

REFINITIV

DELTA REPORT

10-K

VST - VISTRA CORP.

10-K - DECEMBER 31, 2023 COMPARED TO 10-K - DECEMBER 31, 2022

The following comparison report has been automatically generated

TOTAL DELTAS	16671
CHANGES	633
DELETIONS	9487
ADDITIONS	6551

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-K

☒ ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

FOR THE FISCAL YEAR ENDED DECEMBER 31, 2022 2023

— OR —

☐ TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from ___ to ___

Commission File Number 001-38086

Vistra Corp.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

6555 Sierra Drive Irving, Texas 75039

(Address of principal executive offices) (Zip Code)

36-4833255

(I.R.S. Employer Identification No.)

(214) 812-4600

(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Securities registered pursuant to Section 12(b) of the Act:	Title of Each Class	Trading Symbol(s)	Name of Each Exchange on Which Registered
Warrants	Common stock, par value \$0.01 per share	VST	New York Stock Exchange
		VST.WS.A	New York Stock Exchange

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes ☒ No ☐

Indicated by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes ☐ No ☒

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports) and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes ☒ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer ☒ Accelerated filer ☐ Non-accelerated filer ☐ Smaller reporting company ☐ Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report. ☒

If securities are registered pursuant to Section 12(b) of the Act, indicate by check mark whether the financial statements of the registrant included in the filing reflect the correction of an error to previously issued financial statements. ☐

Indicate by check mark whether any of those error corrections are restatements that required a recovery analysis of incentive-based compensation received by any of the registrant's executive officers during the relevant recovery period pursuant to §240.10D-1(b). ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes ☐ No ☒

As of June 30, 2022 June 30, 2023, the aggregate market value of the Vistra Corp. common stock held by non-affiliates of the registrant was \$9,583,092,896 \$9,654,651,880 based on the closing sale price as reported on the New York Stock Exchange.

As Indicate the number of February 23, 2023, there were 381,453,001 shares outstanding of each of the registrant's classes of common stock, par value \$0.01, outstanding as of Vistra Corp. the latest practicable date.

Class	Outstanding as of February 23, 2024
Common stock, par value \$0.01 per share	347,885,110

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the proxy statement for the registrant's 2023 annual meeting Registrant's definitive Proxy Statement relating to its 2024 Annual Meeting of stockholders Stockholders are incorporated by reference in Part III of this annual report on Form 10-K.

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Vistra Corp.'s (Vistra) annual reports, quarterly reports, current reports and any amendments to those reports are made available to the public, free of charge, on the Vistra website at <http://www.vistracorp.com>, as soon as reasonably practicable after they have been filed with or furnished to the Securities and Exchange Commission pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended. Additionally, Vistra posts important information, including press releases, investor presentations, sustainability reports, and notices of upcoming events on its website and utilizes its website as a channel of distribution to reach public investors and as a means of disclosing material non-public information for complying with disclosure obligations under this annual report on Form 10-K and other Securities and Exchange Commission filings of Vistra and its subsidiaries occasionally make references to Vistra (or "we," "our," "us" or "the Company"), Luminant, TXU Energy, Ambit, Value Based Brands, Dynegy Energy Services, Homefield Energy, TriEagle Energy, Public Power or U.S. Gas & Electric, when describing actions, rights or obligations of their respective subsidiaries. These references reflect the fact that the subsidiaries are consolidated with, or otherwise reflected in, the Vistra financial statements for financial reporting purposes. However, these references should not be interpreted to imply that the parent company is actually undertaking the action or has the rights or obligations of the relevant subsidiary company or vice versa. subject to exceptions and qualifications contained in separate disclosure schedules, (iii) represent the parties' risk allocation in the particular transaction, or (iv) be qualified by materiality standards that differ from what may be viewed as material for securities law purposes.

GLOSSARY OF TERMS AND ABBREVIATIONS

When the following terms and abbreviations appear in the text of this report, they have the meanings indicated below.

	Vistra's
	annual
	report on
	Form 10-K
	for the year
	ended
	December
	31, 2021,
	filed with the
	SEC on
	February 25,
	2022 Current

2021 Form 10-K

Ambit	Ambit Holdings, LLC, and/or its subsidiaries (d/b/a Ambit), depending on context
Crius	Crius Energy Trust and/or its subsidiaries, depending on context
Dynegy	Dynegy Inc., and/or its subsidiaries, depending on context
Dynegy Energy Services	Dynegy Energy Services, LLC and Dynegy Energy Services (East), LLC (each d/b/a Dynegy, Better Buy Energy, Brighten Energy, Honor Energy and True Fit Energy), indirect, wholly owned subsidiaries of Vistra, that are REPs in certain areas of MISO and PJM, respectively, and are engaged in the retail sale of electricity to residential and business customers.
Homefield Energy	Illinois Power Marketing Company (d/b/a Homefield Energy), an indirect, wholly owned subsidiary of Vistra, a REP in certain areas of MISO that is engaged in the retail sale of electricity to municipal customers
Luminant	subsidiaries of Vistra engaged in competitive market activities consisting of electricity generation and wholesale energy sales and purchases as well as commodity risk management
Merger Sub	Black Pen Inc., an indirect, wholly owned subsidiary of Vistra
Oncor	Oncor Electric Delivery Company LLC, a direct, majority-owned subsidiary of Oncor Holdings and formerly an indirect subsidiary of EFH Corp., that is engaged in regulated electricity transmission and distribution activities
Parent	Vistra Corp.
Public Power	Public Power, LLC (d/b/a Public Power), an indirect, wholly owned subsidiary of Vistra, a REP in certain areas of PJM, ISO-NE, NYISO and MISO that is engaged in the retail sale of electricity to residential and business customers
TCEH or Predecessor	Texas Competitive Electric Holdings Company LLC, a direct, wholly owned subsidiary of Energy Future Competitive Holdings Company LLC, and, prior to the Effective Date, the parent company of the TCEH Debtors whose major subsidiaries included Luminant and TXU Energy
TriEagle Energy	TriEagle Energy, LP (d/b/a TriEagle Energy, TriEagle Energy Services, Eagle Energy, Energy Rewards, Power House Energy and Viridian Energy), an indirect, wholly owned subsidiary of Vistra, a REP in certain areas of ERCOT and PJM that is engaged in the retail sale of electricity to residential and business customers
TXU Energy	TXU Energy Retail Company LLC (d/b/a TXU), an indirect, wholly owned subsidiary of Vistra that is a REP in competitive areas of ERCOT and is engaged in the retail sale of electricity to residential and business customers
U.S. Gas & Electric	U.S. Gas and Electric, LLC (d/b/a USG&E, Illinois Gas & Electric and ILG&E), an indirect, wholly owned subsidiary of Vistra, a REP in certain areas of PJM, ISO-NE, NYISO and MISO that is engaged in the retail sale of electricity to residential and business customers
Value Based Brands	Value Based Brands LLC (d/b/a 4Change Energy, Express Energy and Veteran Energy), an indirect, wholly owned subsidiary of Vistra that is a REP in competitive areas of ERCOT and is engaged in the retail sale of electricity to residential and business customers
Vistra	Vistra Corp., and/or its subsidiaries, depending on context
Vistra Intermediate	Vistra Intermediate Company LLC, a direct, wholly owned subsidiary of Vistra
Vistra Operations	Vistra Operations Company LLC, an indirect, wholly owned subsidiary of Vistra that is the issuer of certain series of notes (see Note 12 to the Financial Statements) and borrower under the Vistra Operations Credit Facilities
Vistra Zero	subsidiaries of Vistra engaged in the operation and development of renewables and energy storage assets resulting in continued modernization of our generation fleet.
Transmission System Operators:	
CAISO	The California Independent System Operator
ERCOT	Electric Reliability Council of Texas, Inc.
ISO-NE	ISO New England Inc.
MISO	Midcontinent Independent System Operator, Inc.
NYISO	New York Independent System Operator, Inc.

PJM	PJM Interconnection, LLC
Authoritative Organizations:	
CFTC	U.S. Commodity Futures Trading Commission
CPUC	California Public Utilities Commission
EPA	U.S. Environmental Protection Agency
FERC	U.S. Federal Energy Regulatory Commission
FTC	Federal Trade Commission
IEPA	Illinois Environmental Protection Agency
IPCB	Illinois Pollution Control Board
IRS	U.S. Internal Revenue Service
MSHA	U.S. Mine Safety and Health Administration
NERC	North American Electric Reliability Corporation
NRC	U.S. Nuclear Regulatory Commission
PUCT	Public Utility Commission of Texas
RCT	Railroad Commission of Texas, which among other things, has oversight of lignite mining activity in Texas, and has jurisdiction over oil and natural gas exploration and production, permitting and inspecting intrastate pipelines, and overseeing natural gas utility rates and compliance
SEC	U.S. Securities and Exchange Commission
TCEQ	Texas Commission on Environmental Quality
TRE	Texas Reliability Entity, Inc., an independent organization that develops reliability standards for the ERCOT region and monitors and enforces compliance with NERC standards and monitors compliance with ERCOT protocols
Rules and Regulations:	
CAA	Clean Air Act
Exchange Act	Securities Exchange Act of 1934, as amended
IRA	Inflation Reduction Act of 2022
Securities Act	Securities Act of 1933, as amended
General Terms:	
2022 Form 10-K	Vistra's annual report on Form 10-K for the year ended December 31, 2022, filed with the SEC on March 1, 2023
Ambit Transaction	the acquisition of Ambit by an indirect, wholly owned subsidiary of Vistra on November 1, 2019 (Ambit Acquisition Date)
ARO	asset retirement and mining reclamation obligation
CAA	Clean Air Act
CAISO	The California Independent System Operator
CARES Act	Coronavirus Aid, Relief, and Economic Security Act
CCGT	combined cycle natural gas turbine
CCR	coal combustion residuals
CFTC	U.S. Commodity Futures Trading Commission
Chapter 11 Cases	Cases in the U.S. Bankruptcy Court for the District of Delaware (Bankruptcy Court) concerning voluntary petitions for relief under Chapter 11 of the U.S. Bankruptcy Code (Bankruptcy Code) filed on April 29, 2014 (Petition Date) by Energy Future Holdings Corp. (EFH Corp.) and the majority of its direct and indirect subsidiaries, including Energy Future Intermediate Holding Company LLC, Energy Future Competitive Holdings Company LLC and TCEH but excluding Oncor Electric Delivery Holdings Company LLC and its direct and indirect subsidiaries (Debtors). On October 3, 2016 (Effective Date), subsidiaries of TCEH that were Debtors in the Chapter 11 Cases (TCEH Debtors), along with certain other Debtors that became subsidiaries of Vistra on that date (Contributed EFH Debtors), completed their reorganization under the Bankruptcy Code and emerged from the Chapter 11 Cases as subsidiaries of a newly formed company, Vistra (Emergence).
CME	Chicago Mercantile Exchange
CO ₂	carbon dioxide
CPUC	California Public Utilities Commission
Crius	Crius Energy Trust and/or its subsidiaries, depending on context
Crius Transaction	the acquisition of equity interests of two wholly owned subsidiaries of Crius that indirectly owned the operating business of Crius by an indirect, wholly owned subsidiary of Vistra on July 15, 2019 (Crius Acquisition Date)

CT	combustion turbine
Dynegy Merger	the merger of Dynegy Inc., and/or its subsidiaries, depending on context with and into Vistra, with Vistra as the surviving corporation
Dynegy Energy Services Merger Date	Dynegy Energy Services, LLC April 9, 2018, the date Vistra and Dynegy Energy Services (East) completed the transactions contemplated by the Agreement and Plan of Merger, dated as of October 29, 2019, LLC (each d/b/a by and between Vistra and Dynegy Better Buy Energy, Brighten Energy, Honor Energy and True Fit Energy), indirect, wholly owned subsidiaries of Vistra, that are REPs in certain areas of MISO and PJM, respectively, and are engaged in the retail sale of electricity to residential and business customers.
EBITDA	earnings (net income) before interest expense, income taxes, depreciation and amortization
Energy Harbor	Energy Harbor Corp., and/or its subsidiaries, depending on context
ESG	environmental, social and governance
EPA	U.S. Environmental Protection Agency
ERCOT	Electric Reliability Council of Texas, Inc.
ESS	energy storage system
Exchange Act	Securities Exchange Act of 1934, as amended
FERC	U.S. Federal Energy Regulatory Commission
Fitch	Fitch Ratings Inc. (a credit rating agency)
FTC	Federal Trade Commission
GAAP	generally accepted accounting principles
GHG	greenhouse gas
GWh	gigawatt-hours

Green Finance Framework	Framework adopted by the Company and made available on its website pursuant to which the Company may issue financial instruments to fund new or existing projects that support renewable energy and energy efficiency, with alignment to the Company's environmental, social, and governance strategy
Homefield EnergyHeat Rate	Illinois Power Marketing Company (d/b/Heat Rate is a Homefield Energy), an indirect, wholly owned subsidiary measure of Vistra, the efficiency of converting a REP in certain areas of MISO that is engaged in the retail sale of fuel source to electricity to municipal customers
ICE	Intercontinental Exchange
IEPA	Illinois Environmental Protection Agency
IPCB	Illinois Pollution Control Board
IRC	Internal Revenue Code of 1986, as amended
IRS	U.S. Internal Revenue Service
ISO	independent system operator
ISO-NE ITC	ISO New England Inc. investment tax credit
kW	kilowatt
LIBOR	London Interbank Offered Rate, an interest rate at which banks can borrow funds, in marketable size, from other banks in the London interbank market
load	demand for electricity
LTSA	long-term service agreements for plant maintenance
LuminantMarket Heat Rate	subsidiaries of Vistra engaged in competitive market activities consisting of electricity generation and wholesale energy sales and purchases as well as commodity risk management
market heat rate	Market Heat rate is a measure of the efficiency of converting a fuel source to electricity. Market heat rateRate is the implied relationship between wholesale electricity prices and natural gas prices and is calculated by dividing the wholesale market price of electricity, which is based on the price offer of the marginal supplier (generally natural gas plants), by the market price of natural gas.
Merger	the merger of Dynegy with and into Vistra, with Vistra as the surviving corporation
Merger Date	April 9, 2018, the date Vistra and Dynegy completed the transactions contemplated by the Agreement and Plan of Merger, dated as of October 29, 2019, by and between Vistra and Dynegy
MISO	Midcontinent Independent System Operator, Inc.
MMBtu	million British thermal units
Moody's	Moody's Investors Service, Inc. (a credit rating agency)
MSHA	U.S. Mine Safety and Health Administration
MW	megawatts
MWh	megawatt-hours
NELP	Northeast Energy, LP, a joint venture between Dynegy Northeast Generation GP, Inc. and Dynegy Northeast Associates LP, Inc., both indirect subsidiaries of Vistra, and certain subsidiaries of NextEra Energy, Inc. Prior to the NELP Transaction, NELP indirectly owned Bellingham NEA facility and the Sayreville facility.
NELP Transaction	a transaction among Dynegy Northeast Generation GP, Inc., Dynegy Northeast Associates LP, Inc. and certain subsidiaries of NextEra Energy, Inc. wherein the indirect subsidiaries of Vistra redeemed their ownership interest in NELP partnership in exchange for 100% ownership interest in NJEA, the entity which owns the Sayreville facility
NERC	North American Electric Reliability Corporation
NJEA	North Jersey Energy Associates, A Limited Partnership
NOx	nitrogen oxide
NRC	U.S. Nuclear Regulatory Commission
NYISO	New York Independent System Operator, Inc.
NYMEX	the New York Mercantile Exchange, a commodity derivatives exchange
NYSE	New York Stock Exchange

Oncor	Oncor Electric Delivery Company LLC, a direct, majority-owned subsidiary of Oncor Holdings and formerly an indirect subsidiary of EFH Corp., that is engaged in regulated electricity transmission and distribution activities
OPEB	postretirement employee benefits other than pensions
Parent	Vistra Corp.
PJM	PJM Interconnection, LLC
Plan of Reorganization	Third Amended Joint Plan of Reorganization filed by the Debtors in August 2016 and confirmed by the Bankruptcy Court in August 2016 solely with respect to the TCEH Debtors and the Contributed EFH Debtors
PrefCo	Vistra Preferred Inc.
PrefCo Preferred Stock Sale	as part of the Spin-Off, the contribution of certain of the assets of the Predecessor and its subsidiaries by a subsidiary of TEX Energy LLC to PrefCo in exchange for all of PrefCo's authorized preferred stock, consisting of 70,000 shares, par value \$0.01 per share
Public Power	Public Power, LLC (d/b/a Public Power), an indirect, wholly owned subsidiary of Vistra, a REP in certain areas of PJM, ISO-NE, NYISO and MISO that is engaged in the retail sale of electricity to residential and business customers
PUCT	Public Utility Commission of Texas
PURA	Texas Public Utility Regulatory Act
REP	retail electric provider
RCT	Railroad Commission of Texas, which among other things, has oversight of lignite mining activity in Texas, and has jurisdiction over oil and natural gas exploration and production, permitting and inspecting intrastate pipelines, and overseeing natural gas utility rates and compliance
RTO	regional transmission organization
S&P	Standard & Poor's Ratings (a credit rating agency)
SEC	U.S. Securities and Exchange Commission
Securities Act	Securities Act of 1933, as amended
Series A Preferred Stock	Vistra's 8.0% Series A Fixed Rate Reset Cumulative Redeemable Perpetual Preferred Stock, \$0.01 par value, with a liquidation preference of \$1,000 per share
Series B Preferred Stock	Vistra's 7.0% Series B Fixed Rate Reset Cumulative Redeemable Perpetual Preferred Stock, \$0.01 par value, with a liquidation preference of \$1,000 per share
SG&A	selling, general and administrative
SO₂	sulfur dioxide
Spin-Off	the tax-free spin-off from EFH Corp. executed pursuant to the Plan of Reorganization on the Effective Date by the TCEH Debtors and the Contributed EFH Debtors (Spin-Off), the contribution of certain of the assets of the Predecessor and its subsidiaries by a subsidiary of TEX Energy LLC to Vistra Preferred Inc. (PrefCo) in exchange for all of PrefCo's authorized preferred stock, consisting of 70,000 shares, par value \$0.01 per share
PTC	production tax credit
REP	retail electric provider
RTO	regional transmission organization
S&P	Standard & Poor's Ratings (a credit rating agency)
Series A Preferred Stock	Vistra's 8.0% Series A Fixed-Rate Reset Cumulative Redeemable Perpetual Preferred Stock, \$0.01 par value, with a liquidation preference of \$1,000 per share

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Series B Preferred Stock	Vistra's 7.0% Series B Fixed-Rate Reset Cumulative Green Redeemable Perpetual Preferred Stock, \$0.01 par value, with a liquidation preference of \$1,000 per share
Series C Preferred Stock	Vistra's 8.875% Series C Fixed-Rate Reset Cumulative Redeemable Perpetual Preferred Stock, \$0.01 par value, with a liquidation preference of \$1,000 per share
SG&A	selling, general and administrative
SO ₂	sulfur dioxide
SOFR	Secured Overnight Financing Rate, the average rate at which institutions can borrow U.S. dollars overnight while posting U.S. Treasury Bonds as collateral
ST	steam turbine
Tax Matters Agreement	Tax Matters Agreement, dated as of the Effective Date, by and among EFH Corp., Energy Future Intermediate Holding Company LLC, EFIH Finance Inc. and EFH Merger Co. LLC
TCJA	The Tax Cuts and Jobs Act of 2017, federal income tax legislation enacted in December 2017, which significantly changed the tax laws applicable to business entities
TCEH or Predecessor	Texas Competitive Electric Holdings Company LLC, a direct, wholly owned subsidiary of Energy Future Competitive Holdings Company LLC, and, prior to the Effective Date, the parent company of the TCEH Debtors whose major subsidiaries included Luminant and TXU Energy
TCEQ	Texas Commission on Environmental Quality
TRA	Tax Receivable Agreement, containing certain rights (TRA Rights) to receive payments from Vistra related to certain tax benefits, including benefits realized as a result of certain transactions entered into at Emergence (see Note 78 to the Financial Statements)
TRE	Texas Reliability Entity, Inc., an independent organization that develops reliability standards for the ERCOT region and monitors and enforces compliance with NERC standards and monitors compliance with ERCOT protocols
TriEagle Energy	TriEagle Energy, LP (d/b/a TriEagle Energy, TriEagle Energy Services, Eagle Energy, Energy Rewards, Power House Energy and Viridian Energy), an indirect, wholly owned subsidiary of Vistra, a REP in certain areas of ERCOT and PJM that is engaged in the retail sale of electricity to residential and business customers

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TXU Energy	TXU Energy Retail Company LLC (d/b/a TXU), an indirect, wholly owned subsidiary of Vistra that is a REP in competitive areas of ERCOT and is engaged in the retail sale of electricity to residential and business customers
U.S.	United States of America
U.S. Gas & Electric	U.S. Gas and Electric, Inc. (d/b/a USG&E, Illinois Gas & Electric and ILG&E), an indirect, wholly owned subsidiary of Vistra, a REP in certain areas of PJM, ISO-NE, NYISO and MISO that is engaged in the retail sale of electricity to residential and business customers
Value Based Brands	Value Based Brands LLC (d/b/a 4Change Energy, Express Energy and Veteran Energy), an indirect, wholly owned subsidiary of Vistra that is a REP in competitive areas of ERCOT and is engaged in the retail sale of electricity to residential and business customers
Vistra	Vistra Corp., and/or its subsidiaries, depending on context. On the Effective Date, the TCEH Debtors and the Contributed EFH Debtors emerged from Chapter 11 and became subsidiaries of Vistra Energy Corp. Effective July 2, 2020, Vistra Energy Corp. changed its name to Vistra Corp.
Vistra Intermediate	Vistra Intermediate Company LLC, a direct, wholly owned subsidiary of Vistra
Vistra Operations	Vistra Operations Company LLC, an indirect, wholly owned subsidiary of Vistra that is the issuer of certain series of notes (see Note 10 to the Financial Statements) and borrower under the Vistra Operations Credit Facilities
Vistra Operations Commodity-Linked Credit Agreement	Credit agreement, dated as of February 4, 2022 (as amended, restated, amended and restated, supplemented, and/or otherwise modified from time to time) by and among Vistra Operations, Vistra Intermediate, the lenders party thereto, the other credit parties thereto, the administrative agent, the collateral agent, and the other parties named therein
Vistra Operations Credit Agreement	Credit agreement, dated as of October 3, 2016 (as amended, restated, amended and restated, supplemented and/or otherwise modified from time to time), by and among Vistra Operations, Vistra Intermediate, the lenders party thereto, the letter of credit issuers party thereto, the administrative agent, the collateral agent, and the other parties named therein
Vistra Operations Credit Facilities	Vistra Operations senior secured financing facilities (see Note 10 12 to the Financial Statements)
Vistra Zero	Vistra Zero LLC

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FORWARD-LOOKING STATEMENTS

This annual report on Form 10-K contains forward-looking statements that involve risk and uncertainties. All statements, other than statements of historical facts, that are included in this report, or made in presentations, in response to questions or otherwise, that address activities, events or developments that may occur in the future, including (without limitation) such matters as activities related to our financial or operational projections, capital allocation, capital expenditures, liquidity, dividend policy, business strategy, competitive strengths, goals, future acquisitions or dispositions, development or operation of power generation assets, market and industry developments and the growth of our businesses and operations (often, but not always, through the use of words or phrases such as "intends," "plans," "potential," "will likely," "unlikely," "believe," "expect," "anticipate," "estimate," "should," "could," "may," "projection," "forecast," "target," "goal," "objective" and "outlook"), are forward-looking statements. Although we believe that in making any such forward-looking statement our expectations are based on reasonable assumptions, any such forward-looking statement involves uncertainties and risks and is qualified in its entirety by reference to the discussion under Item 1A. *Risk Factors* and Item 7. *Management's Discussion and Analysis of Financial Condition, and Results of Operations* in this annual report on Form 10-K and the following important factors, among others, that could cause our actual results to differ materially from those projected in or implied by such forward-looking statements:

- our ability to consummate the acquisition of Energy Harbor, and if consummated, our ability to achieve synergies and forecasted operational results;
- the actions and decisions of judicial and regulatory authorities;
- prevailing applicable federal, state and local governmental policies and regulatory actions, including those of the legislatures and other government actions of states in which we operate, the U.S. Congress, the FERC, the NERC, the TRE, the public utility commissions of states and locales in which we operate, CAISO, ERCOT, ISO-NE, MISO, NYISO, PJM, the RCT, the NRC, the EPA, the environmental regulatory bodies of states in which we operate, the MSHA and the CFTC;
- expectations regarding, or impacts of, environmental matters, including costs of compliance, availability and adequacy of emission credits, and the impact of ongoing proceedings and potential regulations or changes to current regulations;
- legal and administrative proceedings and settlements;
- general industry trends;
- economic conditions, including the impact of any inflationary period, recession or economic downturn;
- investor sentiment relating to climate change and utilization of fossil fuels in connection with power generation;
- the severity, magnitude and duration of extreme weather events, drought and limitations on access to water, and other weather conditions and natural phenomena, contingencies and uncertainties relating thereto;
- acts of sabotage, geopolitical conflicts, wars, or terrorist, cybersecurity, cybercriminal, or cyber-espionage threats or activities;
- risk of contract performance claims by us or our counterparties, and risks of, or costs associated with, pursuing or defending such claims;
- our ability to collect trade receivables from counterparties in the amount or at the time expected, if at all;
- our ability to attract, retain and profitably serve customers;
- restrictions on or prohibitions of competitive retail pricing or direct-selling businesses;
- adverse publicity associated with our retail products or direct selling businesses, including our ability to address the marketplace and regulators regarding our compliance with applicable laws;
- changes in wholesale electricity prices or energy commodity prices, including the price of natural gas;
- sufficiency of, access to, and costs associated with coal, fuel oil, natural gas, and uranium inventories and transportation and storage thereof;
- changes in the ability of counterparties and suppliers to provide or deliver commodities, materials, or services as needed;
- beliefs and assumptions about the benefits of state- or federal-based subsidies to our market competition, and the corresponding impacts on us, including if such subsidies are disproportionately available to our competitors;
- the effects of, or changes to, market design and the power, ancillary services and capacity procurement processes in the markets in which we operate;
- changes in Market Heat Rates in the CAISO, ERCOT, ISO-NE, MISO, NYISO and PJM electricity markets;
- our ability to effectively hedge against unfavorable commodity prices, including the price of natural gas, market heat rates and interest rates;
- changes in market supply or demand and demographic patterns;
- our ability to mitigate forced outage risk, including managing risk associated with Capacity Performance in PJM and performance incentives in ISO-NE;
- efforts to identify opportunities to reduce congestion and improve busbar power prices;

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- access to adequate transmission facilities to meet changing demands;
 - changes in interest rates, commodity prices, rates of inflation or foreign exchange rates;
 - changes in operating expenses, liquidity needs and capital expenditures;
 - access to capital, the attractiveness of the cost and other terms of such capital and the success of financing and refinancing efforts, including availability of funds in capital markets;
 - our ability to maintain prudent financial leverage and achieve our capital allocation, performance, and cost-saving initiatives and objectives;
 - our ability to generate sufficient cash flow to make principal and interest payments in respect of, or refinance, our debt obligations;

- our expectation that we will continue to pay (i) a consistent aggregate cash dividend amount to common stockholders on a quarterly basis and (ii) the applicable semiannual cash dividend to the Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock stockholders, respectively;
- our expectation that we will continue to make share repurchases under, and the possibility that we may fail to realize the anticipated benefits of, our share repurchase program, and the possibility that the program may be suspended, discontinued or not completed prior to its termination;
- our ability to implement and successfully execute upon our strategic and growth initiatives, including the completion and integration of mergers, acquisitions and/or joint venture activity, the identification and completion of sales and divestitures activity, and the completion and commercialization of our other business development and construction projects;
- competition for new energy development and other business opportunities;
- counterparties' collateral demands and other factors affecting our liquidity position and financial condition;
- changes in technology (including large-scale electricity storage) used by and services offered by us;
- changes in electricity transmission that allow additional power generation to compete with our generation assets;
- our ability to attract and retain qualified employees;
- significant changes in our relationship with our employees, including the availability of qualified personnel, and the potential adverse effects if labor disputes or grievances were to occur or changes in laws or regulations relating to independent contractor status;
- changes in assumptions used to estimate costs of providing employee benefits, including medical and dental benefits, pension and OPEB, and future funding requirements related thereto, including joint and several liability exposure under ERISA;
- hazards customary to the industry and the possibility that we may not have adequate insurance to cover losses resulting from such hazards;
- our ability to effectively and efficiently plan, prepare for and execute expected asset retirements and reclamation obligations and the impacts thereof, and
- actions by credit rating agencies.

Any forward-looking statement speaks only at the date on which it is made, and except as may be required by law, we undertake no obligation to update any forward-looking statement to reflect events or circumstances after the date on which it is made or to reflect the occurrence of unanticipated events or circumstances. New factors emerge from time to time, and it is not possible for us to predict them. In addition, we may be unable to assess the impact of any such event or condition or the extent to which any such event or condition, or combination of events or conditions, may cause results to differ materially from those contained in or implied by any forward-looking statement. As such, you should not unduly rely on such forward-looking statements.

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INDUSTRY AND MARKET INFORMATION

Certain industry and market data and other statistical information used throughout this report are based on independent industry publications, government publications, reports by market research firms or other published independent sources, including certain data published by CAISO, ERCOT, ISO-NE, MISO, NYISO, PJM, the environmental regulatory bodies of states in which we operate and NYMEX. We did not commission any of these publications, reports or other sources. Some data is also based on good faith estimates, which are derived from our review of internal surveys, as well as the independent sources listed above. Industry publications, reports and other sources generally state that they have obtained information from sources believed to be reliable, but do not guarantee the accuracy and completeness of such information. While we believe that each of these studies, publications, reports and other sources is reliable, we have not independently investigated or verified the information contained or referred to therein and make no representation as to the accuracy or completeness of such information. Forecasts are particularly likely to be inaccurate, especially over long periods of time, and we do not know what assumptions were used in preparing such forecasts. Statements regarding industry and market data and other statistical information used throughout this report involve risks and uncertainties and are subject to change based on various factors.

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PART I

Item 1. BUSINESS

References in this report to "we," "our," "us" and "the Company" are to Vistra and/or its subsidiaries, as apparent in the context. See *Glossary of Terms and Abbreviations* for defined terms.

Business General

Vistra is a holding company operating an integrated retail electricity and electric power generation business primarily in markets throughout the U.S. Through our subsidiaries, we are engaged in competitive energy market activities including electricity generation, wholesale energy sales and purchases, commodity risk management and company. We combine an innovative, customer-centric approach to retail sales of with safe, reliable, diverse, and efficient power generation. Our integrated power generation and wholesale operation allows us to efficiently obtain the electricity needed to serve our customers at the lowest cost. The integrated model enables us to structure products and natural

gas contracts in a way that offers significant value compared to end users. We incorporated under Delaware law in 2016. Effective July 2, 2020, we changed our name from Vistra Energy Corp. to Vistra Corp. to distinguish from companies that are involved in exploring for, producing, refining, or transporting fossil fuels (many of which use "energy" in their names) and to better reflect our integrated business model, which combines a stand-alone retail electricity and natural gas business focused on serving electric providers.

The Company brings its customers with new and innovative products and services and an electric power generation business leading the clean power transition through our Vistra Zero portfolio while powering the communities we serve with safe, reliable and affordable power.

We serve approximately 3.5 million customers and operate to market in 20 states and the District of Columbia. Columbia, including all major competitive wholesale power markets in the U.S. We serve approximately 4 million residential, commercial, and industrial retail customers with electricity and natural gas. Our generation fleet totals approximately 37,000 MW megawatts of generation capacity with powered by a diverse portfolio, of including natural gas, nuclear, coal, solar, and battery energy storage facilities. Vistra is guided by four core principles: we do business the right way, we work as a team, we compete to win, and we care about our stakeholders, including our customers, our communities where we work and live, our employees, and our investors.

Market Discussion

The operations of Vistra, has as an integrated retail electricity and power generation company, are further aligned into six reportable business segments: (i) Retail, (ii) Texas, (iii) East, (iv) West, (v) Sunset and (vi) Asset Closure. See *Market Discussion* below Our Texas, East, West and Sunset segments include our electricity generation operations, and our Asset Closure segment is engaged in the decommissioning and reclamation of retired plants and mines.

Retail Operations

Vistra is one of the largest competitive residential retail electricity providers in the U.S. Our Retail operations are engaged in retail sales of electricity, natural gas and related services to approximately 4 million customers. Substantially all of our retail activities are conducted by TXU Energy, Ambit Energy, Dynegy Energy Services, Homefield Energy, and U.S. Gas & Electric across 19 U.S. states and the District of Columbia.

Our TXU Energy brand, which has been used to sell electricity to customers in the competitive retail electricity market in Texas for approximately 20 years, is registered and protected by trademark law and is the only material intellectual property asset that we own. We have also acquired the trade names for Ambit Energy, Dynegy Energy Services, Homefield Energy, TriEagle Energy, Public Power and U.S. Gas & Electric through the Ambit Transaction, Cirus Transaction and the Dynegy Merger, as the case may be. As of December 31, 2023, we have reflected intangible assets on our balance sheet for our trade names of approximately \$1.341 billion (see Note 19.6 to the Financial Statements Statements).

The largest portion of our retail operations are in Texas, where we provide retail electricity to approximately 2.5 million customers. We believe that we have differentiated ourselves by providing a distinctive customer experience predicated on delivering reliable and innovative power products and solutions to our customers, which give our customers choice, convenience and control over how and when they use electricity and related services. Our retail business also offers a comprehensive suite of green products and services, including 100% wind and solar options, as well as thermostats, dashboards and other programs designed to encourage reduced consumption and increased energy efficiency.

Electricity Generation Operations

Vistra is the largest competitive power generator in the U.S. as measured by MWh. At December 31, 2023, our generating capacity was powered by the following:

Primary Fuel	Technology	Net Capacity (MW)	% of Net Capacity
Natural Gas	CCGT, CT or ST	24,313	66%
Coal	ST	8,428	23%
Nuclear	Nuclear	2,400	7%
Renewable	Solar/Battery	1,358	4%
Fuel Oil	CT	203	—%
Total		36,702	100%

Our natural gas-fueled generation fleet is comprised of 23 CCGT generation facilities totaling 19,512 MW and 11 peaking generation facilities totaling 4,801 MW. We satisfy our fuel requirements at these facilities through a combination of spot market and near-term purchase contracts. Additionally, we have near-term natural gas transportation agreements and natural gas storage agreements in place to ensure reliable fuel supply.

Our coal/lignite-fueled generation fleet is comprised of seven generation facilities totaling 8,428 MW of generation capacity. Maintenance outages at these units are scheduled during the spring or fall off-peak demand periods. We meet our fuel requirements at our coal-fueled generation facilities in PJM and MISO with coal purchased from multiple suppliers under contracts of various lengths and transported to the facilities by either railcar or barges. We meet our fuel requirements in ERCOT using lignite that we mine at the Oak Grove generation facility and coal purchased and transported by railcar at the Coletto Creek and Martin Lake generation facilities.

We own and operate two nuclear generation units at the Comanche Peak plant site in ERCOT, each of which is designed for a capacity of 1,200 MW. Comanche Peak Unit 1 and Unit 2 went into commercial operation in 1990 and 1993, respectively, and are generally operated at full capacity. Refueling (nuclear fuel assembly replacement) outages for each unit are scheduled to occur every eighteen months during the spring or fall off-peak demand periods. Every three years, the refueling cycle results in the refueling of both units during the same year, which occurred in 2023. While one unit is undergoing a refueling outage, the remaining unit is intended to operate at full capacity. During a refueling outage,

other maintenance, modification and testing activities are completed that cannot be accomplished when the unit is in operation. The Comanche Peak facility operated at a capacity factor of 90%, 94% and 96% in 2023, 2022 and 2021, respectively.

We have contracts in place for all of Comanche Peak's 2024 through 2027 nuclear fuel requirements. We do not anticipate any significant difficulties in acquiring uranium and contracting for associated conversion, enrichment and fabrication services in the foreseeable future, but we are closely monitoring developments that may arise out of the Russia and Ukraine conflict. See Item 7. *Management's Discussion and Analysis of Financial Condition, and Results of Operations – Significant Activities and Events, and Items Influencing Future Performance— Macroeconomic Conditions*.

Our generation operations by segment are represented in the following table:

Segment	Net Capacity (MW)	% of Net Capacity	ISO/RTO
Texas	18,151	49%	ERCOT
East	12,093	33%	PJM, ISO-NE and NYISO
West	1,880	5%	CAISO
Sunset	4,578	13%	MISO, PJM and ERCOT
Total	36,702	100%	

Independent System Operators (ISOs) and Regional Transmission Organizations (RTOs) — Separate from our operations, ISOs/RTOs administer the transmission infrastructure and markets across a regional footprint in most of the markets in which we operate. They are responsible for dispatching all generation facilities in their respective footprints and are responsible for both maximum utilization and reliable and efficient operation of the transmission system. ISOs/RTOs administer energy and ancillary service markets in the short term, which usually consists of day-ahead and real-time markets. Several ISOs/RTOs also ensure long-term planning reserves through monthly, semiannual, annual and multi-year capacity markets. The ISOs/RTOs that oversee most of the wholesale power markets in which we operate currently impose, and will likely continue to impose, bid and price limits or other similar mechanisms. NERC regions and ISOs/RTOs often have different geographic footprints, and while there may be geographic overlap between NERC regions and ISOs/RTOs, their respective roles and responsibilities do not generally overlap.

In ISO/RTO regions with centrally dispatched market structures (e.g., ERCOT, PJM, ISO-NE, NYISO, MISO, and CAISO), all generators selling into the centralized market receive the same price for energy sold based on the bid price associated with the production of the last MWh that is needed to balance supply with demand within a designated zone or at a given location. Different zones or locations within the same ISO/RTO may produce different prices respective to other zones or locations within the same ISO/RTO due to transmission losses and congestion. For example, a less efficient and/or less economical natural gas-fueled unit may be needed in some hours to meet demand. If this unit's production is required to meet demand on the margin, its offer price will set the market clearing price for all dispatched generation in the same market (although the price paid at other zones or locations may vary because of transmission losses and congestion), regardless of the price that any other unit may have offered into the market. Generators will receive the location-based marginal price for their output.

ERCOT — ERCOT is an ISO that manages the flow of electricity from approximately 98,000 MW of expected Summer 2023 peak generation capacity to approximately 26 million Texas customers, representing approximately 90% of the state's electric load.

As an energy-only market, ERCOT's market design is distinct from other competitive electricity markets in the U.S. Other markets maintain a minimum planning reserve margin through regulated planning, resource adequacy requirements and/or capacity markets. In contrast, ERCOT's resource adequacy is currently predominately dependent on energy-market price signals. The PUCT has voted to recommend a Performance Credit Mechanism (PCM) that would align a required reliability standard with resource availability during higher-risk system conditions in a centrally-cleared market. These changes are currently being evaluated by the PUCT and ERCOT and have not been implemented as of the date hereof. In 2014, ERCOT implemented the Operating Reserve Demand Curve (ORDC), pursuant to which wholesale electricity prices in the real-time electricity market increase automatically as available operating reserves decrease below defined threshold levels, creating a price adder. The slope of the ORDC curve is determined through a mathematical loss of load probability calculation using forecasted reserves and historical data. In both March 2019 and March 2020, ERCOT implemented 0.25 standard deviation shifts in the loss of load probability calculation and moved to using a single blended ORDC curve; these changes resulted in a more rapid escalation in power prices as operating reserves fall below defined thresholds. Effective January 1, 2022, when operating reserves drop to 3,000 MW or less, the ORDC automatically adjusts power prices to \$5,000/MWh which is equal to the high system-wide offer cap. ERCOT also calculates the "peaker net margin" based on revenues a hypothetical unhedged peaking unit would collect in the market. If the peaker net margin exceeds a certain threshold, the system-wide offer cap is reduced to the low system-wide offer cap of \$2,000/MWh for the remainder of the calendar year. In December 2023, the PUCT also approved an Emergency Pricing Program that temporarily lowers the system-wide offer cap to \$2,000/MWh if prices have been at the cap for 12 hours in a rolling 24-hour period. Historically, high demand due to elevated temperatures in the summer months or high demand due to reduced temperatures in the winter months, combined with underperformance of wind generation, has created the conditions during which the ORDC contributes meaningfully to power prices. Extreme weather conditions can also lead to scarcity conditions regardless of season. Other than during periods of "scarcity pricing," the price of power is typically set by natural gas-fueled generation facilities (see Item 7. *Management's Discussion and Analysis of Financial Condition, and Results of Operations – Significant Activities and Events, and Items Influencing Future Performance*).

Transactions in ERCOT take place in two key markets: the day-ahead market and the real-time market. The day-ahead market is a voluntary, financial electricity market conducted the day before each operating day in which generators and purchasers of electricity may bid for one or more hours of electricity supply or consumption. The real-time market is a physical market in which electricity is dispatched and priced in five-minute intervals. The day-ahead market provides market participants with visibility into where prices are expected to clear, and the prices are not impacted by subsequent events. Conversely, the real-time market exposes purchasers to the risk of transient operational events and

price spikes. These two markets allow market participants to manage their risk profile by adjusting their participation in each market. In addition, ERCOT uses ancillary services to maintain system reliability, including regulation service, responsive reserve service and non-spinning reserve service. Ancillary services are provided by generators and qualified loads to help maintain the stable voltage and frequency requirements of the transmission system. ERCOT currently procures ancillary services in the day-ahead market, but plans to implement co-optimization of energy and ancillary services in the real-time market in 2026. Because ERCOT has one of the highest concentrations of wind and solar capacity generation among U.S. markets, the ERCOT market is more susceptible to fluctuations in wholesale electricity supply due to intermittent wind and solar production, making ERCOT more vulnerable to periods of generation scarcity. Beginning in July 2021, ERCOT has increased its ancillary service procurement volumes to maintain a more conservative level of operating reserves. ERCOT implemented the ERCOT Contingency Reserve Service (ECRS) in June 2023 to further address the need for operating reserves to manage load and intermittent resource output uncertainty. The Texas legislature has also directed the creation of a new ancillary service, Dispatchable Reliability Reserve Service, that is currently projected to be implemented in 2026.

PJM — PJM is an RTO that manages the flow of electricity from approximately 183,000 MW of generation capacity to approximately 65 million customers in all or parts of Delaware, Illinois, Indiana, Kentucky, Maryland, Michigan, New Jersey, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia and the District of Columbia.

Like ERCOT, PJM administers markets for wholesale electricity and provides transmission planning for the region, utilizing a locational marginal pricing (LMP) methodology which calculates a price for every generator and load point within PJM. PJM operates day-ahead and real-time markets into which generators can bid to provide energy and ancillary services. PJM also administers a forward capacity auction, the Reliability Pricing Model (RPM), which establishes a long-term market for capacity. We have participated in RPM auctions for years up to and including PJM's planning year 2024-2025, which ends May 31, 2025. PJM's RPM auction for planning year 2025-2026 was delayed and is expected to be run in June 2024. We also enter into bilateral capacity transactions. PJM's Capacity Performance (CP) rules were designed to improve system reliability and include penalties for under-performing units and reward for over-performing units during shortage events. Full transition of the capacity market to CP rules occurred in planning year 2020-2021. An independent market monitor continually monitors PJM markets to ensure a robust, competitive market and to identify improper behavior by any entity.

ISO-NE — ISO-NE is an ISO that manages the flow of electricity from approximately 32,400 MW of winter generation capacity to approximately 15 million customers in the states of Vermont, New Hampshire, Massachusetts, Connecticut, Rhode Island and Maine.

ISO-NE dispatches power plants to meet system energy and reliability needs and settles physical power deliveries at LMPs. Its energy markets allow market participants to buy and sell energy and ancillary services at prices established through real-time and day-ahead auctions. Energy prices vary among the locations in ISO-NE and are largely influenced by transmission constraints and fuel supply. ISO-NE offers the Forward Capacity Market where capacity prices are determined through auctions. Performance incentive rules have the potential to increase capacity payments for those resources that are providing excess energy or reserves during a shortage event, while penalizing those that produce less than the required level.

NYISO — NYISO is an ISO that manages the flow of electricity from approximately 37,000 MW of installed summer generation capacity to approximately 20 million New York customers.

NYISO dispatches power plants to meet system energy and reliability needs and settles physical power deliveries at LMPs. Its energy markets allow market participants to buy and sell energy and ancillary services at prices established through real-time and day-ahead auctions. Energy prices vary among the regional zones and locations in the NYISO and are largely influenced by transmission constraints and fuel supply. NYISO offers the Installed Capacity Market, a forward capacity market where capacity prices are determined through auctions. Strip auctions occur one to two months prior to the commencement of a six-month seasonal planning period. Subsequent auctions provide an opportunity to sell excess capacity for the balance of the seasonal planning period or the upcoming month. Due to the short-term nature of the NYISO-operated capacity auctions and a relatively liquid bilateral market for NYISO capacity products, our Independence facility sells a significant portion of its capacity through bilateral transactions. The balance is cleared through the seasonal and monthly capacity auctions.

CAISO — CAISO is an ISO that manages the flow of electricity to approximately 32 million customers primarily in California, representing approximately 80% percent of the state's electric load.

Energy is priced in CAISO utilizing an LMP methodology. The capacity market is comprised of Generic, Flexible and Local Resource Adequacy (RA) Capacity and is administered by the California Public Utilities Commission (CPUC). Unlike other centrally cleared capacity markets, the resource adequacy markets in California are primarily bilaterally traded markets. In 2020, the CPUC introduced a central procurement entity for Local RA Capacity effective for the 2023 compliance year. The central procurement entity runs a pay-as-bid auction for Local RA Capacity. In November 2016, CAISO implemented a voluntary capacity auction for annual, monthly, and intra-month procurement to cover for deficiencies in the market. The voluntary Competitive Solicitation Process, which FERC approved in October 2015, is a modification to the Capacity Procurement Mechanism (CPM) and provides another avenue to sell RA capacity.

MISO — MISO is an RTO that manages the flow of electricity from approximately 190,000 MW of installed generation capacity to approximately 45 million customers in all or parts of Iowa, Minnesota, North Dakota, Wisconsin, Michigan, Kentucky, Indiana, Illinois, Missouri, Arkansas, Mississippi, Texas, Louisiana, Montana, South Dakota and Manitoba, Canada.

MISO dispatches power plants to meet system energy and reliability needs and settles physical power deliveries at LMPs. Its energy markets allow market participants to buy and sell energy and ancillary services at prices established through real-time and day-ahead auctions. Energy prices vary among the regional zones and locations in MISO and are largely influenced by transmission constraints and fuel supply. An independent market monitor is responsible for evaluating the performance of the markets and identifying conduct by market participants or MISO that may compromise the efficiency or distort the outcome of the markets.

MISO administers a one-year Planning Resource Auction for the next planning year from June 1st of the current year to May 31st of the following year. In 2022, FERC approved MISO's proposal to change the annual Planning Resource Auction into a seasonal auction, effective for the 2023-2024 planning year. We participate in these auctions with

open capacity that has not been committed through bilateral or retail transactions. We also participate in the MISO annual and monthly financial transmission rights auctions to manage the cost of our transmission congestion, as measured by the congestion component of the LMP price differential between two points on the transmission grid across the market area.

Wholesale Operations — Our wholesale commodity risk management group is responsible for dispatching our generation fleet in response to market needs after implementing portfolio optimization strategies, thus linking and integrating the generation fleet production with our retail customer and wholesale sales opportunities. Market demand, also known as load, faced by electric power systems, such as those we operate in, varies from moment to moment as a result of changes in business and residential demand, which is often driven by weather. Unlike most other commodities, the production and consumption of electricity must remain balanced on an instantaneous basis. There is a certain baseline demand for electricity across an electric power system that occurs throughout the day, which is typically satisfied by baseload generation units with low variable operating costs. Baseload generation units can also increase output to satisfy certain incremental demand and reduce output when demand is unusually low. Intermediate/load-following generation units, which can more efficiently change their output to satisfy increases in demand, typically satisfy a large proportion of changes in intraday load as they respond to daily increases in demand or unexpected changes in supply created by reduced generation from renewable resources or other generator outages. Peak daily loads may be satisfied by peaking units. Peaking units are typically the most expensive to operate, but they can quickly start up and shut down to meet brief peaks in demand. In general, baseload units, intermediate/load following units and peaking units are dispatched into the ISO/RTO grid in order from lowest to highest variable cost. Price formation is typically based on the highest variable cost unit that clears the market to satisfy system demand at a given point in time.

Our commodity risk management group also enters into electricity, natural gas and other commodity derivative contracts to reduce exposure to changes in prices primarily to mitigate the volatility of future revenues and fuel costs for our generation facilities and purchased power costs for our Retail segment.

Seasonality

The demand for and market prices of electricity and natural gas are affected by weather. As a result, our operating results are impacted by extreme or sustained weather conditions and may fluctuate on a seasonal basis. Typically, demand for and the price of electricity is higher in the summer and winter seasons, when the temperatures are more extreme, and the demand for and price of natural gas is also generally higher in the winter. More severe weather conditions such as heat waves or extreme winter weather have made, and may make, such fluctuations more pronounced. The pattern of this fluctuation may change depending on, among other things, the retail load served and the terms of contracts to purchase or sell electricity.

Competition

Competition in the markets in which we operate is impacted by electricity and fuel prices, congestion along the power grid, subsidies provided by state and federal governments for new and existing generation facilities, including renewables generation and battery ESS, new market entrants, construction of new generation assets, technological advances in power generation, the actions of environmental and other regulatory authorities, and other factors. We primarily compete with other electricity generators and retailers based on our ability to generate electric supply, market and sell electricity at competitive prices and to efficiently utilize transportation from third-party pipelines and transmission from electric utilities to deliver electricity to end-users. Competitors in the generation and retail power markets in which we participate include numerous regulated utilities, industrial companies, non-utility generators, competitive subsidiaries of regulated utilities, independent power producers, REPs and other energy marketers. See Item 1A. *Risk Factors* for additional information concerning [our reportable segments](#), the risks faced with respect to the markets in which we operate.

Business Strategy Market Discussion

The operations of Vistra, as an integrated retail electricity and power generation company, are further aligned into six reportable business segments: (i) Retail, (ii) Texas, (iii) East, (iv) West, (v) Sunset and (vi) Asset Closure. Our Texas, East, West and Sunset segments include our electricity generation operations, and our Asset Closure segment is engaged in the decommissioning and reclamation of retired plants and mines.

Retail Operations

Vistra is a leader one of the largest competitive residential retail electricity providers in the clean power transition. With a strong zero-carbon generation portfolio and a deliberate and responsible strategy to decarbonize, the company is focused on delivering healthy returns and value for all stakeholders. U.S. Our business strategy is focused on the following areas:

- **Growth and transformation.** Vistra's strategy is to responsibly and reliably grow our businesses through economically attractive investments, including Retail operations are engaged in retail business sales of electricity, natural gas and renewable, energy storage and other assets that assist in reducing our carbon footprint and create a more sustainable and resilient company well positioned related services to generate long-term value for approximately 4 million customers. Substantially all of our stakeholders. Since 2010, Vistra has retired more than 14,500 MW of coal and gas power plants resulting in a 45% reduction in carbon dioxide (CO₂) emissions, a 61% reduction in nitrogen oxide (NO_x) emissions, and a 81% reduction in sulfur dioxide (SO₂) emissions through year-end 2022, compared to a 2010 baseline. Now, we retail activities are transforming our generation portfolio through investments in zero-carbon resources and new carbon-reducing technologies, targeting net-zero carbon emissions conducted by 2050. Additionally, we have announced the retirement of approximately 5,000 MW of coal-fueled power plants by 2027, with plans to repurpose feasible sites to solar and energy storage developments. Repurposed sites provide a strategic advantage in the development of greener power due to the interconnection infrastructure already available, but additionally, and importantly, they allow us to continue supporting the local communities and our employees in those areas. We believe our diversified asset

mix will support the reliability of the electric system while providing customers with cost-effective energy that meets their sustainable preferences throughout the clean power transition. Our growth strategy leverages our core capabilities of multi-channel retail marketing in large and competitive markets, operating large-scale, environmentally sensitive, and diverse assets across a variety of fuel technologies, fuel logistics and management, commodity risk management, cost control, and energy infrastructure investing. To advance our sustainability and energy transition initiatives, in December 2021, we adopted our Green Finance Framework, pursuant to which we issued \$1.0 billion of Series B Preferred Stock to finance or refinance, in whole or in part, new or existing eligible green projects. We intend to opportunistically evaluate the acquisition and development of high-quality generation and storage assets and power-related businesses, including retail businesses and renewable, energy storage and other assets, that complement our core capabilities and align with our operational, financial and sustainability goals. We pride ourselves on our deliberate and responsible approach to grow and transform, considering impacts on all stakeholders. We make disciplined investments that are consistent with our focus on maintaining both a strong balance sheet and strong liquidity profile and our commitment to ensuring grid reliability, affordable power, and pursuit of a just transition away from carbon-emitting generation assets for the communities in which we operate and serve. As a result, consistent with our disciplined capital allocation approval process, we endeavor to pursue growth opportunities that have compelling economic value and align with or enhance our purpose and core principles.

- **Disciplined capital allocation.** Vista takes a disciplined approach to capital allocation in support of our commitment to maintain a strong balance sheet. We thoughtfully make capital allocation decisions that we believe will lead to attractive cash returns on investment, including returning capital to our stockholders through quarterly dividends and our share repurchase program as reflected in our current plans to return up to \$7.75 billion in capital to common shareholders from November 2021 through 2026. In addition to our dedicated approach to returning value to all stakeholders, we invest prudently in the maintenance of our existing assets and potential growth acquisitions. A strong balance sheet ensures Vista's interest expense is manageable in a variety of wholesale power price environments while giving Vista access to flexible and diverse sources of liquidity needed to operate its business and make prudent capital investment decisions. We believe in cost discipline and strong commercial management of our assets and commodity positions to deliver long-term value to our stakeholders, to maintain the safety and reliability of our facilities, all while accelerating growth in our Vista Zero portfolio pipeline with cost-efficient capital and investment in new technologies when economic, including solar assets and ESS projects, resulting in a continued modernization of Vista's generation fleet.
- **Integrated business model.** Our integrated business model is an important component of our business strategy. This element of our business provides long-term sustainable solutions enabled by our diversified portfolio. This key factor distinguishes us from our electricity competitors by pairing our reliable and efficient mining, diversified generation fleet and wholesale commodity risk management capabilities with our retail platform. Coupling retail with generation is a core competitive advantage that reduces the effects of commodity price movements and contributes to the stability and predictability of our cash flows, a crucial feature of the strategy as Vista responsibly grows its renewables portfolio and winds down its coal-fueled assets.
- **Superior customer service.** Through our retail brands, including TXU Energy, Ambit Energy, Value Based Brands, Dynegy Energy Services, Homefield Energy, and U.S. Gas & Electric across 19 U.S. states and the District of Columbia.

Our TXU Energy brand, which has been used to sell electricity to customers in the competitive retail electricity market in Texas for approximately 20 years, is registered and protected by trademark law and is the only material intellectual property asset that we own. We have also acquired the trade names for Ambit Energy, Dynegy Energy Services, Homefield Energy, TriEagle Energy, Public Power and U.S. Gas & Electric through the Ambit Transaction, Cirus Transaction and the Dynegy Merger, as the case may be. As of December 31, 2023, we serve have reflected intangible assets on our balance sheet for our trade names of approximately \$1.341 billion (see Note 6 to the Financial Statements).

The largest portion of our retail operations are in Texas, where we provide retail electricity and natural gas needs of end-use residential, small business and commercial and industrial electricity customers through multiple sales and marketing channels. In addition to benefitting from our integrated business model, approximately 2.5 million customers. We believe that we leverage our brands, our commitment to safe, have differentiated ourselves by providing a distinctive customer experience predicated on delivering reliable and affordable product offerings, our wholesale commodity risk management operations and our strong customer service to differentiate our innovative power products and solutions from our competitors. We strive to be at the forefront of innovation with new environmentally-conscious and sustainable-focused product offerings and customer experiences to reinforce our value proposition. We maintain a focus on solutions that provide our customers, with which give our customers choice, convenience and control over how and when they use electricity and related services. Our retail business also offers a comprehensive suite of green products and services, including TXU Energy's Free Nights 100% wind and Solar DaysSM residential plans, TXU Energy's Free EV MilesSM residential plans, MyEnergy DashboardsSM solar options, as well as thermostats, dashboards and other programs designed to encourage reduced consumption and increased energy efficiency.

Electricity Generation Operations

Vista is the largest competitive power generator in the U.S. as measured by MWh. At December 31, 2023, our generating capacity was powered by the TXU Energy Green UpSM renewable energy credit program following:

Primary Fuel	Technology	Net Capacity (MW)	% of Net Capacity
Natural Gas	CCGT, CT or ST	24,313	66%
Coal	ST	8,428	23%
Nuclear	Nuclear	2,400	7%
Renewable	Solar/Battery	1,358	4%
Fuel Oil	CT	203	—%

Total	36,702	100%
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Our natural gas-fueled generation fleet is comprised of 23 CCGT generation facilities totaling 19,512 MW and 11 peaking generation facilities totaling 4,801 MW. We satisfy our fuel requirements at these facilities through a diverse set combination of solar options, spot market and near-term purchase contracts. Additionally, we have near-term natural gas transportation agreements and natural gas storage agreements in place to ensure reliable fuel supply.

Our focus on superior customer service guides coal/lignite-fueled generation fleet is comprised of seven generation facilities totaling 8,428 MW of generation capacity. Maintenance outages at these units are scheduled during the spring or fall off-peak demand periods. We meet our efforts fuel requirements at our coal-fueled generation facilities in PJM and MISO with coal purchased from multiple suppliers under contracts of various lengths and transported to the facilities by either railcar or barges. We meet our fuel requirements in ERCOT using lignite that we mine at the Oak Grove generation facility and coal purchased and transported by railcar at the Coletto Creek and Martin Lake generation facilities.

We own and operate two nuclear generation units at the Comanche Peak plant site in ERCOT, each of which is designed for a capacity of 1,200 MW. Comanche Peak Unit 1 and Unit 2 went into commercial operation in 1990 and 1993, respectively, and are generally operated at full capacity. Refueling (nuclear fuel assembly replacement) outages for each unit are scheduled to occur every eighteen months during the spring or fall off-peak demand periods. Every three years, the refueling cycle results in the refueling of both units during the same year, which occurred in 2023. While one unit is undergoing a refueling outage, the remaining unit is intended to operate at full capacity. During a refueling outage, other maintenance, modification and testing activities are completed that cannot be accomplished when the unit is in operation. The Comanche Peak facility operated at a capacity factor of 90%, 94% and 96% in 2023, 2022 and 2021, respectively.

We have contracts in place for all of Comanche Peak's 2024 through 2027 nuclear fuel requirements. We do not anticipate any significant difficulties in acquiring new residential uranium and commercial customers, serving contracting for associated conversion, enrichment and retaining existing customers, fabrication services in the foreseeable future, but we are closely monitoring developments that may arise out of the Russia and maintaining valuable sales channels for our electricity generation resources. We believe our dependable customer service, innovative products Ukraine conflict. See Item 7. Management's Discussion and trusted brands will result in high residential customer retention rates, particularly in Texas where our TXU Energy brand has maintained its residential customers in a highly competitive retail market. Analysis of Financial Condition, and Results of Operations – Significant Activities and Events, and Items Influencing Future Performance– Macroeconomic Conditions.

Our generation operations by segment are represented in the following table:

Segment	Net Capacity (MW)	% of Net Capacity	ISO/RTO
Texas	18,151	49%	ERCOT
East	12,093	33%	PJM, ISO-NE and NYISO
West	1,880	5%	CAISO
Sunset	4,578	13%	MISO, PJM and ERCOT
Total	36,702	100%	

▪ **Independent System Operators (ISOs) and Regional Transmission Organizations (RTOs) Excellence** — Separate from our operations, ISOs/RTOs administer the transmission infrastructure and markets across a regional footprint in operations while maintaining an efficient cost structure. We believe delivering long-term stakeholder value is increased as a result most of making disciplined investments that enable our the markets in which we operate. They are responsible for dispatching all generation facilities to operate not only effectively in their respective footprints and efficiently, but also safely, reliably are responsible for both maximum utilization and in an environmentally compliant manner as we lead reliable and efficient operation of the transmission system. ISOs/RTOs administer energy and ancillary service markets in the clean power transition short term, which usually consists of day-ahead and real-time markets. Several ISOs/RTOs also ensure long-term planning reserves through the acceleration of our renewables portfolio. We believe monthly, semiannual, annual and multi-year capacity markets. The ISOs/RTOs that an ongoing focus on operational excellence and safety is a key component to success in a highly competitive environment and is part oversee most of the unique value proposition of our integrated model. Additionally, we are committed to optimizing our cost structure, reducing our debt levels, and implementing enterprise-wide process and operating improvements without compromising the safety of our communities, customers and employees. We believe we have a highly effective and efficient cost structure and that our cost structure supports excellence in our operations and is instrumental in our long-term value proposition.

▪ **Integrated hedging and commercial management.** Our commercial team is focused on effectively and efficiently managing risk, through opportunistic hedging, and optimizing our assets and business positions. We proactively manage our exposure to wholesale electricity prices and fuel costs in power markets in which we operate currently impose, and will likely continue to impose, bid and price limits or other similar mechanisms. NERC regions and ISOs/RTOs often have different geographic footprints, and while there may be geographic overlap between NERC regions and ISOs/RTOs, their respective roles and responsibilities do not generally overlap.

In ISO/RTO regions with centrally dispatched market structures (e.g., ERCOT, PJM, ISO-NE, NYISO, MISO, and CAISO), all generators selling into the centralized market receive the same price for energy sold based on the bid price associated with the production of the last MWh that is needed to balance supply with demand within a designated zone or at a given location. Different zones or locations within the same ISO/RTO may produce different prices respective to other zones or locations within the same ISO/RTO due to transmission losses and congestion. For example, a less efficient and/or less economical natural gas-fueled unit may be needed in some hours to meet demand. If this unit's production is required to meet demand on the margin, its offer price will set the market clearing price for all dispatched generation in the same market (although the price paid at other zones or locations may vary because of transmission losses and congestion), regardless of the price that any other unit may have offered into the market. Generators will receive the location-based marginal price for their output.

ERCOT — ERCOT is an integrated basis, through contracts for physical delivery ISO that manages the flow of electricity exchange-traded and over-the-counter financial contracts, term, day-ahead and real-time market transactions, and bilateral contracts with other wholesale market participants, including other power generators and end-user electricity customers. We actively hedge near-term cash flows and optimize long-term value through hedging and forward sales contracts. We believe our integrated hedging and commercial management strategy, in combination with a strong balance sheet and attractive liquidity profile, will provide long-term advantages through cycles from approximately 98,000 MW of higher and lower commodity prices, expected Summer 2023 peak generation capacity to approximately 26 million Texas customers, representing approximately 90% of the state's electric load.

▪ **Corporate responsibility and ESG initiatives.** As an energy-only market, ERCOT's market design is our purpose to light up people's lives and power a better way forward. We strive to be a good corporate citizen by investing distinct from other competitive electricity markets in our employees, putting customers and suppliers first, and improving communities where we live, work and serve as we accelerate toward a clean energy future. Vistra and its employees are actively engaged in programs intended to support our customers and strengthen the communities in which we conduct operations. Our foremost giving initiatives are through the United Way, TXU Energy Aid and Ambit Cares campaigns. TXU Energy Aid serves as an integral resource for social service agencies that assist those in need across Texas pay their electricity bills. Ambit Cares partners with Feeding America® to assist those in need across the U.S. Other markets maintain a minimum planning reserve margin through regulated planning, resource adequacy requirements and/or capacity markets. In contrast, ERCOT's resource adequacy is currently predominately dependent on energy-market price signals. The PUCT has voted to recommend a Performance Credit Mechanism (PCM) that would align a required reliability standard with resource availability during higher-risk system conditions in a centrally-cleared market. These changes are currently being evaluated by fighting hunger the PUCT and ERCOT and have not been implemented as of the date hereof. In 2014, ERCOT implemented the Operating Reserve Demand Curve (ORDC), pursuant to which wholesale electricity prices in the real-time electricity market increase automatically as available operating reserves decrease below defined threshold levels, creating a price adder. The slope of the ORDC curve is determined through a network mathematical loss of food banks. Beyond load probability calculation using forecasted reserves and historical data. In both March 2019 and March 2020, ERCOT implemented 0.25 standard deviation shifts in the loss of load probability calculation and moved to using a single blended ORDC curve; these giving initiatives, Vistra endeavors to consider ESG and all of its stakeholders — customers, suppliers, local communities, employees, contractors, investors and the environment, among others — into our material decisions, processes and activities. The Board has ultimate oversight of our ESG initiatives. We know that prioritizing our stakeholders leads to higher customer satisfaction, more community involvement and support, and committed employees and suppliers, which changes resulted in turn, leads to a more sustainable company. Our ESG initiatives complement our business strategy and strengthen our resiliency. For instance, our investment rapid escalation in and growth power prices as operating reserves fall below defined thresholds. Effective January 1, 2022, when operating reserves drop to 3,000 MW or less, the ORDC automatically adjusts power prices to \$5,000/MWh which is equal to the high system-wide offer cap. ERCOT also calculates the "peaker net margin" based on revenues a hypothetical unhedged peaking unit would collect in the market. If the peaker net margin exceeds a certain threshold, the system-wide offer cap is reduced to the low system-wide offer cap of Vistra Zero supports our long-term goal \$2,000/MWh for the remainder of the calendar year. In December 2023, the PUCT also approved an Emergency Pricing Program that temporarily lowers the system-wide offer cap to achieve net-zero carbon emissions by 2050. We stay informed of evolving ESG standards and remain committed to provide specific and measurable ESG goals and initiatives \$2,000/MWh if prices have been at the cap for 12 hours in a transparent manner, rolling 24-hour period. Historically, high demand due to elevated temperatures in the summer months or high demand due to reduced temperatures in the winter months, combined with underperformance of wind generation, has created the conditions during which the ORDC contributes meaningfully to power prices. Extreme weather conditions can also lead to scarcity conditions regardless of season. Other than during periods of "scarcity pricing," the price of power is typically set by natural gas-fueled generation facilities (see Item 7. *Management's Discussion and Analysis of Financial Condition, and Results of Operations – Significant Activities and Events, and Items Influencing Future Performance*).

Recent Developments Transactions in ERCOT take place in two key markets: the day-ahead market and the real-time market. The day-ahead market is a voluntary, financial electricity market conducted the day before each operating day in which generators and purchasers of electricity may bid for one or more hours of electricity supply or consumption. The real-time market is a physical market in which electricity is dispatched and priced in five-minute intervals. The day-ahead market provides market participants with visibility into where prices are expected to clear, and the prices are not impacted by subsequent events. Conversely, the real-time market exposes purchasers to the risk of transient operational events and price spikes. These two markets allow market participants to manage their risk profile by adjusting their participation in each market. In addition, ERCOT uses ancillary services to maintain system reliability, including regulation service, responsive reserve service and non-spinning reserve service. Ancillary services are provided by generators and qualified loads to help maintain the stable voltage and frequency requirements of the transmission system. ERCOT currently procures ancillary services in the day-ahead market, but plans to implement co-optimization of energy and ancillary services in the real-time market in 2026. Because ERCOT has one of the highest concentrations of wind and solar capacity generation among U.S. markets, the ERCOT market is more susceptible to fluctuations in wholesale electricity supply due to intermittent wind and solar production, making ERCOT more vulnerable to periods of generation scarcity. Beginning in July 2021, ERCOT has increased its ancillary service procurement volumes to maintain a more conservative level of operating reserves. ERCOT implemented the ERCOT Contingency Reserve Service (ECRS) in June 2023 to further address the need for operating reserves to manage load and intermittent resource output uncertainty. The Texas legislature has also directed the creation of a new ancillary service, Dispatchable Reliability Reserve Service, that is currently projected to be implemented in 2026.

Dividend Declarations PJM — In February 2023, PJM is an RTO that manages the Board declared flow of electricity from approximately 183,000 MW of generation capacity to approximately 65 million customers in all or parts of Delaware, Illinois, Indiana, Kentucky, Maryland, Michigan, New Jersey, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia and the District of Columbia.

Like ERCOT, PJM administers markets for wholesale electricity and provides transmission planning for the region, utilizing a quarterly dividend locational marginal pricing (LMP) methodology which calculates a price for every generator and load point within PJM. PJM operates day-ahead and real-time markets into which generators can bid to provide energy and ancillary services. PJM also administers a forward capacity auction, the Reliability Pricing Model (RPM), which establishes a long-term market for capacity. We have participated in RPM auctions for years up to and including PJM's planning year 2024-2025, which ends May 31, 2025. PJM's RPM auction for planning year 2025-2026 was delayed and is expected to be run in June 2024. We also enter into bilateral capacity transactions. PJM's Capacity Performance (CP) rules were designed to improve system reliability and include penalties for under-performing units and reward for over-performing units during shortage events. Full transition of \$0.1975 per share the capacity market to CP rules occurred in planning year 2020-2021. An independent market monitor continually monitors PJM markets to ensure a robust, competitive market and to identify improper behavior by any entity.

ISO-NE — ISO-NE is an ISO that manages the flow of **common stock** electricity from approximately 32,400 MW of winter generation capacity to approximately 15 million customers in the states of Vermont, New Hampshire, Massachusetts, Connecticut, Rhode Island and Maine.

ISO-NE dispatches power plants to meet system energy and reliability needs and settles physical power deliveries at LMPs. Its energy markets allow market participants to buy and sell energy and ancillary services at prices established through real-time and day-ahead auctions. Energy prices vary among the locations in ISO-NE and are largely influenced by transmission constraints and fuel supply. ISO-NE offers the Forward Capacity Market where capacity prices are determined through auctions. Performance incentive rules have the potential to increase capacity payments for those resources that **will be paid** are providing excess energy or reserves during a shortage event, while penalizing those that produce less than the required level.

NYISO — NYISO is an ISO that manages the flow of electricity from approximately 37,000 MW of installed summer generation capacity to approximately 20 million New York customers.

NYISO dispatches power plants to meet system energy and reliability needs and settles physical power deliveries at LMPs. Its energy markets allow market participants to buy and sell energy and ancillary services at prices established through real-time and day-ahead auctions. Energy prices vary among the regional zones and locations in **March 2023** the NYISO and are largely influenced by transmission constraints and fuel supply. NYISO offers the Installed Capacity Market, a forward capacity market where capacity prices are determined through auctions. Strip auctions occur one to two months prior to the commencement of a six-month seasonal planning period. Subsequent auctions provide an opportunity to sell excess capacity for the balance of the seasonal planning period or the upcoming month. Due to the short-term nature of the NYISO-operated capacity auctions and a **semi-annual dividend** relatively liquid bilateral market for NYISO capacity products, our Independence facility sells a significant portion of **\$40.00 per share** its capacity through bilateral transactions. The balance is cleared through the seasonal and monthly capacity auctions.

CAISO — CAISO is an ISO that manages the flow of **Series A Preferred Stock that will be paid** electricity to approximately 32 million customers primarily in **April 2023**. California, representing approximately 80% percent of the state's electric load.

Energy is priced in CAISO utilizing an LMP methodology. The capacity market is comprised of Generic, Flexible and Local Resource Adequacy (RA) Capacity and is administered by the California Public Utilities Commission (CPUC). Unlike other centrally cleared capacity markets, the resource adequacy markets in California are primarily bilaterally traded markets. In 2020, the CPUC introduced a central procurement entity for Local RA Capacity effective for the 2023 compliance year. The central procurement entity runs a pay-as-bid auction for Local RA Capacity. In November 2016, CAISO implemented a voluntary capacity auction for annual, monthly, and intra-month procurement to cover for deficiencies in the market. The voluntary Competitive Solicitation Process, which FERC approved in October 2015, is a modification to the Capacity Procurement Mechanism (CPM) and provides another avenue to sell RA capacity.

MISO — MISO is an RTO that manages the flow of electricity from approximately 190,000 MW of installed generation capacity to approximately 45 million customers in all or parts of Iowa, Minnesota, North Dakota, Wisconsin, Michigan, Kentucky, Indiana, Illinois, Missouri, Arkansas, Mississippi, Texas, Louisiana, Montana, South Dakota and Manitoba, Canada.

MISO dispatches power plants to meet system energy and reliability needs and settles physical power deliveries at LMPs. Its energy markets allow market participants to buy and sell energy and ancillary services at prices established through real-time and day-ahead auctions. Energy prices vary among the regional zones and locations in MISO and are largely influenced by transmission constraints and fuel supply. An independent market monitor is responsible for evaluating the performance of the markets and identifying conduct by market participants or MISO that may compromise the efficiency or distort the outcome of the markets.

MISO administers a one-year Planning Resource Auction for the next planning year from June 1st of the current year to May 31st of the following year. In 2022, FERC approved MISO's proposal to change the annual Planning Resource Auction into a seasonal auction, effective for the 2023-2024 planning year. We participate in these auctions with open capacity that has not been committed through bilateral or retail transactions. We also participate in the MISO annual and monthly financial transmission rights auctions to manage the cost of our transmission congestion, as measured by the congestion component of the LMP price differential between two points on the transmission grid across the market area.

Wholesale Operations — Our wholesale commodity risk management group is responsible for dispatching our generation fleet in response to market needs after implementing portfolio optimization strategies, thus linking and integrating the generation fleet production with our retail customer and wholesale sales opportunities. Market demand, also known as load, faced by electric power systems, such as those we operate in, varies from moment to moment as a result of changes in business and residential demand, which is often driven by weather. Unlike most other commodities, the production and consumption of electricity must remain balanced on an instantaneous basis. There is a certain baseline demand for electricity across an electric power system that occurs throughout the day, which is typically satisfied by baseload generation units with low variable operating costs. Baseload generation units can also increase output to satisfy certain incremental demand and reduce output when demand is unusually low. Intermediate/load-following generation units, which can more efficiently change their output to satisfy increases in demand, typically satisfy a large proportion of changes in intraday load as they respond to daily increases in demand or unexpected changes in supply created by reduced generation from renewable resources or other generator outages. Peak daily loads may be satisfied by peaking units. Peaking units are typically the most expensive to operate, but they can quickly start up and shut down to meet brief peaks in demand. In general, baseload units, intermediate/load following units and peaking units are dispatched into the ISO/RTO grid in order from lowest to highest variable cost. Price formation is typically based on the highest variable cost unit that clears the market to satisfy system demand at a given point in time.

Our commodity risk management group also enters into electricity, natural gas and other commodity derivative contracts to reduce exposure to changes in prices primarily to mitigate the volatility of future revenues and fuel costs for our generation facilities and purchased power costs for our Retail segment.

Seasonality

The demand for and market prices of electricity and natural gas are affected by weather. As a result, our operating results are impacted by extreme or sustained weather conditions and may fluctuate on a seasonal basis. Typically, demand for and the price of electricity is higher in the summer and winter seasons, when the temperatures are more extreme, and the demand for and price of natural gas is also generally higher in the winter. More severe weather conditions such as heat waves or extreme winter weather have made, and may make, such fluctuations more pronounced. The pattern of this fluctuation may change depending on, among other things, the retail load served and the terms of contracts to purchase or sell electricity.

Competition

Competition in the markets in which we operate is impacted by electricity and fuel prices, congestion along the power grid, subsidies provided by state and federal governments for new and existing generation facilities, including renewables generation and battery ESS, new market entrants, construction of new generation assets, technological advances in power generation, the actions of environmental and other regulatory authorities, and other factors. We primarily compete with other electricity generators and retailers based on our ability to generate electric supply, market and sell electricity at competitive prices and to efficiently utilize transportation from third-party pipelines and transmission from electric utilities to deliver electricity to end-users. Competitors in the generation and retail power markets in which we participate include numerous regulated utilities, industrial companies, non-utility generators, competitive subsidiaries of regulated utilities, independent power producers, REPs and other energy marketers. See Item 1A. *Risk Factors* for additional information concerning the risks faced with respect to the markets in which we operate.

Market Discussion

The operations of Vistra, as an integrated retail electricity and power generation company, are further aligned into six reportable business segments: (i) Retail, (ii) Texas, (iii) East, (iv) West, (v) Sunset and (vi) Asset Closure. The following is a summary of Our Texas, East, West and Sunset segments include our segments:

- The Retail segment represents Vistra's retail sales of electricity and natural gas to residential, small business and commercial and industrial customers.
- The Texas segment represents Vistra's electricity generation operations, in the ERCOT market, other than assets that are now part of the Sunset or Asset Closure segments, respectively.
- The East segment represents Vistra's electricity generation operations in the Eastern Interconnection of the U.S. electric grid, other than assets that are now part of the Sunset or Asset Closure segments, respectively, and includes operations in the PJM, ISO-NE and NYISO markets.
- The West segment represents Vistra's electricity generation operations in the CAISO market, including our development of battery ESS projects at our Moss Landing power plant site (see Note 2 to the Financial Statements).
- The Sunset segment represents generation plants with announced retirement dates after December 31, 2022. Separately reporting the Sunset segment differentiates operating plants with announced retirement plans from our other operating plants in the Texas, East and West segments.
- The Asset Closure segment is engaged in the decommissioning and reclamation of retired plants and mines. The Asset Closure segment also includes results from generation plants we retired

Retail Operations

Vistra is one of the largest competitive residential retail electricity providers in the U.S. Our Retail operations are engaged in retail sales of electricity, natural gas and related services to approximately 4 million customers. Substantially all of our retail activities are conducted by TXU Energy, Ambit Energy, Dynegy Energy Services, Homefield Energy, and U.S. Gas & Electric across 19 U.S. states and the District of Columbia.

Our TXU Energy brand, which has been used to sell electricity to customers in the competitive retail electricity market in Texas for approximately 20 years, is registered and protected by trademark law and is the only material intellectual property asset that we own. We have also acquired the trade names for Ambit Energy, Dynegy Energy Services, Homefield Energy, TriEagle Energy, Public Power and U.S. Gas & Electric through the Ambit Transaction, Cirus Transaction and the Dynegy Merger, as the case may be. As of December 31, 2023, we have reflected intangible assets on our balance sheet for our trade names of approximately \$1.341 billion (see Note 6 to the Financial Statements).

The largest portion of our retail operations are in Texas, where we provide retail electricity to approximately 2.5 million customers. We believe that we have differentiated ourselves by providing a distinctive customer experience predicated on delivering reliable and innovative power products and solutions to our customers, which give our customers choice, convenience and control over how and when they use electricity and related services. Our retail business also offers a comprehensive suite of green products and services, including 100% wind and solar options, as well as thermostats, dashboards and other programs designed to encourage reduced consumption and increased energy efficiency.

Electricity Generation Operations

Vistra is the largest competitive power generator in the U.S. as measured by MWh. At December 31, 2023, our generating capacity was powered by the following:

Primary Fuel	Technology	Net Capacity (MW)	% of Net Capacity
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Total		36,702	100%

Our natural gas-fueled generation fleet is comprised of 23 CCGT generation facilities totaling 19,512 MW and 11 peaking generation facilities totaling 4,801 MW. We satisfy our fuel requirements at these facilities through a combination of spot market and near-term purchase contracts. Additionally, we have near-term natural gas transportation agreements and natural gas storage agreements in place to ensure reliable fuel supply.

Our coal/lignite-fueled generation fleet is comprised of seven generation facilities totaling 8,428 MW of generation capacity. Maintenance outages at these units are scheduled during the spring or fall off-peak demand periods. We meet our fuel requirements at our coal-fueled generation facilities in PJM and MISO with coal purchased from multiple suppliers under contracts of various lengths and transported to the facilities by either railcar or barges. We meet our fuel requirements in ERCOT using lignite that we mine at the Oak Grove generation facility and coal purchased and transported by railcar at the Coletto Creek and Martin Lake generation facilities.

We own and operate two nuclear generation units at the Comanche Peak plant site in ERCOT, each of which is designed for a capacity of 1,200 MW. Comanche Peak Unit 1 and Unit 2 went into commercial operation in 1990 and 1993, respectively, and are generally operated at full capacity. Refueling (nuclear fuel assembly replacement) outages for each unit are scheduled to occur every eighteen months during the spring or fall off-peak demand periods. Every three years, the refueling cycle results in the refueling of both units during the same year, ended December 31, 2022 which occurred in 2023. While one unit is undergoing a refueling outage, the remaining unit is intended to operate at full capacity. During a refueling outage, other maintenance, modification and testing activities are completed that cannot be accomplished when the unit is in operation. The Comanche Peak facility operated at a capacity factor of 90%, 94% and 96% in 2023, 2022 and 2021, respectively.

We have contracts in place for all of Comanche Peak's 2024 through 2027 nuclear fuel requirements. We do not anticipate any significant difficulties in acquiring uranium and contracting for associated conversion, enrichment and fabrication services in the foreseeable future, but we are closely monitoring developments that may arise out of the Russia and Ukraine conflict. See Item 7. *Management's Discussion and Analysis of Financial Condition, and Results of Operations – Significant Activities and Events, and Items Influencing Future Performance—Macroeconomic Conditions*.

See Note 19 to Our generation operations by segment are represented in the Financial Statements for further information concerning reportable segments. following table:

Segment	Net Capacity (MW)	% of Net Capacity	ISO/RTO
Texas	18,151	49%	ERCOT
East	12,093	33%	PJM, ISO-NE and NYISO
West	1,880	5%	CAISO
Sunset	4,578	13%	MISO, PJM and ERCOT
Total	36,702	100%	

Independent System Operators (ISOs) and Regional Transmission Organizations (RTOs)

Separately, — Separate from our operations. ISOs/RTOs administer the transmission infrastructure and markets across a regional footprint in most of the markets in which we operate. They are responsible for dispatching all generation facilities in their respective footprints and are responsible for both maximum utilization and reliable and efficient operation of the transmission system. ISOs/RTOs administer energy and ancillary service markets in the short term, which usually consists of day-ahead and real-time markets. Several ISOs/RTOs also ensure long-term planning reserves through monthly, semiannual, annual and multi-year capacity markets. The ISOs/RTOs that oversee most of the wholesale power markets in which we operate currently impose, and will likely continue to impose, bid and price limits or other similar mechanisms. NERC regions and ISOs/RTOs often have different geographic footprints, and while there may be geographic overlap between NERC regions and ISOs/RTOs, their respective roles and responsibilities do not generally overlap.

In ISO/RTO regions with centrally dispatched market structures (e.g., ERCOT, PJM, ISO-NE, NYISO, MISO, and CAISO), all generators selling into the centralized market receive the same price for energy sold based on the bid price associated with the production of the last MWh that is needed to balance supply with demand within a designated zone or at a given location. Different zones or locations within the same ISO/RTO may produce different prices respective to other zones or locations within the same ISO/RTO due to transmission losses and congestion. For example, a less efficient and/or less economical natural gas-fueled unit may be needed in some hours to meet demand. If this unit's production is required to meet demand on the margin, its offer price will set the market clearing price for all dispatched generation in the same market (although the price paid at other zones or locations may vary because of transmission losses and congestion), regardless of the price that any other unit may have offered into the market. Generators will receive the location-based marginal price for their output.

Retail Segment

The Retail segment is engaged in retail sales of electricity, natural gas and related services to approximately 3.5 million customers. Substantially all of these activities are conducted by TXU Energy, Ambit Energy, Value Based Brands, Dynegy Energy Services, Homefield Energy, TriEagle Energy, Public Power and U.S. Gas & Electric across 19 U.S. states and the District of Columbia.

The largest portion of our retail operations are in Texas, where we provide retail electricity to approximately 2.4 million customers in ERCOT. We are an active participant in the competitive ERCOT retail market and continue to be a market leader, which we believe is driven by, among other things, strong brands, innovative products and services and excellent customer service. As of December 31, 2022, we provided electricity to approximately 30% of the residential customers in ERCOT and for approximately 16% of business customers' demand. We believe that we have differentiated ourselves by providing a distinctive customer experience predicated on delivering reliable and innovative power products and solutions to our customers, which give our customers choice, convenience and control over how and when they use electricity and related services. Our retail business also offers a comprehensive suite of green products and services, including 100% wind and solar options, as well as thermostats, dashboards and other programs designed to encourage reduced consumption and increased energy efficiency.

Our integrated power generation and wholesale operation allows us to efficiently obtain the electricity needed to serve our customers at the lowest cost. The integrated model enables us to structure products and contracts in a way that offers significant value compared to stand-alone retail electric providers. Additionally, our wholesale commodity risk management operations help increase the profitability of our retail business by allowing us to bypass bid-ask spread in the market (particularly for illiquid products and time periods) and achieve lower collateral costs as compared to other, non-integrated retail electric providers. Moreover, our retail business can reduce, to some extent, the exposure of our wholesale generation business to wholesale power price volatility. This is because the retail load requirements of our retail operations can provide a natural offtake to the length of Luminant's generation portfolio when economic, thereby reducing the exposure to wholesale power price volatility as compared to a non-integrated independent power producer.

Outside of ERCOT, we also serve residential, municipal, commercial and industrial customers substantially through our Homefield Energy, Dynegy Energy Services, Public Power, U.S. Gas & Electric and Ambit Energy retail businesses, through which we provide retail electricity, natural gas and related services to approximately 1.1 million customers in 18 states and the District of Columbia.

Texas Segment

Our Texas segment is comprised of 21 power generation facilities totaling 18,141 MW of generation capacity in ERCOT.

ISO/RTO	Technology	Primary Fuel	Number of Facilities	Net Capacity (MW)
ERCOT	CCGT	Natural Gas	7	7,838
ERCOT	ST	Coal	2	3,850
ERCOT	CT or ST	Natural Gas	7	3,455
ERCOT	Nuclear	Nuclear	1	2,400
ERCOT	Solar/Battery	Renewable	4	598
Total Texas Segment			21	18,141

We have announced the potential for additional development of solar photovoltaic power generation facilities and battery ESS in Texas, with estimated commercial operation dates for these facilities beginning in 2024. See Note 2 to the Financial Statements for a summary of our solar and battery energy storage projects.

ERCOT — ERCOT is an ISO that manages the flow of electricity from approximately 98,000 MW of expected Summer 2023 peak generation capacity to approximately 26 million Texas customers, representing approximately 90% of the state's electric load.

As an energy-only market, ERCOT's market design is distinct from other competitive electricity markets in the U.S. Other markets maintain a minimum planning reserve margin through regulated planning, resource adequacy requirements and/or capacity markets. In contrast, ERCOT's resource adequacy is currently predominately dependent on energy-market price signals. The PUCT recently has voted to recommend a Performance Credit Mechanism (PCM) that would align a required reliability standard with resource availability during higher-risk system conditions in a centrally-cleared market. These changes are currently being evaluated by the PUCT and the Texas legislature ERCOT and have not been implemented as of the date hereof. In 2014, ERCOT implemented the Operating Reserve Demand Curve (ORDC), pursuant to which wholesale electricity prices in the real-time electricity market increase automatically as available operating reserves decrease below defined threshold levels, creating a price adder. The slope of the ORDC curve is determined through a mathematical loss of load probability calculation using forecasted reserves and historical data. In both March 2019 and March 2020, ERCOT implemented 0.25 standard deviation shifts in the loss of load probability calculation and moved to using a single blended ORDC curve; these changes resulted in a more rapid escalation in power prices as operating reserves fall below defined thresholds. Effective January 1, 2022, when operating reserves drop to 3,000 MW or less, the ORDC automatically adjusts power prices to the established value of lost load (VOLL), which is set at \$5,000/MWh which is equal to the high system-wide offer cap. ERCOT also calculates the "peaker net margin" based on revenues a hypothetical unhedged peaking unit would collect in the market. If the peaker net margin exceeds a certain threshold, the system-wide offer cap is reduced to the low system-wide offer cap of \$2,000/MWh for the remainder of the calendar year. In December 2023, the PUCT also approved an Emergency Pricing Program that temporarily lowers the system-wide offer cap to \$2,000/MWh if prices have been at the cap for 12 hours in a rolling 24-hour period. Historically, high demand due to elevated temperatures in the summer months or high demand due to reduced temperatures in the winter months, combined with underperformance of wind generation, has created the conditions during which the ORDC contributes meaningfully to power prices. Extreme weather conditions can also lead to scarcity conditions regardless of season. Other than during periods of "scarcity pricing," the price of power is typically set by natural gas-fueled generation facilities (see Item 7. Management's Discussion and Analysis of Financial Condition, and Results of Operations – Key Operational Risks Significant Activities and Challenges Events, and Items Influencing Future Performance).

Transactions in ERCOT take place in two key markets: the day-ahead market and the real-time market. The day-ahead market is a voluntary, financial electricity market conducted the day before each operating day in which generators and purchasers of electricity may bid for one or more hours of electricity supply or consumption. The real-time market is a physical market in which electricity is dispatched and priced in five-minute intervals. The day-ahead market provides market participants with visibility into where prices are expected to clear, and the prices are not impacted by subsequent events. Conversely, the real-time market exposes purchasers to the risk of transient operational events and price spikes. These two markets allow market participants to manage their risk profile by adjusting their participation in each market. In addition, ERCOT uses ancillary services to maintain system reliability, including regulation service, responsive reserve service and non-spinning reserve service. Ancillary services are provided by generators and qualified loads to help maintain the stable voltage and frequency requirements of the transmission system. **ERCOT currently procures ancillary services in the day-ahead market, but plans to implement co-optimization of energy and ancillary services in the real-time market in 2026.** Because ERCOT has one of the highest concentrations of wind and solar capacity generation among U.S. markets, the ERCOT market is more susceptible to fluctuations in wholesale electricity supply due to intermittent wind and solar production, making ERCOT more vulnerable to periods of generation scarcity. Beginning in July 2021, ERCOT has increased its ancillary service procurement volumes to maintain a more conservative level of operating reserves. **ERCOT implemented the ERCOT Contingency Reserve Service (ECRS) in June 2023 to further address the need for operating reserves to manage load and intermittent resource output uncertainty. The Texas legislature has also directed the creation of a new ancillary service, Dispatchable Reliability Reserve Service, that is currently projected to be implemented in 2026.**

East Segment

Our East segment is comprised of 21 power generation facilities in 10 states totaling 12,093 MW of generating capacity in PJM, ISO-NE and NYISO.

ISO/RTO	Technology	Primary Fuel	Number of Facilities	Net Capacity (MW)
PJM	CCGT	Natural Gas	8	6,081
PJM	CT	Natural Gas	4	1,346
PJM	CT	Fuel Oil	2	93
ISO-NE	CCGT	Natural Gas	6	3,361
NYISO	CCGT	Natural Gas	1	1,212
Total East Segment			21	12,093

We plan to develop up to 300 MW of solar photovoltaic power generation facilities and up to 150 MW of battery ESS at retired or to-be-retired plant sites in Illinois with estimated commercial operation dates for these facilities ranging from 2024 to 2025. See Note 2 to the Financial Statements for a summary of our solar and battery energy storage projects.

PJM — PJM is an RTO that manages the flow of electricity from approximately **185,000 183,000** MW of generation capacity to approximately 65 million customers in all or parts of Delaware, Illinois, Indiana, Kentucky, Maryland, Michigan, New Jersey, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, West Virginia and the District of Columbia.

Like ERCOT, PJM administers markets for wholesale electricity and provides transmission planning for the region, utilizing a locational marginal pricing (LMP) methodology which calculates a price for every generator and load point within PJM. PJM operates day-ahead and real-time markets into which generators can bid to provide energy and ancillary services. PJM also administers a forward capacity auction, the Reliability Pricing Model (RPM), which establishes a long-term market for capacity. We have participated in RPM auctions for years up to and including PJM's planning year 2024-2025, which ends May 31, 2025. **PJM's RPM auction for planning year 2025-2026 was delayed and is expected to be run in June 2024.** We also enter into bilateral capacity transactions. PJM's Capacity Performance (CP) rules were designed to improve system reliability and include penalties for under-performing units and reward for over-performing units during shortage events. Full transition of the capacity market to CP rules occurred in planning year 2020-2021. An independent market monitor continually monitors PJM markets to ensure a robust, competitive market and to identify improper behavior by any entity.

ISO-NE — ISO-NE is an ISO that manages the flow of electricity from approximately **32,600 32,400** MW of winter generation capacity to approximately 15 million customers in the states of Vermont, New Hampshire, Massachusetts, Connecticut, Rhode Island and Maine.

ISO-NE dispatches power plants to meet system energy and reliability needs and settles physical power deliveries at LMPs. Its energy markets allow market participants to buy and sell energy and ancillary services at prices established through real-time and day-ahead auctions. Energy prices vary among the locations in ISO-NE and are largely influenced by transmission constraints and fuel supply. ISO-NE offers **a forward capacity market the Forward Capacity Market** where capacity prices are determined through auctions. Performance incentive rules have the potential to increase capacity payments for those resources that are providing excess energy or reserves during a shortage event, while penalizing those that produce less than the required level.

NYISO — NYISO is an ISO that manages the flow of electricity from approximately **37,500 37,000** MW of installed summer generation capacity to approximately 20 million New York customers.

NYISO dispatches power plants to meet system energy and reliability needs and settles physical power deliveries at LMPs. Its energy markets allow market participants to buy and sell energy and ancillary services at prices established through real-time and day-ahead auctions. Energy prices vary among the regional zones and locations in the NYISO and are largely influenced by transmission constraints and fuel supply. NYISO offers **the Installed Capacity Market**, a forward capacity market where capacity prices are determined through auctions. Strip auctions occur one to two months prior to the commencement of a six-month seasonal planning period. Subsequent auctions provide an opportunity to sell excess capacity for the balance of the seasonal planning period or the upcoming month. Due to the short-term nature of the NYISO-operated capacity auctions and a relatively liquid bilateral market for NYISO capacity products, our Independence facility sells a significant portion of its capacity through bilateral transactions. The balance is cleared through the seasonal and monthly capacity auctions.

West Segment

Our West segment is comprised of two power generation facilities totaling 1,130 MW of generation capacity and the first two phases of a battery ESS facility totaling 400 MW in CAISO, all of which are located in California.

ISO/RTO	Technology	Primary Fuel	Number of Facilities	Net Capacity (MW)
CAISO	CCGT	Natural Gas	1	1,020
CAISO	Battery	Renewable	1	400
CAISO	CT	Fuel Oil	1	110
Total West Segment			3	1,530

We plan to develop an additional 350 MW in the third phase of our battery ESS at our Moss Landing Power Plant site with an estimated commercial operation date in the summer of 2023.

CAISO — CAISO is an ISO that manages the flow of electricity to approximately 32 million customers primarily in California, representing approximately 80% percent of the state's electric load.

Energy is priced in CAISO utilizing an LMP methodology. The capacity market is comprised of Generic, Flexible and Local Resource Adequacy (RA) Capacity and is administered by the California Public Utilities Commission (CPUC). Unlike other centrally cleared capacity markets, the resource adequacy markets in California are primarily bilaterally traded markets. In 2020, the CPUC introduced a central procurement entity for Local RA Capacity effective for the 2023 compliance year. The central procurement entity runs a pay-as-bid auction for Local RA Capacity. In November 2016, CAISO implemented a voluntary capacity auction for annual, monthly, and intra-month procurement to cover for deficiencies in the market. The voluntary Competitive Solicitation Process, which FERC approved in October 2015, is a modification to the Capacity Procurement Mechanism (CPM) and provides another avenue to sell RA capacity.

Sunset Segment

Our Sunset segment is comprised of six power generation facilities totaling 5,163 MW of generating capacity in MISO, PJM and ERCOT. The Sunset segment represents plants with announced retirement plans between 2022 and 2027 that were previously reported in the ERCOT, PJM and MISO segments. See Note 3 to the Financial Statements for more information related to these planned generation retirements.

ISO/RTO	Technology	Primary Fuel	Number of Facilities	Net Capacity (MW)
ERCOT	ST	Coal	1	650
MISO (a)	ST	Coal	3	2,385
PJM	ST	Coal	2	2,128
Total Sunset Segment			6	5,163

(a) Includes the 585 MW Edwards facility that was retired on January 1, 2023.

See *Texas Segment* above for a discussion of the ERCOT ISO and *East Segment* above for a discussion of the PJM RTO.

MISO — MISO is an RTO that manages the flow of electricity from approximately 190,000 MW of installed generation capacity to approximately 45 million customers in all or parts of Iowa, Minnesota, North Dakota, Wisconsin, Michigan, Kentucky, Indiana, Illinois, Missouri, Arkansas, Mississippi, Texas, Louisiana, Montana, South Dakota and Manitoba, Canada.

MISO dispatches power plants to meet system energy and reliability needs and settles physical power deliveries at LMPs. Its energy markets allow market participants to buy and sell energy and ancillary services at prices established through real-time and day-ahead auctions. Energy prices vary among the regional zones and locations in MISO and are largely influenced by transmission constraints and fuel supply. An independent market monitor is responsible for evaluating the performance of the markets and identifying conduct by market participants or MISO that may compromise the efficiency or distort the outcome of the markets.

MISO administers a one-year Planning Resource Auction for the next planning year from June 1st of the current year to May 31st of the following year. In 2022, FERC approved MISO's proposal to change the annual Planning Resource Auction into a seasonal auction, effective for the 2023-2024 planning year. We participate in these auctions with open capacity that has not been committed through bilateral or retail transactions. We also participate in the MISO annual and monthly financial transmission rights auctions to manage the cost of our transmission congestion, as measured by the congestion component of the LMP price differential between two points on the transmission grid across the market area.

Wholesale Operations

Our wholesale commodity risk management group is responsible for dispatching our generation fleet in response to market needs after implementing portfolio optimization strategies, thus linking and integrating the generation fleet production with our retail customer and wholesale sales opportunities. Market demand, also known as load, faced by electric power systems, such as those we operate in, varies from moment to moment as a result of changes in business and residential demand, which is often driven by weather. Unlike most other commodities, the production and consumption of electricity must remain balanced on an instantaneous basis. There is a certain baseline demand for electricity across an electric power system that occurs throughout the day, which is typically satisfied by baseload generating generation units with low variable operating costs. Baseload generating generation units can also increase output to satisfy certain incremental demand and reduce output when demand is unusually low. Intermediate/load-following generating generation units, which can more efficiently change their output to satisfy increases in demand, typically satisfy a large proportion of changes in intraday load as they respond to daily increases in demand or unexpected changes in supply created by reduced generation from renewable resources or other generator outages. Peak daily loads may be satisfied by peaking units. Peaking units are typically the most expensive to operate, but they can quickly start up and shut down to meet brief peaks in demand. In general, baseload units, intermediate/load following units and peaking units are dispatched into the ISO/RTO grid in order from lowest to highest variable cost. Price formation is typically based on the highest variable cost unit that clears the market to satisfy system demand at a given point in time.

Our commodity risk management group also enters into electricity, natural gas and other commodity derivative contracts to reduce exposure to changes in prices primarily to hedge mitigate the volatility of future revenues and fuel costs for our generation facilities and purchased power costs for our Retail segment.

Seasonality

The demand for and market prices of electricity and natural gas are affected by weather. As a result, our operating results are impacted by extreme or sustained weather conditions and may fluctuate on a seasonal basis. Typically, demand for and the price of electricity is higher in the summer and winter seasons, when the temperatures are more extreme, and the demand for and price of natural gas is also generally higher in the winter. More severe weather conditions such as heat waves or extreme winter weather have made, and may make, such fluctuations more pronounced. The pattern of this fluctuation may change depending on, among other things, the retail load served and the terms of contracts to purchase or sell electricity.

Competition

Competition in the markets in which we operate is impacted by electricity and fuel prices, congestion along the power grid, subsidies provided by state and federal governments for new and existing generation facilities, including renewables generation and battery ESS, new market entrants, construction of new generating generation assets, technological advances in power generation, the actions of environmental and other regulatory authorities, and other factors. We primarily compete with other electricity generators and retailers based on our ability to generate electric supply, market and sell electricity at competitive prices and to efficiently utilize transportation from third-party pipelines and transmission from electric utilities to deliver electricity to end-users. Competitors in the generation and retail power markets in which we participate include numerous regulated utilities, industrial companies, non-utility generators, competitive subsidiaries of regulated utilities, independent power producers, REPs and other energy marketers. See Item 1A. Risk Factors for additional information concerning the risks faced with respect to the markets in which we operate.

Brand Value

Business Strategy

Our TXU Energy brand, which has been used to sell electricity to customers is a leader in the clean power transition. With a strong zero-carbon generation portfolio and a deliberate and responsible strategy to decarbonize, Vistra understands our obligation to balance reliability, affordability, and sustainability. To align our strategy with this obligation we have defined four strategic priorities that we aim to execute against:

- Long-term, attractive earnings profile through the integrated business model.
- Strategic energy transition that supports the reliability and affordability of electricity.
- Significant and consistent shareholder return of capital.
- Maintaining a strong balance sheet.

Long-term, attractive earnings profile through the integrated business model. Our integrated business model distinguishes us from our electricity competitors as it pairs our reliable and efficient diversified generation fleet and wholesale commodity risk management capabilities with our retail platform. Integrating retail with power generation stands as a fundamental competitive retail advantage that mitigates the impact of commodity price fluctuations and enhances the stability and predictability of our cash flows. Stability and predictability of cash flows are essential as we evaluate economically attractive investments.

Strategic energy transition that supports the reliability and affordability of electricity. As one of the largest electricity market generators in Texas for approximately 20 years, is registered and protected by trademark law the U.S., Vistra has led the way in decarbonization efforts and is committed to sustainability, setting aggressive targets, and transitioning our fleet to low-to-no carbon resources, all while balancing our obligations to our stakeholders. While the only material intellectual property asset way we generate electricity may be changing, our essential role in providing reliable and affordable electricity is not.

Significant and consistent shareholder return of capital. We make thoughtful capital allocation decisions that we own. We have also acquired balances the trade names goal of returning significant and consistent capital to our stockholders through share repurchases and quarterly dividends with the allocation of capital to maintain current assets and explore opportunities for Ambit Energy, Dynegy Energy Services, Homefield Energy, TriEagle Energy, Public Power and U.S. Gas & Electric through the Ambit Transaction, Cirus Transaction and the Merger, as the case may be. As of December 31, 2022, we have reflected intangible assets on growth.

Maintaining a strong balance sheet. Vistra's disciplined approach to capital management supports our commitment to maintain a strong balance sheet. A strong balance sheet ensures our access to diverse sources of liquidity and provides financial flexibility for our trade names of approximately \$1.341 billion (see Note 5 capital allocation decisions, including decisions to the Financial Statements).

return significant and consistent capital to our stockholders.

Human Capital Resources

As a key component of Vistra's approach to human capital management is guided by our core principle that values. These values are:

- *We do business the right way.* Every decision we make and action we take will be evidence of the utmost integrity and compliance.
- *We compete to win.* We will create the leading integrated energy company with an unmatched work ethic, an analysis-driven and disciplined culture with strong leadership and decision-making throughout the organization.
- *We work as a team team.* We are committed to each other, everything we do and to the success of our company.
- *We care about our key stakeholders.* We respect our fellow employees, we focus on our customers and we care about our communities where we live and do business. We will maintain productive and respectful relationship with our legislators, regulators and community leaders.

Our core values apply to all employees, suppliers and contractors and guide how we interact with our partner companies, communities, the environment and all other stakeholders. We aim to conduct all aspects of our business in accordance with these core values, which serve as the cultural foundation of the Company.

Vistra believes our most valuable asset is our talented, dedicated and diverse group of employees who work together to achieve our objectives, and our top priority is ensuring their safety. One of Vistra's core principles is that we care about our key stakeholders, including our employees. We invest in our people through numerous development and training opportunities, engaging employee programs and generous benefit and wellness offerings.

As of December 31, 2022 December 31, 2023, we had approximately 4,910 4,870 full-time employees, including approximately 1,295 1,200 employees under collective bargaining agreements.

Safety

Vistra's mindset around safety is exemplified by our motto: *Best Defense. Everyone wins. No one gets hurt.* Our safety culture revolves around people and human performance. We place a high importance on continuous improvement, along with a keen focus on numerous learning and error-prevention tools. To facilitate a learning environment, our various operating plants share their investigations and learnings of all safety events with all operations employees on weekly calls. The information is presented by front-line employees and supported by management. The lessons from each event are shared across the fleet to prevent similar incidents at other locations. All personnel at Vistra locations are encouraged to be actively involved in the safety process. Managers are required to participate in safety engagements with staff to enable constant communication and sustained interaction. In 2022, 2023, the generation fleet conducted more than 52,000 56,000 leadership safety engagements across the fleet continuing our employee driven safety program focused on engagement of all employees.

Our focus on reducing the severity of injuries for both our employees and contractors who work with us has shown positive results. In 2022, we did not have any Since the implementation of our Best Defense safety program, the number of serious injuries as determined in accordance with industry standards, or fatalities to our Vistra employees or business partners working at our sites, has decreased significantly. Although we do not focus on recordable incidents, our Total Recordable Incident rate (TRIR) for the company employees was 0.85 0.54, in the second top quartile as compared to the Edison Electric Institute (EEI) 2021 2022 Total Company Injury Data. We encourage near-miss reporting and review of events to promote a learning environment. In 2022, 2023, safety learning calls were held every week where 128 near-miss and safety events were reviewed by our operating teams to promote learning across the fleet.

All Vistra employees are covered by our safety program. Corporate and retail employees are required to complete periodic training on safety topics through our online learning management system. Employees who are located at a power plant are required to complete trainings based on job function, which is also tracked through our central learning management system. In addition, the Company engages an independent third-party conformity assessment and certification vendor to manage adherence to our safety standards for all vendors and contractors who work at our plants. In addition, we work closely with our suppliers and contractors to ensure our safety practices are upheld.

All of our power plant facilities have effective health and safety programs and comply with OSHA regulations. In addition to compliance, our generation fleet has a total of 14 plants that have been awarded the Voluntary Protection Program (VPP) Star designation by the OSHA for superior demonstration of effective safety and health management systems and for maintaining injury and illness rates below the national averages for our industry. Two additional plants have submitted applications Our Hopewell, Ontelaunee and are awaiting review by the OSHA. Independence generation facilities completed reevaluations and were re-certified as VPP Star in 2023. VPP Star status is the highest designation of OSHA's Voluntary Protection Programs. The achievement recognizes employers and workers who have implemented effective safety and health management systems and maintain injury and illness rates below national Bureau of Labor Statistics (BLS) averages for their respective industries. These sites are self-sufficient in their ability to control workplace hazards and are reevaluated every three to five years. Additionally, 32 of our power plants and mine locations have adopted a proactive Behavior Based Safety approach to safety which focuses on identifying and providing feedback on at-risk behaviors observed.

In 2022, we continued our COVID-19 protections and protocols helping to ensure the safety of all of our employees.

Diversity, Equity and Inclusion

We recognize the value of having a diverse and inclusive workforce. Our diversity includes all the ways we differ, such as age, gender, ethnicity and physical appearance, as well as underlying differences such as thoughts, styles, religions, nationality, education and numerous other traits. Creating and maintaining an environment where differences are valued and respected enhances our ability to recruit and retain the best talent in the marketplace and to provide a work environment that allows all employees to be their best.

Vistra's diversity is evolving, and our Board and management are leading by example. Currently, four of the eleven Board members are women, and two of the eleven are ethnically diverse. Overall, 32% of the Company's workforce is ethnically diverse. Women currently hold 25% 24% of the Company's senior management positions, and ethnically diverse employees represent 27% of senior management.

During 2022, 2023, we continued our efforts to unlock the full potential of our people by launching multiple new initiatives within our diversity, equity, and inclusion efforts. Our Chief Diversity Officer continued to develop and lead Vistra's employee-led Diversity, Equity and Inclusion Advisory Council, established in 2020. In 2022, the council expanded its role and participated directly in the development of new diversity training modules, the launching of Vistra's 2022 Employee Engagement Survey and the launch of a new learning platform. We continued to utilize our thirteen fifteen Employee Resource Groups (ERGs) to promote the appreciation of and communicate awareness of diverse employee groups and communities and their contribution to the overall success of the organization, both internally and externally. ERGs represent not only diverse cultures, but also employees with disabilities, the LGBTQ+ community and employees engaged in innovation. Further initiatives were launched to support the education, recruitment innovation and retention of current and future employees, with particular emphasis being placed on driving equal access to opportunities throughout the organization. analytics. The emphasis on skills based skills-based hiring continued in 2022. People managers continues to evolve as we see increased mobility of employees throughout the organization as well as increased retention. Vistra is elevating its commitment to disability diversity by increasing our commitment and support level with DisabilityIn. We now have leaders on all eligible committees within the organization (executive sponsor, Chief Diversity Officer, ERG leader, accessibility). We centralized our intern program to ensure a diverse intern pool from across the organization also participated country and are expanding our college partnerships to ensure geographically diverse opportunities in one-day research, sponsorships and two-day training sessions conducted by Basic Diversity, Inc. recruitment. Training on inclusion and acceptance is being presented to all frontline employees to ensure every employee is included in the conversation.

Vistra is active in our communities to promote inclusivity. Vistra's supply chain diversity initiative seeks to reflect our customer base and workforce compositions through creating a diverse supply chain. Vistra continued to expand its commitment to an inclusive economy by fostering mentorship of diverse businesses. Further, in the third fourth year of Vistra's \$10 million five-year commitment to support underserved communities, Vistra provided funding to educational and economic development nonprofits around the country working to transform underserved communities for the better.

Training and Development

We believe the development of employees at all levels is critical to Vistra's current and future success. We have launched key programs to develop leaders at all levels of the organization. Vistra's Essentials in of Leadership provides first time new managers with skills to lead organizations in situational leadership, business acumen, identification of communication styles and inclusive communication practices, leadership, and exposes them to best practices from across the company. We also reinstated in-person leadership continue to evaluate and refine our programs as the development classes needs of our employees change. In 2023, Vistra refreshed our Front-Line Leader development program focusing on the development of supervisors and continued to provide virtual opportunities. In 2022, Vistra added an emotional intelligence program that was well received by leaders across the organization. managers at our plants.

Vistra also provides many other training and development programs to help grow and develop employees at every level, including online learning platform courses, learning management system courses, recorded webinars and presentations, self-paced development and employee-specific skill training. The launch of the new and improved Vistra Learning Community is our online learning platform in 2022 further that strategically supports employees in completing thousands of hours of professional training to support continuing education requirements for their respective professional licenses, including accounting, legal and nuclear. In 2022, 2024, Vistra continued its formal mentoring program available to all employees to focus on topics like organizational knowledge, career development, individual development, collaboration and leadership. Over 600 500 employees participated in 2022, 2023. In addition, all full-time employees, other than those in a collective bargaining unit, receive a formal performance review guiding development and improving results of the business.

Employee Benefits

Maintaining attractive benefits and pay are important for recruiting and retaining talent. We are committed to maintaining an equitable compensation structure, including performing annual salary reviews by employee category level within significant locations of operations. Eligible full- and part-time employees are provided access to medical, prescription drug, dental, vision, life insurance, accidental death and dismemberment, long-term disability coverage, accident coverage, critical illness coverage and hospital indemnity coverage. Regular full-time employees are eligible for short-term disability benefits, and all employees are eligible for the employee assistance program, parental leave, maternity leave and a 401(k) plan through which the Company matches employee contributions up to 6%.

Wellness

We believe a healthy workforce leads to greater well-being at work and at home. To help keep our workforce healthy, we offer access to on-site medical clinics at six locations. Our healthcare plans are also designed to reward employees for getting annual physicals, age and gender health screenings and immunizations. In addition, our employee medical plans promote mental health and emotional wellness and offer resources for employees seeking assistance. Fitness centers in multiple facilities offer cardio equipment, a selection of free weights and exercise mats. Our employee-led wellness team engages our people to get active and support causes that promote healthy living. With support from the company, the wellness team covers the registration costs for employees to participate in running and cycling events throughout the year.

Environmental Regulations and Related Considerations

We are subject to extensive environmental regulation by governmental authorities, including the EPA and the environmental regulatory bodies of states in which we operate. The EPA has finalized or proposed several regulatory actions establishing new requirements for control of certain emissions from sources, including electricity generation facilities. See Item 1A, *Risk Factors* for additional discussion of risks posed to us regarding regulatory requirements. See Note 12 14 to the Financial Statements for a discussion of litigation related to EPA reviews.

Climate Change

There is continuing attention and interest emphasis domestically and internationally about on global climate change and how GHG emissions, such as CO₂, contribute to global climate change. GHG emissions from the combustion of fossil fuels, primarily by our coal-fueled-generation plants as well as our natural gas-fueled generation plants represent the substantial majority of our total GHG emissions. CO₂, methane and nitrous oxide are emitted in this combustion process, with CO₂ representing the largest portion of these GHG emissions. We estimate that our generation facilities produced approximately 104 million 95 million short tons of CO₂ in the year ended 2022, 2023.

To manage our environmental impact from our business activities and reduce our emissions profile, Vistra set emissions reduction targets. Vistra is targeting to achieve a 60% reduction in Scope 1 and Scope 2 CO₂ equivalent emissions by 2030 as compared to a 2010 baseline with a long-term goal to achieve net-zero carbon emissions by 2050, assuming necessary advancements in technology and supportive market constructs and public policy. Since 2010, Vistra has retired more than 15,100 MW of coal and natural gas power plants resulting in a 50% reduction in carbon dioxide (CO₂) emissions, a 68% reduction in nitrogen oxide (NO_x) emissions, and an 89% reduction in sulfur dioxide (SO₂) emissions through year-end 2023, compared to a 2010 baseline. In furtherance of Vistra's efforts to meet its net-zero target, Vistra expects to deploy multiple levers to transition the company to operating with net-zero emissions, including decarbonization of existing business lines and further diversification into low-to-no emission businesses, primarily renewables and energy storage, battery ESS. We have already taken or announced significant steps to transform our generation portfolio and reduce the emissions intensity of our generation fleet, including:

- **Solar Projects** — We operate solar generations facilities totaling 338 MW in Texas. We have announced our plans to develop:
 - additional solar generation facilities in Texas, with expected commercial operation dates beginning in 2024, 2025, and
 - up to 300 MW of solar generation facilities at retired or to-be retired plant sites in Illinois with expected commercial operation dates ranging from 2024 to 2025, 2026.
- **Battery Energy Storage Projects** — We operate battery ESSs ESS totaling 270 MW in Texas and 400 750 MW in California. We have announced our plans to develop:
 - develop up to 150 MW of battery ESS at retired or to-be-retired plant sites in Illinois with expected commercial operation dates ranging from 2024 to 2025, and
 - 350 MW of battery ESS in California with an expected commercial operation date in 2023, 2026.
- **Acquisition of CCGTs** — In 2016 and 2017, we acquired 4,042 MW of CCGTs in Texas. In 2018, we acquired 15,448 MW of CCGTs across various ISOs/RTOs in connection with the Dynegy Merger.
- **Retirements of Fossil Fuel Generation** — Since 2018, lignite/coal-fueled generation facilities retired include 4,167 MW in Texas, 3,455 4,040 MW in Illinois (including the Edwards facility that was retired on January 1, 2023) and 1,300 MW in Ohio. We expect to retire an additional 4,578 MW of coal-fueled generation facilities in Illinois, Ohio and Texas no later than year-end 2027.
- **Acquisition of Nuclear Generation Facilities** — In 2023, we announced the acquisition of 4,048 MW of nuclear generation facilities in PJM from Energy Harbor. We anticipate the transaction will close on March 1, 2024.

We will only invest in growth projects if we are confident in the expected returns. See Note 2 3 to the Financial Statements for discussion of our solar and battery ESS projects and Note 3 4 to the Financial Statements for discussion of our retirement of generation facilities.

Green Finance Framework

In December 2021, we announced the publication of our Green Finance Framework, which allows us to issue green financial instruments to fund new or existing projects that support renewable energy and energy efficiency with alignment to our ESG strategy. See Note 15 to the Financial Statements for more information concerning the Series B Preferred Stock issued under our Green Finance Framework.

GHG Emissions

In July 2019, the EPA finalized a rule that repealed the Clean Power Plan (CPP) that had been finalized in 2015 and established new regulations addressing GHG emissions from existing coal-fueled electric generation units, referred to as the Affordable Clean Energy (ACE) rule. The ACE rule developed emission guidelines that states must use when developing plans to regulate GHG emissions from existing coal-fueled electric generating generation units. In response to challenges brought by environmental groups and certain states, the U.S. Court of Appeals for the District of Columbia Circuit (D.C. Circuit Court) vacated the ACE rule, including the repeal of the CPP, in January 2021 and remanded the rule to the EPA for further action. In June 2022, the U.S. Supreme Court issued an opinion reversing the D.C. Circuit Court's decision, and finding that the EPA exceeded its authority under Section 111 of the Clean Air Act when the EPA set emission requirements in the CPP based on generation shifting. In October 2022, the D.C. Circuit Court issued an amended judgment, denying petitions for review of the ACE rule and challenges to the repeal of the CPP. In addition, the EPA has opened a docket seeking input on questions related to the regulation of GHGs under Section 111(d) and has indicated its intent to issue which closed in March 2023. In May 2023, the EPA released a new proposal regulating power plant GHG emissions, while also proposing to repeal the ACE rule. The new GHG proposal sets limits for (a) new natural gas-fired combustion turbines, (b) existing coal-, oil-

and natural gas-fired steam generation units, and (c) certain existing natural gas-fired combustion turbines. The proposed standards are based on technologies such as carbon capture and sequestration/storage (CCS), low-GHG hydrogen co-firing, and natural gas co-firing. Starting in Spring 2030, the proposal would generally require more CO₂ emissions control at fossil fuel-fired power plants that operate more frequently and for more years and would phase in increasingly stringent CO₂ requirements over time. Under the proposal, states would be required to submit plans to the EPA within 24 months of the rule's effective date that provide for the establishment, implementation, and enforcement of standards of performance for existing sources. These state plans must generally establish standards that are at least as stringent as the EPA's emission guidelines. Existing steam generation units must start complying with their standards of performance on January 1, 2030. Existing combustion turbine units must start complying with their standards of performance on January 1, 2032, or January 1, 2035, depending on their subcategory. We submitted comments to the EPA on this proposal in August 2023.

State Regulation of GHGs

Many states where we operate generation facilities have, are considering, or are in some stage of implementing, state-only regulatory programs intended to reduce emissions of GHGs from stationary sources as a means of addressing climate change.

Regional Greenhouse Gas Initiative (RGGI) — RGGI is a state-driven GHG emission control program that took effect in 2009 and was initially implemented by ten New England and Mid-Atlantic states to reduce CO₂ emissions from power plants. The participating RGGI states implemented a cap-and-trade program. Compliance with RGGI can be achieved by reducing emissions, purchasing or trading allowances, or securing offset allowances from an approved offset project. We are required to hold allowances equal to at least 50 percent of emissions in each of the first two years of the three-year control period.

In December 2017, the RGGI states released an updated model rule with changes to the CO₂ budget trading program, including an additional 30 percent reduction in the CO₂ annual cap by the year 2030, relative to 2020 levels. RGGI is currently conducting its third program review to be completed by the end of 2023 which may include an updated model rule.

Our generating generation facilities in Connecticut, Maine, Massachusetts, New Jersey, New York and Virginia emitted approximately 9 million 10 million short tons of CO₂ during 2022. 2023. The spot market price of RGGI allowances required to operate these facilities as of December 31, 2022 December 31, 2023 was approximately \$13.57 \$15.35 per allowance. The spot market price of RGGI allowances required to operate our affected facilities during 2023 2024 was approximately \$12.63 \$16.21 per allowance on February 23, 2023 February 23, 2024. While the cost of allowances required to operate our RGGI-affected facilities is expected to increase in future years, we expect that the cost of compliance would be reflected in the power market, and the actual impact to gross margin would be largely offset by an increase in revenue.

Massachusetts — In August 2017, the Massachusetts Department of Environmental Protection (MassDEP) adopted final rules establishing an annual declining limit on aggregate CO₂ emissions from 21 in-state fossil-fueled electricity generation units. The rules establish an allowance trading system under which the annual aggregate electricity generation unit sector cap on CO₂ emissions declines from 8.96 million metric tons in 2018 to 1.8 million metric tons in 2050. MassDEP allocated emission allowances to affected facilities for 2018. Beginning in 2019, the allocation process transitioned to a competitive auction process whereby allowances are partially distributed through a competitive auction process and partially distributed based on the process and schedule established by the rule. Beginning in 2021, all allowances were distributed through the auction. Limited banking of unused allowances is allowed.

Virginia — In May 2019, the Virginia Department of Environmental Quality issued a final rule to adopt a carbon cap-and trade program for fossil-fueled electricity generation units, including our Hopewell facility, beginning in 2020. The program is based on the RGGI proposed 2017 model rule and linked Virginia to RGGI in 2021. The Governor of Virginia issued an executive order in January 2022 to begin the process of removing the state from RGGI; however, RGGI. The Virginia State Pollution Control Board withdrew the state from RGGI at the end of 2023, coinciding with the end of the program's three-year compliance period and contract with RGGI, Inc. In August 2023, opponents of the state's action filed suit seeking a stay alleging withdrawal from RGGI is impermissible without new legislation. Virginia General Assembly would need to modify the law to exit the program. At is not participating in RGGI at this time, no new laws have passed and Virginia remains in RGGI. time.

New Jersey — In January 2018, the Governor of New Jersey signed an executive order directing the state's environmental agency and public utilities board to begin the process of rejoining RGGI, and New Jersey formally rejoined RGGI in June 2019. In June 2019, New Jersey adopted two rules that govern New Jersey's reentry into the RGGI auction and distribution of the RGGI auction proceeds.

Pennsylvania — In April 2022, the Pennsylvania Environmental Quality Board finalized regulations that would establish Pennsylvania's participation in RGGI. In July 2022, the Commonwealth Court of Pennsylvania (Commonwealth Court) took action to uphold a preliminary injunction over Pennsylvania's RGGI regulations. The Pennsylvania Supreme Court denied a request for emergency relief from the injunction in August 2022. In November 2023, the Commonwealth Court found that Pennsylvania cannot join RGGI without legislative approval and review enjoined the Pennsylvania Department of the legality of the injunction is now pending before Environmental Protection from implementing RGGI. The state has appealed this decision to the Pennsylvania Supreme Court. Court where it is still pending. The Pennsylvania Department of Environmental Protections has indicated it will not seek to implement RGGI until the Pennsylvania Supreme Court acts. As a result, RGGI is not being implemented or enforced in Pennsylvania at this time.

California — Our assets in California are subject to the California Global Warming Solutions Act, which required the California Air Resources Board (CARB) to develop a GHG emission control program to reduce emissions of GHGs in the state to 1990 levels by 2020. In April 2015, the Governor of California issued an executive order establishing a new

statewide GHG reduction target of 40 percent below 1990 levels by 2030 to ensure California meets its 2050 GHG reduction target of 80 percent below 1990 levels. We have participated in quarterly auctions or in secondary markets, as appropriate, to secure allowances for our affected assets.

In July 2017, California enacted legislation extending its GHG cap-and-trade program through 2030 and the CARB adopted amendments to its cap-and-trade regulations that, among other things, established a framework for extending the program beyond 2020 and linking the program to the new cap-and-trade program in Ontario, Canada beginning in January 2018.

Air Emissions

The Clean Air Act (CAA)

The CAA and comparable state laws and regulations relating to air emissions impose various responsibilities on owners and operators of sources of air emissions, which include requirements to obtain construction and operating permits, pay permit fees, monitor emissions, submit reports and compliance certifications, and keep records. The CAA requires that fossil-fueled electricity generation plants meet certain pollutant emission standards and have sufficient emission allowances to cover SO₂ emissions and in some regions NO_x emissions.

In order to ensure continued compliance with the CAA and related rules and regulations, we utilize various emission reduction technologies. These technologies include flue gas desulfurization (FGD) systems, dry sorbent injection (DSI), baghouses and activated carbon injection or mercury oxidation systems on select units and electrostatic precipitators, selective catalytic reduction (SCR) systems, low-NO_x burners and/or overfire air systems on all units.

Cross-State Air Pollution Rule (CSAPR)

In 2016, the EPA finalized the Cross-State Air Pollution Rule Update (CSAPR Update) to address 22 states' obligations with respect to the 2008 ozone National Ambient Air Quality Standards (NAAQS). In 2019, following challenges by numerous parties, the D.C. Circuit Court found that the CSAPR Update did not fully address certain states' 2008 ozone NAAQS obligations. In October 2020, the EPA proposed an action to address the outstanding 2008 ozone NAAQS obligations in response to the D.C. Circuit Court's 2019 ruling. Vistra subsidiaries filed comments on that rulemaking in December 2020, and the EPA published a final rule in the Federal Register on April 30, 2021 that reduces ozone season NO_x budgets in certain states. We do not believe that the final rule causes a material adverse impact on our future financial results.

In October 2015, the EPA revised the primary and secondary ozone NAAQS to lower the 8-hour standard for ozone emissions during ozone season (May to September). As required under the CAA, in October 2018, the State of Texas submitted a State Implementation Plan (SIP) to the EPA demonstrating that emissions from Texas sources do not contribute significantly to nonattainment in, or interfere with maintenance by, any other state with respect to the revised ozone NAAQS. In February 2023, the EPA disapproved Texas's SIP. Texas' SIP and the State of Texas, Luminant, certain trade groups, and others challenged that disapproval in the U.S. Court of Appeals for the Fifth Circuit (Fifth Circuit Court). In March 2023, those same parties filed motions to stay the EPA's SIP disapproval in the Fifth Circuit Court, and the EPA moved to transfer our challenges to the D.C. Circuit Court or have those challenges dismissed.

In April 2022, prior to the EPA's disapproval of Texas's Texas' SIP, the EPA proposed a Federal Implementation Plan (FIP) to address the 2015 ozone NAAQS. The proposed FIP would apply to 25 states beginning with the 2023 ozone seasons. States where Vistra operates generation units that would be subject to this proposed rule are Illinois, New Jersey, New York, Ohio, Pennsylvania, Texas, Virginia and West Virginia. The revised Group 3 trading program (previously established in the Revised CSAPR Update Rule) would include emission budgets for 2023 that the EPA says are achievable through existing controls installed at power plants. Starting in 2026, the budgets would be based on levels achieved through installation of SCR controls at the approximately 20% of large coal-fueled power plants that do not currently have such controls. Starting in 2025, the budgets would be updated annually to account for source retirements. Starting in 2024, the rule would also impose a daily emissions rate limit for coal-fueled units with existing controls and would impose such a limit for units installing new controls in 2027. We, along with many other companies, trade groups, states and ISOs, including ERCOT, PJM and MISO, filed responsive comments to the EPA's proposal in June 2022, expressing concerns about certain elements of the proposal, particularly those that may result in challenges to electric reliability under certain conditions. In March 2023, the EPA administrator signed its final FIP. The FIP applies to 22 states beginning with the 2023 ozone seasons. States where Vistra operates electric generation units that would be subject to this rule are Illinois, New Jersey, New York, Ohio, Pennsylvania, Texas, Virginia and West Virginia. Texas would be moved into the revised Group 3 trading program previously established in the Revised CSAPR Update Rule that includes emission budgets for 2023 that the EPA says are achievable through existing controls installed at power plants. Allowances will be limited under the program and will be further reduced beginning in ozone season 2026 to a level that is expected intended to finalize reduce operating time of coal-fueled power plants during ozone season or force coal plants to retire, particularly those that do not have selective catalytic reduction systems such as our Martin Lake power plant.

In May 2023, the proposed Fifth Circuit Court granted our motion to stay the EPA's disapproval of Texas' SIP pending a decision on the merits and denied the EPA's motion to transfer our challenge to the D.C. Circuit Court. As a result of the stay, we do not believe the EPA has authority to implement the FIP as to Texas sources pending the resolution of the merits, meaning that Texas will remain in Group 2 and not be subject to any requirements under the FIP at least until the Fifth Circuit Court rules on the merits. Oral argument was heard in December 2023 before the Fifth Circuit Court. In June 2023, the EPA published the final FIP in March 2023, the Federal Register, which included requirements as to Texas despite the stay of the SIP disapproval by the Fifth Circuit Court. In February 2022, June 2023, the State of Texas, Luminant certain trade groups, and others various other parties also filed legal challenges to the EPA's disapproval of Texas's SIP FIP in the U.S. Court of Appeals for the Fifth Circuit (Fifth Circuit Court). If Court. After the motion to stay and to confirm venue was filed, the EPA finalizes signed an interim final rule on June 29, 2023 that confirms the FIP described above as expected to Texas is stayed. In July 2023, the Fifth Circuit Court ruled that the FIP challenge would be held in March 2023, it will impose reduced ozone season NO_x budgets under abeyance pending the CSAPR program for our Texas power plants. We cannot predict resolution of the outcome of our legal

challenges litigation on the SIP disapproval and denied the motion to stay as not needed given the EPA's disapproval of the SIP, any legal action related to the EPA's FIP once finalized, or the effects of the final rule (after the conclusion of legal challenges) on operations of our generation fleet. administrative stay.

Regional Haze — Reasonable Progress and Best Available Retrofit Technology (BART) for Texas

The Regional Haze Program of the CAA establishes "as a national goal the prevention of any future, and the remedying of any existing, impairment of visibility in mandatory class I federal areas which impairment results from man-made pollution." There are two components to the Regional Haze Program. First, states must establish goals for reasonable progress for Class I federal areas within the state and establish long-term strategies to reach those goals and to assist Class I federal areas in neighboring states to achieve reasonable progress set by those states towards a goal of natural visibility by 2064. Second, certain electricity generation units built between 1962 and 1977 are subject to BART standards designed to improve visibility if such units cause or contribute to impairment of visibility in a federal class I area.

In October 2017, the EPA issued a final rule addressing BART for Texas electricity generation units, with the rule serving as a partial approval of Texas' 2009 SIP and a partial FIP. For SO₂, the rule established an intrastate Texas emission allowance trading program as a "BART alternative" that operates in a similar fashion to a CSAPR trading program. The program includes 39 generating generation units (including the Martin Lake, Big Brown, Monticello, Sandow 4, Coletto Creek, Stryker 2 and Graham 2 plants). The compliance obligations in the program started on January 1, 2019. For NO_x, the rule adopted the CSAPR's ozone program as BART and for particulate matter, the rule approved Texas' SIP that determines that no electricity generation units are subject to BART for particulate matter. In August 2020, the EPA issued a final rule affirming the prior BART final rule but also included additional revisions that were proposed in November 2019. Challenges to both the 2017 rule and the 2020 rules have been consolidated in the D.C. Circuit Court, where we have intervened in support of the EPA. We are in compliance with the rule, and the retirements of our Monticello, Big Brown and Sandow 4 plants have enhanced our ability to comply. The EPA has stated it is starting a proceeding for reconsideration in the process of reconsidering the BART rule, which we expect in 2023. The and the challenges in the D.C. Circuit Court have been held in abeyance pending the EPA's final action on reconsideration. In May 2023, a proposed BART rule was published in the Federal Register that would withdraw the trading program provisions of the prior rule and would establish SO₂ limits on six facilities in Texas, including Martin Lake and Coletto Creek. Under the current proposal, compliance would be required within 3 years for Martin Lake and 5 years for Coletto Creek. Due to the announced shutdown for Coletto Creek, we do not anticipate any impacts at that facility, and we are evaluating potential compliance options at Martin Lake should this proposal become final. We submitted comments to the EPA on this proposal in August 2023.

National Ambient Air Quality Standards (NAAQS)

The CAA requires the EPA to regulate emissions of pollutants considered harmful to public health and the environment. The EPA has established NAAQS for six such pollutants, including SO₂ and ozone. Each state is responsible for developing a SIP that will attain and maintain the NAAQS. These plans may result in the imposition of emission limits on our facilities.

SO₂ Designations for Texas

In November 2016, the EPA finalized its nonattainment designations for counties surrounding our Martin Lake generation plant and our now retired Big Brown and Monticello plants. The final designations require Texas to develop nonattainment plans for these areas. In February 2017, the State of Texas and Luminant filed challenges to the nonattainment designations in the Fifth Circuit Court. In August 2019, the EPA issued a proposed Error Correction Rule for all three areas, which, if finalized, would have revised its previous nonattainment designations and each area at issue would be designated unclassifiable. In May 2021, the EPA finalized a "Clean Data" determination for the areas surrounding the retired Big Brown and Monticello plants, redesignating those areas as attainment based on monitoring data supporting an attainment designation. In June 2021, the EPA published two notices; one that it was withdrawing the August 2019 Error Correction Rule and a second separate notice denying petitions from Luminant and the State of Texas to reconsider the original nonattainment designations. We, along with the State of Texas, challenged that EPA action and have consolidated it with the pending challenge in the Fifth Circuit Court, and this case was argued before the Fifth Circuit Court in July 2022. In September 2021, the TCEQ considered a proposal for its nonattainment SIP revision for the Martin Lake area and an agreed order to reduce SO₂ emissions from the plant. The proposed agreed order associated with the SIP proposal reduces emission limits as of January 2022. Emission reductions required are those necessary to demonstrate attainment with the NAAQS. The TCEQ's SIP action was finalized in February 2022 and has been submitted to the EPA for review and approval. In January 2024, in a split decision, the Fifth Circuit Court denied the petitions for review we and the State of Texas filed over EPA's 2016 nonattainment designation for SO₂ for the area around Martin Lake. As a result of this decision, the EPA's nonattainment designation – originally made in 2016 – remains in place. We anticipate the EPA will likely move forward with either proposing a federal plan for the area in light of an approved consent decree between the Sierra Club and the EPA that requires the EPA taking final action promulgating a FIP for the nonattainment area by December 13, 2024 or the EPA may approve Texas' SIP submittal discussed above. In February 2024, we filed a petition asking the full Fifth Circuit Court to review the panel decision issued in January 2024.

Ozone Designations

The EPA issued a final rule in October 2015 lowering the ozone NAAQS from 75 to 70 parts per billion. Areas surrounding our Dicks Creek, Miami Fort and Zimmer facilities in Ohio, our Calumet facility in Illinois and our Wise, Ennis and Midlothian facilities in Texas were designated marginal nonattainment areas in June 2018 by the EPA with an attainment

deadline of August 2021. The EPA is required to take action on areas that did not attain by that date by bumping up the region to a "moderate" designation with an attainment deadline of August 2024. States will be required to develop SIPs to address emissions in areas with a higher (more stringent) classification.

Particulate Matter

In February 2024, the EPA issued a 715-page rule addressing the annual health-based national ambient air quality standards for fine particulate matter (or PM_{2.5}). In general, the rule lowers the level of the annual PM_{2.5} standard from 12.0 micrograms per cubic meter (µg/m³) to 9.0 µg/m³. The effective date of the rule is 60 days from publication in the Federal Register, and the earliest attainment date for areas exceeding the new standard is 2032. At this time, we are still determining what impact, if any, this rule will have on our existing plants or any plants we may build in the future. Based on 2020-2022 design value associated with the rule, we have just five plants (Oakland (California), Calumet (Illinois), Liberty (Pennsylvania), Miami Fort (Ohio) and Lake Hubbard (Texas)) operating in areas where the air quality monitoring data are currently exceeding the new PM_{2.5} standard. We have previously announced that our Miami Fort generation facility will close by the end of 2027. States will have to develop a plan (by late 2027 at the earliest) to get those areas into attainment and there would be a possibility that additional controls would be required for those sites. However, before the state begins this planning process, the designation process will occur within two years from the issuance of the final rule. The states develop recommendations about the boundaries of the nonattainment counties and the EPA must finalize the designations including the boundaries of each nonattainment area.

CCR/Groundwater

The combustion of coal to generate electric power creates large quantities of ash and byproducts that are managed at power generation facilities in dry form in landfills and in wet form in surface impoundments. Each of our coal-fueled plants has at least one CCR surface impoundment. **At present, CCR is regulated by the states as solid waste.**

Coal Combustion Residuals

The EPA's CCR rule, which took effect in October 2015, establishes minimum federal requirements for the construction, retrofitting, operation and closure of, and corrective action with respect to, existing and new CCR landfills and surface impoundments, as well as inactive CCR surface impoundments. The requirements include location restrictions, structural integrity criteria, groundwater monitoring, operating criteria, liner design criteria, closure and post-closure care, recordkeeping and notification. The deadlines for beginning and completing closure vary depending on several factors. The Water Infrastructure Improvements for the Nation Act (the WIIN Act), which was enacted in December 2016, provides for EPA review and approval of state CCR permit programs.

In August 2018, the D.C. Circuit Court issued a decision that vacates and remands certain provisions of the 2015 CCR rule, including an applicability exemption for legacy impoundments. In August 2020, the EPA issued a final rule establishing a deadline of April 11, 2021 to cease receipt of waste and initiate closure at unlined CCR impoundments. The final rule allows a generation plant to seek the EPA's approval to extend this deadline if no alternative disposal capacity is available and either a conversion to comply with the CCR rule is underway or retirement will occur by either 2023 or 2028 (depending on the size of the impoundment at issue). Prior to the November 2020 deadline, we submitted applications to the EPA requesting compliance extensions under both conversion and retirement scenarios. In 2022 and 2023, we withdrew the applications for Coffeen, Martin Lake, Joppa and Zimmer stations because extensions were no longer needed. In November 2020, environmental groups petitioned for review of this rule in the D.C. Circuit Court, and Vistra subsidiaries filed a motion to intervene in support of the EPA in December 2020. Also, in November 2020, the EPA finalized a rule that would allow an alternative liner demonstration for certain qualifying facilities. In November 2020, we submitted an application for an alternate liner demonstration for one CCR unit at Martin Lake. Lake, however, we withdrew the application for an alternate liner demonstration in November 2023 after determining the pond was no longer needed for CCR. In August 2021, we submitted a request to transfer our conversion application for the Zimmer facility to a retirement application following the announcement that Zimmer will close by May 31, 2022. In January 2022, the EPA determined that our conversion and retirement applications for our CCR facilities were complete but has not yet proposed action on any of those applications. In addition, in January 2022, the EPA also made a series of public statements, including in a press release, that purported to impose new, more onerous closure requirements for CCR units. The EPA issued these new purported requirements without prior notice and without following the legal requirements for adopting new rules. These new purported requirements announced by the EPA are contrary to existing regulations and the EPA's prior positions. In April 2022, we, along with the Utility Solid Waste Activities Group (USWAG), a trade association of over 130 utility operating companies, energy companies, and certain other industry associations, filed petitions for review with the D.C. Circuit Court and have asked the court to determine that the EPA cannot implement or enforce the new purported requirements because the EPA has not followed the required procedures. The State of Texas and the TCEQ have intervened in support of the petitions filed by the Vistra subsidiaries and USWAG, and various environmental groups have intervened on behalf of the EPA. Briefing before the D.C. Circuit Court is complete, and the court will hear argument in March 2024.

In May 2023, the EPA issued another proposal that further revises the federal CCR rule that would expand coverage of groundwater monitoring and closure requirements to the following two new categories of units: (a) legacy units which are CCR impoundments at inactive sites that ceased receiving waste before October 19, 2015 and (b) so-called "CCR management units" which generally could encompass areas of CCR located at a facility that is currently regulated by the existing CCR rule. CCR Management Units, as defined by the EPA in the proposal, could include any ash deposits, haul roads, and previously closed impoundments and landfills. As part of the proposed rule, the EPA identified 134 CCR management units at 82 different facilities across the country, including six of our potential units. The Vermilion ash ponds discussed below are the only unit which we believe qualify as a legacy CCR surface impoundment and given our closure plan for that site we do not believe this proposal, if finalized, will have any impact on this petition with that site. We are continuing to evaluate what would be complete by May required of the CCR management units identified in the proposal should the proposal become final in its current form. We submitted comments in July 2023.

MISO — In 2012, the Illinois Environmental Protection Agency (IEPA) issued violation notices alleging violations of groundwater standards onsite at our Baldwin and Vermilion facilities' CCR surface impoundments. These violation notices remain unresolved; however, in 2016, the IEPA approved our closure and post-closure care plans for the Baldwin old east, east, and west fly ash CCR surface impoundments. We have completed closure activities at those ponds at our Baldwin facility.

At our retired Vermilion facility, which was not potentially subject to the EPA's 2015 CCR rule until the aforementioned D.C. Circuit Court decision in August 2018, we submitted proposed corrective action plans involving closure of two CCR surface impoundments (i.e., the old east and the north impoundments) to the IEPA in 2012, and we submitted revised plans in 2014. In May 2017, in response to a request from the IEPA for additional information regarding the closure of these Vermilion surface impoundments, we agreed to perform

additional groundwater sampling and closure options and riverbank stabilizing options. In May 2018, Prairie Rivers Network (PRN) filed a citizen suit in federal court in Illinois against Dynegy Midwest Generation, LLC (DMG), alleging violations of the Clean Water Act for alleged unauthorized discharges. In August 2018, we filed a motion to dismiss the lawsuit. In November 2018, the district court granted our motion to dismiss and judgment was entered in our favor. In June 2021, the U.S. Court of Appeals for the Seventh Circuit affirmed the district court's dismissal of the lawsuit. In April 2019, PRN also filed a complaint against DMG before the Illinois Pollution Control Board (IPCB), alleging that groundwater flows allegedly associated with the ash impoundments at the Vermilion site have resulted in exceedances both of surface water standards and Illinois groundwater standards dating back to 1992. We answered that complaint in July 2021. In July 2023, PRN filed an unopposed motion to voluntarily dismiss the case with prejudice, which the IPCB granted in August 2023 and this matter is currently abated, closed the case.

In 2012, the IEPA issued violation notices alleging violations of groundwater standards at the Newton and Coffeen facilities' CCR surface impoundments. We are addressing these CCR surface impoundments in accordance with the federal CCR rule. In June 2018, the IEPA issued a violation notice for alleged seep discharges claimed to be coming from the surface impoundments at our retired Vermilion facility, which is owned by our subsidiary DMG, and that notice was referred to the Illinois Attorney General. In June 2021, the Illinois Attorney General and the Vermilion County State Attorney filed a complaint in Illinois state court with an agreed interim consent order which the court subsequently entered. Given the violation notices and the enforcement action, the unique characteristics of the site, and the proximity of the site to the only national scenic river in Illinois, we agreed to enter into the interim consent order to resolve this matter. Per the terms of the agreed interim consent order, DMG is required to evaluate the closure alternatives under the requirements of the newly implemented Illinois Coal Ash regulation (discussed below) and close the site by removal. In addition, the interim consent order requires that during the impoundment closure process, impacted groundwater will be collected before it leaves the site or enters the nearby Vermilion river and, if necessary, DMG will be required to install temporary riverbank protection if the river migrates within a certain distance of the impoundments. The interim order was modified in December 2022 to require certain amendments to the Safety Emergency Response Plan. In June 2023, the Illinois state court approved and entered the final consent order, which included the terms above and a requirement that when IEPA issues a final closure permit for the site, DMG will demolish the power station and submit for approval to construct an on-site landfill within the footprint of the former plant to store and manage the coal ash. These proposed closure costs are reflected in the ARO in our consolidated balance sheets (see Note 20 to the Financial Statements).

In July 2019, coal ash disposal and storage legislation in Illinois was enacted. The legislation addresses state requirements for the proper closure of coal ash ponds in the state of Illinois. The law tasks the IEPA and the IPCB to set up a series of guidelines, rules and permit requirements for closure of ash ponds. Under the final rule, which was finalized and became effective in April 2021, coal ash impoundment owners would be required to submit a closure alternative analysis to the IEPA for the selection of the best method for coal ash remediation at a particular site. The rule does not mandate closure by removal at any site. In May 2021, we filed an appeal in the Illinois Fourth Judicial District over certain provisions of the final rule and that case remains pending. Other parties have also filed appeals of certain provisions of the final rule. In October 2021, we filed operating permit applications for 18 impoundments as required by the Illinois coal ash rule, and filed construction permit applications for three of our sites in January 2022 and five of our sites in July 2022. One additional closure construction application will be filed for our Baldwin facility in August 2023.

For all of the above matters, if certain corrective action measures, including groundwater treatment or removal of ash, are required at any of our coal-fueled facilities, we may incur significant costs that could have a material adverse effect on our financial condition, results of operations and cash flows. The Illinois coal ash rule was finalized in April 2021 and does not require removal. However, the rule required us to undertake further site specific evaluations required by each program. We will not know the full range of decommissioning costs, including groundwater remediation, if any, that ultimately may be required under the Illinois rule until permit applications have been approved by the IEPA. However, the currently anticipated CCR surface impoundment and landfill closure costs as currently reflected in our existing ARO liabilities, reflect the costs of closure methods that our operations and environmental services teams believe are appropriate based on existing closure requirements and protective of the environment for each location. Once the IEPA acts on our permit applications, we will reassess the decommissioning costs and adjust our ARO liabilities accordingly.

Water

The EPA and the environmental regulatory bodies of states in which we operate have jurisdiction over the diversion, impoundment and withdrawal of water for cooling and other purposes and the discharge of wastewater (including storm water) from our facilities. We believe our facilities are presently in material compliance with applicable federal and state requirements relating to these activities. We believe we hold all required permits relating to these activities for facilities in operation and have applied for or obtained necessary permits for facilities under construction. We also believe we can satisfy the requirements necessary to obtain any required permits or renewals.

Effluent Limitation Guidelines (ELGs) — In November 2015, the EPA revised the ELGs for steam electricity generation facilities, which will impose more stringent standards (as individual permits are renewed) for wastewater streams, such as FGD, fly ash, bottom ash and flue gas mercury control wastewaters. Various parties filed petitions for review of the ELG rule, and the petitions were consolidated in the Fifth Circuit Court. In April 2017, the EPA granted petitions requesting reconsideration of the ELG rule and administratively stayed the rule's compliance date deadlines. In April 2019, the Fifth Circuit Court vacated and remanded portions of the EPA's ELG rule pertaining to effluent limitations for legacy wastewater and leachate. The EPA published a final rule in October 2020 that extends the compliance date for both FGD and bottom ash transport water to no later than December 2025, as negotiated with the state permitting agency. Additionally, the final rule allows for a retirement exemption that exempts facilities certifying that units will retire by December 2028 provided certain effluent limitations are met. In November 2020, environmental groups petitioned for review of the new ELG revisions, and Vistra subsidiaries filed a motion to intervene in support of the EPA in December 2020. In July 2021, the EPA announced its intent to revise the ELG rule and moved to hold the 2020 ELG revision litigation in abeyance pending the EPA's completion of its reconsideration rulemaking. Notifications were made to Texas, Illinois and Ohio state agencies on the retirement exemption for applicable coal plants by the regulatory deadline of October 13, 2021. In March 2023, the EPA published its proposed supplemental ELG rule, which retains the retirement exemption from the 2020 ELG rule and sets new limits for plants that are continuing to operate. The proposed rule also establishes pretreatment standards for combustion residual leachate, and we are currently evaluating the impact of those proposed requirements. We submitted comments on the proposal in May 2023.

Radioactive Waste

The nuclear industry has developed ways to store used nuclear fuel on site at nuclear generation facilities, primarily using dry cask storage, since there are no facilities for reprocessing or disposal of used nuclear fuel currently in operation in the U.S. Luminant stores its used nuclear fuel on-site in storage pools or dry cask storage facilities and believes its on-site used nuclear fuel storage capability is sufficient for the foreseeable future.

Corporate Information

Vistra is a Delaware corporation whose common stock is listed and trade on the NYSE. Our principal executive office is located at 6555 Sierra Drive, Irving, Texas 75039. The telephone number for our principal executive office is (214) 812-4600. We maintain a website located at www.vistracorp.com.

Available Information

We file our annual report on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and any amendments to those reports with the SEC. You may obtain copies of these documents, free of charge, on the SEC's website at www.sec.gov or on Vistra's website at www.vistracorp.com, as soon as reasonably practicable after they have been filed with or furnished to the SEC pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended. Vistra also posts important information, including press releases, investor presentations, sustainability reports, and notices of upcoming events on its website and utilizes its website as a channel of distribution to reach public investors and as a means of disclosing material non-public information for complying with disclosure obligations under Regulation FD. Investors may be notified of postings to our website by signing up for email alerts and RSS feeds on the "Investor Relations" page. The information on Vistra's website shall not be deemed a part of, or incorporated by reference into, this annual report on Form 10-K.

Item 1A. RISK FACTORS

Summary of Risk Factors

The following summarizes the principal factors that make an investment in our company speculative or risky, all of which are more fully described in the Risk Factors section below. This summary should be read in conjunction with the Risk Factors section and should not be relied upon as an exhaustive summary of the material risks facing our business. The following factors could result in harm to our business, financial condition, results of operations, cash flows, and prospects, among other impacts:

Market, Financial and Economic Risks

- Our revenues, results of operations and operating cash flows are affected by price fluctuations in the wholesale power market and other market factors beyond our control.
- We purchase natural gas, coal, fuel oil, and nuclear fuel for our generation facilities, and higher than expected fuel costs or disruptions in these fuel markets may have an adverse impact on, our costs, revenues, results of operations, financial condition and cash flows.
- We have retired, announced planned retirements of, and may be forced to retire or idle additional underperforming generation units which could result in significant costs and have an adverse effect on our operating results.
- Our assets or positions cannot be fully hedged against changes in commodity prices and **market heat rates**, **Market Heat Rates**, and hedging transactions may not work as planned or hedge counterparties may default on their obligations.
- Competition, changes in market structure, and/or state or federal interference in the wholesale and retail power markets, together with subsidized generation, may have a material adverse effect on our financial condition, results of operations and cash flows.
- Our results of operations and financial condition could be materially and adversely affected by energy market participants continuing to construct new generation facilities or expanding or enhancing existing generation facilities despite relatively low power prices and such additional generation capacity results in a reduction in wholesale power prices.
- Our liquidity needs could be difficult to satisfy, particularly during times of uncertainty in the financial markets or during times of significant fluctuation in commodity prices, and we may be unable to access capital on favorable terms or at all in the future, which could have a material adverse effect on us.
- The agreements and instruments governing our debt, including the Vistra Operations Credit Facilities and indentures, contain restrictions and limitations that could affect our ability to operate our business, our liquidity, and our results of operations, and any failure to comply with these restrictions could have a material adverse effect on us.
- We may not be able to complete future acquisitions on favorable terms or at all, successfully integrate future acquisitions into our business, or effectively identify and invest in value-creating businesses, assets or projects, which could result in unanticipated expenses and losses or otherwise hinder or delay our growth strategy.

- Our ability to achieve the expected growth of our Vistra Zero portfolio, consisting of our solar generation, battery ESS, and other renewables development projects, is subject to substantial capital requirements and other significant uncertainties.
- Tax legislation initiatives or challenges to our tax positions, or potential future legislation or the imposition of new or increased taxes or fees, could have a material adverse effect on our financial condition, results of operations and cash flows.
- We are required to pay the holders of TRA Rights for certain tax benefits, which amounts are expected to be substantial.

Regulatory and Legislative Risks

- Our businesses are subject to ongoing complex governmental regulations and legislation that have adversely impacted, and may in the future adversely impact, our businesses, results of operations, liquidity and financial condition.
- Our cost of compliance with existing and new environmental laws could have a material adverse effect on us.
- Pending or proposed laws or regulations, or the repeal of existing beneficial laws or regulations, including those proposed or implemented under the Biden administration, could have a material adverse effect on our businesses, results of operations, liquidity and financial condition.
- Changes to laws, rules or regulations related to market structures in the markets in which we participate may have a material adverse effect on our businesses, results of operation, liquidity and financial condition.
- We could be materially and adversely affected if current regulations are implemented or if new federal or state legislation or regulations are adopted to address global climate change, or if we are subject to lawsuits for alleged damage to persons or property resulting from greenhouse gas emissions.
- Litigation, legal proceedings, regulatory investigations or other administrative proceedings could expose us to significant liabilities and reputational damage that could have a material adverse effect on us.

Operational Risks

- Volatile power supply costs and demand for power have and could in the future adversely affect the financial performance of our retail businesses.
- Our retail operations are subject to significant competition from other REPs, which could result in a loss of existing customers and the inability to attract new customers.
- Cybersecurity attacks or technology systems failures could disrupt business operations and expose us to significant liabilities, reputational damage, loss of customers, and regulatory action.
- The operation of our businesses is subject to information security and operational technology risks, including cybersecurity breaches and failure of critical information and operations technology systems. Attacks on our infrastructure that breach cyber/data security measures could expose us to significant liabilities, reputational damage, regulatory action, and disrupt business operations, which could have a material adverse effect on us.
- We may suffer material losses, costs and liabilities due to operational risks, regulatory risks, and the risk of nuclear accidents arising from the ownership and operation of the Comanche Peak nuclear generation facility.
- The operation and maintenance of power generation facilities and related mining operations are capital intensive and involve significant risks that could adversely affect our results of operations, liquidity and financial condition.
- We may be materially and adversely affected by obligations to comply with federal and state regulations, laws, and other legal requirements that govern the operations, assessments, storage, closure, corrective action, disposal and monitoring relating to CCR.
- We have been and may in the future be materially and adversely affected by the effects of extreme weather conditions and seasonality.
- Events outside of our control, including an epidemic or outbreak of an infectious disease such as COVID-19, may materially adversely affect our business.

- Changes in technology, increased electricity conservation efforts, or energy sustainability efforts may reduce the value of our **generation facilities business**, **introduce new or emerging risks** and may otherwise have a material adverse effect on us.

Risks Related to Our Structure and Ownership of our Common Stock

- Evolving expectations from stakeholders, including investors, on ESG issues, including climate change and sustainability matters, and erosion of stakeholder trust or confidence could influence actions or decisions about our company and our industry and could adversely affect our business, operations, financial results, or stock price.
- We may not pay any dividends on our common stock in the future, and we may not realize the anticipated benefits of our share repurchase program.

Please carefully consider the following discussion of significant factors, events, and uncertainties that make an investment in our securities risky. These factors, in addition to others specifically addressed in Item 7. *Management's Discussion and Analysis of Financial Condition, and Results of Operations (MD&A)*, provide important information for the understanding of our forward-looking statements in this annual report on Form 10-K. If one or more of the factors, events and uncertainties discussed below or in the MD&A were to materialize, our business, results of operations, liquidity, financial condition, cash flows, reputation or prospects could be materially adversely affected. In addition, if one or more of such factors, events and uncertainties were to materialize, it could cause results or outcomes to differ materially from those contained in or implied by any forward-looking statement in this annual report on Form 10-K. There may be further risks and uncertainties that are not currently known or that are not currently believed to be material that may adversely affect our business, results of operations, liquidity, financial condition and prospects and the market price of our common stock in the future. The realization of any of these factors could cause investors in our securities (including our common stock) to lose all or a substantial portion of their investment.

Market, Financial and Economic Risks

Our revenues, results of operations and operating cash flows generally are affected by price fluctuations in the wholesale power market and other market factors beyond our control.

We are not guaranteed any rate of return on capital investments in our businesses. We conduct integrated power generation and retail electricity activities, focusing on power generation, wholesale electricity sales and purchases, retail sales of electricity and natural gas to end users and commodity risk management. Our wholesale and retail businesses are to some extent countercyclical in nature, particularly for the wholesale power and ancillary services supplied to the retail business. However, we do have a wholesale power position that is subject to wholesale power price moves, which may be significant. As a result, our revenues, results of operations and operating cash flows depend in large part upon wholesale market prices for electricity, natural gas, uranium, lignite, coal, fuel oil, and transportation in our regional markets and other competitive markets in which we operate and upon prevailing retail electricity rates, which may be impacted by, among other things, actions of regulatory authorities.

Market prices for power, capacity, ancillary services, natural gas, coal and fuel oil are unpredictable and may fluctuate substantially over relatively short periods of time. Unlike most other commodities, electric power can only be stored on a very limited basis and generally must be produced concurrently with its use. As a result, power prices are subject to significant volatility due to supply and demand imbalances, especially in the day-ahead and spot markets. Demand for electricity can fluctuate dramatically, creating periods of substantial under- or over-supply. Over-supply can occur as a result of the construction of new power generation sources, as we have observed in recent years. During periods of over-supply, electricity prices might be depressed. For example, the cost of electricity from renewable resources, such as solar, wind and battery ESS, has dropped substantially in recent years. In many instances, energy from these sources are bid into the relevant spot market at a price of zero or close to zero during certain times of the day, lowering the clearing price for all power wholesalers in such market. Also, at times there is political pressure, or pressure from regulatory authorities with jurisdiction over wholesale and retail energy commodity and transportation rates, to impose price limitations, bidding rules and other mechanisms to address volatility and other issues in these markets.

Extreme weather events can also materially impact power prices or otherwise exacerbate conditions or circumstances that result in volatility of power prices. For example, in February 2021, the U.S. experienced Winter Storm Uri and extreme cold temperatures in the central U.S., including Texas. This severe weather event substantially increased the demand for natural gas used in our electric power generation business, and the cold further limited the availability of renewable generation across the region contributing to extremely high market prices for natural gas and electricity, which resulted in substantial increases in the costs to procure sufficient fuel supply and increased collateral posting requirements. Winter Storm Elliott, in December 2022, **was another example** and **Winter Storm Heather, in January 2024, were other examples** of extreme weather across the U.S. that resulted in widespread wholesale power market volatility.

The majority of our facilities operate as "merchant" facilities without long-term power sales agreements. As a result, we largely sell electric energy, capacity and ancillary services into the wholesale energy spot market or into other wholesale and retail power markets on a short-term basis and are not guaranteed any rate of return on our capital investments. Consequently, there can be no assurance that we will be able to sell any or all of the electric energy, capacity or ancillary services from those facilities at commercially attractive rates or that our facilities will be able to operate profitably. We depend, in large part, upon prevailing market prices for power, capacity and fuel. Given the volatility of commodity power prices, to the extent we are unable to hedge or otherwise secure long-term power sales agreements for the output of our power generation facilities, our revenues and profitability will be subject to volatility, and our financial condition, results of operations and cash flows could be materially adversely affected.

We purchase natural gas, coal, fuel oil, and nuclear fuel for our generation facilities, and higher than expected fuel costs, volatility, or disruption in these fuel markets may have an adverse impact on our costs, revenues, results of operations, financial condition and cash flows.

We rely on natural gas, coal, fuel oil, and nuclear fuel for the majority of our power generation facilities. Delivery of these fuels to the facilities is dependent upon the continuing availability of such fuels and financial viability of contractual counterparties as well as upon the infrastructure (including mines, rail lines, rail cars, barge facilities, roadways, riverways and natural gas pipelines) available and functioning to serve each generation facility, and geopolitical risk, including the current Russia and Ukraine conflict and the potential for additional U.S. sanctions against Russia. Russia or other potential restrictions on Russian energy deliveries. See Item 7. *Management's Discussion and Analysis of Financial Condition, and Results of Operations – Significant Activities and Events, and Items Influencing Future Performance - Macroeconomic Conditions*. As a result, we have experienced, and remain subject to the risks of disruptions or curtailments in the production of power at our generation facilities if no fuel is available at any price, if a counterparty fails to perform or if there is a disruption in the fuel delivery infrastructure. Certain of our generation facilities rely on a limited number of counterparties, such as natural gas suppliers and railcar companies, to provide the necessary fuel. Disputes relating to or non-performance of contractual arrangements have resulted in, and may continue to result in adverse impacts to our costs, revenues, results of operations, financial condition, and cash flows.

As part of our strategy to mitigate the potential negative effects of commodity price volatility, we have sold forward a substantial portion of our expected power sales in the next three few years in order to lock in long-term prices. In order to hedge our obligations under these forward power sales contracts, we have entered into long-term and short-term contracts for the purchase and delivery of fuel. Many of the forward power sales contracts do not allow us to pass through changes in fuel costs or discharge the power sale obligations in the case of a disruption in fuel supply due to force majeure events or the default of a fuel supplier or transporter. Fuel costs (including diesel, natural gas, lignite, coal and nuclear fuel) are volatile, and the wholesale price for electricity power does not always change at the same rate as changes in fuel costs, and disruptions in our fuel supplies may therefore require us to find alternative fuel sources at costs which may be higher than planned, to find other sources of power to deliver to counterparties at a higher cost, or to pay damages to counterparties for failure to deliver power as contracted. Long-term and short-term contracts are subject to risk of non-delivery or claims of force majeure, which may impact our ability to economically recover the value of the contract. In addition, we purchase and sell natural gas and other energy related commodities, and volatility in these markets may affect costs incurred in meeting our obligations. Further, any changes in the costs of natural gas, coal, fuel oil, nuclear fuel or transportation rates and changes in the relationship between such costs and the market prices of power will affect our financial results. If we are unable to procure fuel for physical delivery at prices we consider favorable, or if we are unable to procure these fuels at all, our financial condition, results of operations and cash flows could be materially adversely affected. For example, supply challenges were among the primary drivers of the significant loss experienced in 2021 as a result of Winter Storm Uri.

We also buy significant quantities of fuel on a short-term or spot market basis. Prices for all of our fuels fluctuate, sometimes rising or falling significantly over a relatively short period of time. The price we can obtain for the sale of energy may not rise at the same rate, or may not rise at all, to match a rise in fuel or delivery costs. This may have a material adverse effect on our financial and operating performance. Volatility in market prices for fuel and electricity power results from, among other factors:

- demand for energy commodities and general economic conditions, including impacts of inflation and the relative strength or weakness of U.S. dollar compared to other currencies;
- volatility in commodity prices and the supply of commodities, including but not limited to natural gas, coal and fuel oil;
- volatility in market heat rates; Market Heat Rates;
- volatility in coal and rail transportation prices;
- volatility in nuclear fuel and related enrichment and conversion services;
- transmission or transportation disruptions, constraints, congestion, inoperability or inefficiencies of electricity, natural gas or coal transmission or transportation, or other changes in power transmission infrastructure;
- severe, sustained or unexpected weather conditions, including extreme cold, drought and limitations on access to water;
- seasonality;
- changes in electricity and fuel usage resulting from conservation efforts, changes in technology or other factors;
- illiquidity in the wholesale electricity power or other commodity markets;
- importation of liquified natural gas to certain markets;
- development and availability of new fuels, new technologies and new forms of competition for the production and storage of power, including competitively priced alternative energy sources or storage;
- changes in market structure and liquidity;
- changes in the way we operate our facilities, including curtailed operation due to market pricing, environmental regulations and legislation, safety or other factors;
- changes in generation capacity or efficiency;
- outages or otherwise reduced output from our generation facilities or those of our competitors;
- changes in electric capacity, including the addition of new supplies of power as a result of the development of new plants, expansion of existing plants, the continued operation of uneconomic power plants due to federal, state or local subsidies, or additional transmission capacity;
- local, regional, national, or global supply chain constraints or shortages;
- our creditworthiness and liquidity and the willingness of fuel suppliers and transporters to do business with us;
- changes in the credit risk, payment practices, or financial condition of market participants;
- changes in production and storage levels of natural gas, lignite, coal, uranium, diesel and other refined products;

- pandemics and epidemics (including the impacts thereto, or recovery therefrom), natural disasters, wars, sabotage, terrorist acts, embargoes and other catastrophic events; and
- changes in law, including judicial decisions, federal, state and local energy, environmental and other regulation and legislation.

See "Economic downturns would likely have a material adverse effect on our businesses" for a discussion of potential risks arising from current U.S. and global economic and geopolitical conditions.

We have retired, announced planned retirements of, and may be forced to retire or idle additional underperforming generation units which could result in significant costs and have an adverse effect on our operating results.

A sustained decrease in the financial results from, or the value of, our generation units has resulted in the retirement or planned retirement of, and ultimately could result in additional retirements or idling of, generation units. We have operated certain of our lignite- and coal-fueled generation assets only during parts of the year that have higher electricity demand and, therefore, higher related wholesale electricity prices. In connection with the closure and remediation of retired generation units, we have spent, and may in the future spend, a significant amount of money, internal resources and time to complete the required closure and reclamation, which could have a material adverse effect on our financial and operating performance.

Our assets or positions cannot be fully hedged against changes in commodity prices and market heat rates, Market Heat Rates, and hedging transactions may not work as planned, or counterparties may default on their obligations, which could have a material adverse impact on our business, financial condition, results of operations and cash flows.

Our hedging activities do not fully protect us against the risks associated with changes in commodity prices, most notably electricity and natural gas prices, because of the expected useful life of our generation assets and the size of our position relative to the duration of available markets for various hedging activities. Generally, commodity markets that we participate in to hedge our exposure to electricity prices and heat rates Market Heat Rates have limited liquidity after two to three years. Further, our ability to hedge our revenues by utilizing cross-commodity hedging strategies with natural gas hedging instruments is generally limited to a duration of four to five years. To the extent we have unhedged positions, fluctuating commodity prices and/or market heat rates Market Heat Rates can materially impact our results of operations, cash flows, liquidity and financial condition, either favorably or unfavorably.

To manage our financial exposure related to commodity price fluctuations, we routinely enter into contracts to hedge portions of purchase and sale commitments, fuel requirements and inventories of natural gas, lignite, coal, diesel fuel, uranium and refined products, and other commodities, within established risk management guidelines. As part of this strategy, we routinely utilize fixed-price forward physical purchase and sale contracts, futures, financial swaps and option contracts traded in over-the-counter markets or on exchanges. Given our exposure to risks of commodity price movements, we devote a considerable amount of time and effort to the establishment of risk management policies and procedures, as well as the ongoing review of the implementation of these policies and procedures. Additionally, we have processes and controls in place that are designed to monitor and accurately report hedging activities and positions. The policies, procedures, processes and controls in place may not always function as planned and cannot eliminate all the risks associated with these activities, including unauthorized hedging activity, or improper reporting thereof, by our employees in violation of our existing risk management policies and procedures. For example, we hedge the expected needs of our wholesale and retail customers, but unexpected changes due to weather, natural disasters, consumer behavior, market constraints or other factors could cause us to purchase electricity to meet unexpected demand in periods of high wholesale market prices or resell excess electricity into the wholesale market in periods of low prices. As a result of these and other factors, the impacts of our commodity hedging activities and risk management decisions may have a material adverse effect on our business, financial condition, results of operations and cash flows.

Based on economic and other considerations, including our available liquidity, we may not be able to, or we may decide not to, hedge the entire exposure of our operations to commodity price risk. To the extent we do not hedge against commodity price risk and applicable commodity prices change in ways adverse to us, we could be materially and adversely affected. To the extent we do hedge against commodity price risk, those hedges may ultimately prove to be ineffective. Additionally, there may be changes to existing laws or regulations that could significantly impact our ability to effectively hedge, which may have a material adverse effect on us.

With the continued tightening of credit markets that began in 2008 and expansion of regulatory oversight through various financial reforms, there has been a decline in the number of market participants in the wholesale energy commodities markets, resulting in less liquidity. Notably, participation by financial institutions and other intermediaries (including investment banks) in such markets has declined. Extended declines in market liquidity could adversely affect our ability to hedge our financial exposure to desired levels.

To the extent we engage in hedging and risk management, and power purchase agreement activities, we are exposed to the credit risk that counterparties that owe us money, energy or other commodities as a result of these activities will not perform their obligations to us. Should the counterparties to these arrangements fail to perform, we could be forced to enter into alternative hedging arrangements or honor the underlying commitment at then-current market prices. Additionally, our counterparties may seek bankruptcy protection under Chapter 11 or liquidation under Chapter 7 of the Bankruptcy Code. Our credit risk may be exacerbated to the extent collateral held by us cannot be realized or is liquidated at prices not sufficient to recover the full amount due to us. There can be no assurance that any such losses or impairments to the carrying value of our financial assets would not materially and adversely affect our financial condition, results of operations and cash flows. In such event, we could incur losses or forgo expected gains in addition to amounts, if any, already paid to the counterparties. Market participants in the ISOs/RTOs in which we operate are also exposed to risks that another market participant may default on its obligations to pay such ISO/RTO for electricity or services taken, in which case such costs, to the extent not offset by posted security and other protections available to such ISO/RTO, may be allocated to various non-defaulting ISO/RTO market participants, including us.

We do not apply hedge accounting to our commodity derivative transactions, which may cause increased volatility in our quarterly and annual financial results.

We engage in economic hedging activities to manage our exposure related to commodity price fluctuations through the use of financial and physical derivative contracts for commodities. These derivatives are accounted for in accordance with GAAP, which requires that we record all derivatives on the balance sheet at fair value with changes in fair value immediately recognized in earnings as unrealized gains or losses. GAAP permits an entity to designate qualifying derivative contracts as normal purchases and sales. If designated, those contracts are not recorded at fair value. GAAP also permits an entity to designate qualifying derivative contracts in a hedge accounting relationship. If a hedge accounting relationship is used, a significant portion of the changes in fair value is not immediately recognized in earnings. We have elected not to apply hedge accounting to our commodity contracts, and we have designated contracts as normal purchases and sales in only limited cases, such as certain retail sales contract portfolios. As a result, our quarterly and annual financial results in accordance with GAAP are subject to significant fluctuations caused by changes in forward commodity prices.

Competition, changes in market structure, and/or state or federal interference in the wholesale and retail power markets, together with subsidized generation, may have a material adverse effect on our financial condition, results of operations and cash flows.

Our generation and competitive retail businesses rely on a competitive wholesale marketplace. The competitive wholesale marketplace may be undermined by changes in market structure and out-of-market subsidies provided by federal or state entities, including bailouts of uneconomic plants, imports of power from Canada, renewable mandates or subsidies, as well as out-of-market payments to new generators. Multiple potential changes **have been and are currently** being evaluated by the PUCT and the Texas legislature for the ERCOT market, including the PCM that would align a required reliability standard with resource availability during higher-risk system conditions, the ultimate resolution of which is unknown.

Our power generation business competes with other non-utility generators, regulated utilities, unregulated subsidiaries of regulated utilities, other energy service companies and financial institutions in the sale of electric energy, capacity and ancillary services, as well as in the procurement of fuel, transmission and transportation services. Moreover, aggregate demand for power may be met by generation capacity based on several competing technologies, as well as power **generating generation** facilities fueled by alternative or renewable energy sources, including hydroelectric power, synthetic fuels, solar, wind, wood, geothermal, waste heat and solid waste sources. Regulatory initiatives designed to enhance and/or subsidize renewable generation increases competition from these types of facilities and out-of-market subsidies to existing or new generation can undermine the competitive wholesale marketplace, which can lead to premature retirement of existing facilities, including those owned by us.

We also compete against other energy merchants on the basis of our relative operating skills, financial position and access to credit sources. Electric energy customers, wholesale energy suppliers and transporters often seek financial guarantees, credit support such as letters of credit and other assurances that their energy contracts will be satisfied. Companies with which we compete may have greater resources or experience in these areas. Over time, some of our plants may become unable to compete because of subsidized generation, including public utility commission supported power purchase agreements, and the construction of new plants. Such new plants could have a number of advantages including more efficient equipment and newer technology that could result in fewer emissions or more advantageous locations on the electric transmission system. Additionally, these competitors may be able to respond more quickly to new laws and regulations because of the newer technology utilized in their facilities or the additional resources derived from owning more efficient facilities.

Other factors may contribute to increased competition in wholesale power markets. We expect that we will continue to face intense competition from numerous companies, including new entrants or consolidation of existing competitors, in the industry. Certain federal and state entities in jurisdictions in which we operate have either enacted or are considering regulations or legislation to subsidize otherwise uneconomic plants and attempt to incentivize, including through certain tax benefits, the construction and development of additional renewable resources as well as increases in energy efficiency investments. For example, the Inflation Reduction Act of 2022 contains a number of tax credits and incentives relating to renewable projects and clean energy technologies such as nuclear energy. New entrants or existing competitors may find it more economical to develop new renewable projects or invest in clean energy technologies in which we would like to invest. Subsidies (or increases thereto) to our competitors could result in increased competition for us, which could have a material adverse effect on our financial condition, results of operations and cash flows.

In addition, our retail marketing efforts compete for customers in a competitive environment, which impacts the margins that we can earn on the volumes we are able to serve. Further, with retail competition, it is easier for residential customers where we serve load to switch **to and from** competitive electricity generation suppliers for their energy needs. The volatility and uncertainty that results from such mobility may have material adverse effects on our financial condition, results of operations and cash flows. For example, if fewer customers switch to another supplier than anticipated, the load we must serve will be greater than anticipated, and if market prices of fuel have increased, our costs will increase more than expected due to the need to go to the market to cover the incremental supply obligation. If more customers switch to another supplier than anticipated, the load we must serve will be lower than anticipated and, if market prices of electricity have decreased, our operating results could suffer.

Our results of operations and financial condition could be materially and adversely affected by energy market participants continuing to construct new generation facilities or expanding or enhancing existing generation facilities despite relatively low power prices and such additional generation capacity results in a reduction in wholesale power prices.

Given the overall attractiveness of certain **of the** markets in which we operate and certain tax benefits associated with renewable energy, among other matters, energy market participants have continued to construct new generation facilities or invest in enhancements or expansions of existing generation facilities despite relatively low wholesale power prices. Assuming this market dynamic continues, our results of operations and financial condition could be materially and adversely affected if such additional generation capacity results in an over-supply of electricity that causes a reduction in wholesale power prices. Additionally, new or existing market participants without, or with less, fossil fuel operations may gain additional market share, or reduce our market share, due to evolving expectations and sentiments of key stakeholders, government, and regulatory authorities regarding our operations and activities.

Economic downturns would likely have a material adverse effect on our businesses.

Our results of operations may be negatively affected by sustained downturns or sluggishness in the economy, including lower prices for power, generation capacity and natural gas, which can fluctuate substantially. Increased unemployment of residential customers and decreased demand for products and services by commercial and industrial customers resulting from an economic downturn could lead to declines in the demand for energy and an increase in the number of uncollectible customer balances, which would negatively impact our overall sales and cash flows. The convergence of current global conditions, including sustained inflation, rising elevated interest rates, and the geopolitical climate, has and could lead to, or accelerate or exacerbate the occurrence of, a significant economic downturn, as well as changes in consumer and counterparty behavior, higher costs of capital, decreases in the value of our existing long-dated contracts, commodity price increases and volatility, supply chain shortages, and other adverse impacts to our business. Additionally, prolonged economic downturns that negatively impact our financial condition, results of operations and cash flows could result in future material impairment charges to write down the carrying value of certain assets to their respective fair values.

Our liquidity needs could be difficult to satisfy, particularly during times of uncertainty in the financial markets or during times of significant fluctuation in commodity prices, and we may be unable to access capital on favorable terms or at all in the future, which could have a material adverse effect on us. We currently maintain non-investment grade credit ratings that could negatively affect our ability to access capital on favorable terms or result in higher collateral requirements, particularly if our credit ratings were to be downgraded in the future.

Our businesses are capital intensive. In general, we rely on access to financial markets and credit facilities as a significant source of liquidity for our capital requirements, hedging transactions and other obligations not satisfied by cash-on-hand or operating cash flows. The inability to raise capital or to access credit facilities, particularly on favorable terms, could adversely impact our liquidity and our ability to meet our obligations or sustain and grow our businesses and could increase capital costs and collateral requirements, any of which could have a material adverse effect on us.

Our access to capital and the cost and other terms of acquiring capital are dependent upon, and could be adversely impacted by, various factors, including:

- general economic and capital markets conditions, including changes in financial markets that reduce available liquidity or the ability to obtain or renew credit facilities on favorable terms or at all;
 - conditions and economic weakness in the U.S. power markets;
 - regulatory developments;
 - changes in interest rates;
 - a deterioration, or perceived deterioration, of our creditworthiness, enterprise value or financial or operating results;
 - a downgrade of Vistra's or its applicable subsidiaries' credit ratings, or credit ratings of its issuances;
 - our level of indebtedness and compliance with covenants in our debt agreements;
 - our ability to meet our sustainability targets in our secured credit facilities;
 - a deterioration of the creditworthiness or bankruptcy of one or more lenders or counterparties under our credit facilities that affects the ability of such lender(s) to make loans to us;
 - credit, security, or collateral requirements, including those relating to volatility in commodity prices;
 - general credit availability from banks or other lenders for us and our industry peers;
 - investor and lender confidence in and sentiment of the industry, our business, and the wholesale electricity markets in which we operate;
 - a material breakdown in or oversight in effectuating our risk management procedures;
 - the occurrence of changes in our businesses;
-
- disruptions, constraints, or inefficiencies in the continued reliable operation of our generation facilities and ESSs; battery ESS; and
 - changes in or the operation of provisions of tax and regulatory laws.

There are also increasing financial risks for companies that own and operate fossil fuel generation as institutional lenders or other sources of capital have become more attentive to sustainable financing practices and some of them may seek commitments on emission reduction targets or expected use or proceeds when providing funding to, or decline to provide funding for companies who produce or utilize fossil fuel energy or that have higher levels of GHG emissions. We amended our Our Vistra Operations Credit Agreement to build in contains Sustainability Adjustments. These adjustments use baseline values from KPI Metrics and provide for decreases in the applicable credit spread adjustments and commitment fee rates if our reported metrics are a certain percentage below the baseline values, adjusted on a year to year year-to-year basis. Conversely, if our reported metrics are a certain percentage above the baseline values, adjusted on a year to year year-to-year basis, the applicable credit spread adjustments and fee rates are increased. Building in these adjustments to our credit agreement helps to show lenders we are committed to lowering our GHG emissions, but failing to meet the targets on a regular basis could be viewed negatively by such lenders. Additionally, the lending practices of institutional lenders have been the subject of intensive lobbying efforts in recent years, oftentimes public in nature, by environmental activists and others concerned about climate change not to provide funding for companies in the broader energy sector. Limitation Limitations on our access to, or increases in our cost of, capital could have a material adverse effect on us.

In addition, we currently maintain non-investment grade credit ratings. As a result, we may not be able to access capital on terms (financial or otherwise) as favorable as companies that maintain investment-grade credit ratings or we may be unable to access capital at all at times when the credit markets tighten. In addition, due to our non-investment

grade credit ratings, counterparties request collateral support (including cash or letters of credit) in order to enter into certain transactions with us.

A downgrade in long-term debt ratings generally causes borrowing costs to increase and the potential pool of investors to shrink and could trigger liquidity demands pursuant to contractual arrangements. Future transactions by Vistra or any of its subsidiaries, including the issuance of additional debt, could result in a temporary or permanent downgrade in our credit ratings.

Our indebtedness and the phaseout of LIBOR, or the replacement of LIBOR with a different reference rate, could adversely affect our ability in the future to raise additional capital to fund our operations. It could also expose us to the risk of increased interest rates and limit our ability to react to changes in the economy, or our industry, as well as impact our cash available for distribution.

As of **December 31, 2022** **December 31, 2023**, we had approximately **\$13.0 billion** **\$14.4 billion** of total indebtedness and approximately **\$12.6 billion** **\$10.9 billion** of indebtedness net of cash. Our debt could have negative consequences for our financial condition including:

- increasing our vulnerability to general economic and industry conditions;
- requiring a significant portion of our cash flows from operations to be dedicated to the payment of principal and interest on our indebtedness, therefore reducing our ability to pay dividends to holders of our common stock or to fund our operations, capital expenditures and future business opportunities;
- limiting our ability to enter into long-term power sales or fuel purchases which require credit support;
- limiting our ability to fund operations or future acquisitions;
- limiting our ability to repurchase shares under the share repurchase program;
- restricting our ability to make distributions or pay dividends with respect to our **capital common and preferred** stock and the ability of our subsidiaries to make distributions to us, in light of restricted payment and other financial covenants in our credit facilities and other financing agreements;
- inhibiting the growth of our stock price;
- exposing us to the risk of increased interest rates because certain of our borrowings, including borrowings under the Vistra Operations Credit Facilities, are at variable rates of interest, only a portion of which are hedged;
- limiting our ability to obtain additional financing for working capital including collateral postings, capital expenditures, debt service requirements, acquisitions and general corporate or other purposes; and
- limiting our ability to adjust to changing market conditions and placing us at a competitive disadvantage compared to our competitors who may have less debt.

We may not be successful in obtaining additional capital for these or other reasons. Furthermore, we may be unable to refinance or replace our existing indebtedness on favorable terms or at all upon the expiration or termination thereof. Our failure to obtain additional capital or enter into new or replacement financing arrangements when due may constitute a default under such existing indebtedness and may have a material adverse effect on our business, financial condition, results of operations and cash flows.

In July 2017, the United Kingdom's Financial Conduct Authority, which regulates LIBOR, announced that it intends to phase out LIBOR by the end of 2021. LIBOR is the interest rate benchmark used as a reference rate on a portion of our variable rate debt, including our revolving credit facility and interest rate swaps. In November 2020, ICE Benchmark Administration (IBA), the administrator of LIBOR, with the support of the U.S. Federal Reserve and the United Kingdom's Financial Conduct Authority, announced plans to consult on ceasing publication of USD LIBOR on December 31, 2021 for only the one-week and two-month USD LIBOR tenors, and on June 30, 2023 for all other USD LIBOR tenors. While this announcement extends the transition period to June 2023, the U.S. Federal Reserve concurrently issued a statement advising banks to stop new USD LIBOR issuances by the end of 2021. In light of these announcements, the future of LIBOR at this time is uncertain and any changes in the methods by which LIBOR is determined or regulatory activity related to LIBOR's phaseout could cause LIBOR to perform differently than in the past or cease to exist. Over the course of the last year, in anticipation of LIBOR ceasing to exist for affected tenors, we amended our revolving credit facilities to implement a change to SOFR as our primary reference rate. For our Vistra Operations Credit Agreement, we made this change in conjunction with an extension amendment. Certain lenders chose not to extend their commitments past the original maturity date. As a result, the commitments of those lenders remain subject to a LIBOR based rate. However, unless extended, those commitments, in the amount of \$200 million, shall terminate on June 14, 2023 and, assuming no extension of such commitments, at such time all of our revolving credit facilities shall be SOFR based. However, our Term Loan B-3 Facility, with a December 31, 2025 maturity date, remains LIBOR-based and may be subject to the LIBOR transition risks set forth above.

Further, certain of our agreements which utilize LIBOR as the referenced rate are governed by New York law, and certain of these contracts do not contain any fallback provisions or otherwise contain fallback provisions that lead to replacement rate based on LIBOR or require polling for interbank rates. To the extent that we are unsuccessful in our efforts to amend such contracts prior to the LIBOR transition, we anticipate that the applicable New York legislation would apply to such contracts and would provide a replacement rate for inclusion in such contracts.

Notwithstanding our efforts, these changes may result in interest rates and/or payments that do not correlate over time with the interest rates and/or payments that would have been made on our obligations if LIBOR was available in its current form. Any new contracts would need to reference an alternative benchmark rate or include suggested fallback language. Accordingly, we could be exposed to increased costs with respect to our variable rate debt, which could have an adverse impact on extensions of our credit and/or we might not be fully hedged on the variable rate exposure on our swapped indebtedness. Any such increased costs or exposure could increase our cost of capital and have a material adverse effect on us.

The agreements and instruments governing our debt, including the Vistra Operations Credit Facilities and indentures, contain restrictions and limitations that could affect our ability to operate our business, or liquidity, and results of operations, and any failure to comply with these restrictions could have a material adverse effect on us.

The agreements and instruments governing our debt, including the Vistra Operations Credit Facilities and indentures, contain restrictions that could adversely affect us by limiting our ability to operate our businesses and plan for, or react to, market conditions or to meet our capital needs and could result in an event of default under the Vistra

Operations Credit Facilities and/or indentures. The Vistra Operations Credit Facilities and indentures contain events of default customary for financings of this type. If we fail to comply with the covenants in the Vistra Operations Credit Facilities and/or indentures and are unable to obtain a waiver or amendment, or a default exists and is continuing, the lenders under such agreements or notes, as the case may be, could give notice and declare outstanding borrowings thereunder immediately due and payable. The breach of any covenants or obligations in certain agreements and instruments governing our debt, including the Vistra Operations Credit Facilities and indentures, not otherwise waived or amended, could result in a default under the applicable debt obligations and could trigger acceleration of those obligations, which in turn could trigger cross defaults under other agreements governing our debt, and any such acceleration of outstanding borrowings could have a material adverse effect on us.

Certain of our obligations are required to be secured by letters of credit, surety bonds, first liens, or cash, which increase our costs. If we are unable to provide such security, it may restrict our ability to conduct our business, which could have a material adverse effect on us.

We undertake certain hedging and commodity activities and enter into certain financing arrangements with various counterparties that require cash collateral or the posting of letters of credit which are at risk of being drawn down in the event we default on our obligations. We currently use margin deposits, prepayments, surety bonds, and letters of credit and first liens as credit support for commodity procurement and risk management activities. Future cash collateral requirements may increase based on the extent of our involvement in standard contracts and movements in commodity prices, the use of first lien collateral, and also based on our credit ratings and the general perception of creditworthiness in the markets in which we operate. In the case of commodity arrangements, the amount of such credit support that must be provided is typically is based on the difference between the price of the commodity in a given contract and the market price of the commodity. Significant movements in market prices can result in our being required to provide cash collateral and letters of credit in very large amounts. The effectiveness of our strategy may be dependent on the amount of collateral available to enter into or maintain these contracts, and liquidity requirements may be greater than we anticipate or will be able to meet. Without a sufficient amount of enough working capital or other sources of available liquidity to post as collateral, we may not be able to manage price volatility effectively or to implement our strategy. A material increase in the amount of letters of credit or cash collateral required to be provided to our counterparties may have a material adverse effect on us.

The Transactions (as defined below) remain subject to customary closing conditions which, if not satisfied or waived, would delay the Transactions or adversely impact our ability to complete the Transactions on the terms set forth in the Transaction Agreement (as defined below) or at all.

The completion of the Transactions remain subject to the satisfaction or waiver of customary closing conditions. These closing conditions may not be fulfilled in a timely manner or at all, and, accordingly, the Transactions may not be completed.

If we are unable to complete the Transactions, we still will incur and will remain liable for significant transaction costs, including legal, accounting, advisory and other costs relating to the Transactions. Also, depending upon the reasons for not completing the Transactions, we may be required to pay Energy Harbor a termination fee of \$225 million. If such a termination fee is payable, the payment could affect Vistra's share price.

Failure to consummate the Transactions as currently contemplated or at all could adversely affect the price of Vistra's common stock and our future business and financial results.

We cannot guarantee when or if these conditions will be satisfied or that the Transactions will be successfully completed. If the Transactions are not consummated, or are consummated on different terms than as contemplated by the Transaction Agreement, we could be adversely affected and subject to a variety of risks associated with the failure to consummate the Transactions, or to consummate the Transactions as contemplated by the Transaction Agreement, including:

- our stockholders may be prevented from realizing the anticipated potential benefits of the Transactions;
 - the market price of our common stock could decline significantly;
 - reputational harm due to the adverse public perception of any failure to successfully complete the Transactions;
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- under certain circumstances, we may be required to pay Energy Harbor a termination fee of up to \$225 million or reimburse Energy Harbor's expenses up to \$20 million; and
 - the attention of our management and employees may be diverted from their day-to-day business and operational matters and our relationships with our customers and suppliers may be disrupted as a result of efforts relating to attempting to consummate the Transactions.

Any delay in the consummation of the Transactions, any uncertainty about the consummation of the Transactions on terms other than those contemplated by the Transaction Agreement and any failure to consummate the Transactions could adversely affect our business, financial results and common stock price.

Following the completion of the Transactions, we may be unable to successfully integrate Energy Harbor's businesses with Vistra's nuclear and retail businesses and its Vistra Zero renewable and battery ESS projects or realize the anticipated synergies and other expected benefits of the Transactions on the anticipated timeframe or at all.

The Transactions involve the combination of Energy Harbor's nuclear and retail businesses with Vistra's nuclear and retail businesses and certain of Vistra Zero renewables and battery ESS projects under Vistra Vision. This new combination expects to benefit from certain cost savings, operating efficiencies and a growing renewables and battery ESS portfolio, some of which will take time to realize. We will be required to devote significant management attention and resources to the integration of our and Energy Harbor's business practices and operations into Vistra Vision. The potential difficulties we may encounter in building Vistra Vision include the following:

- the inability to successfully combine our nuclear, retail, renewables and battery storage business and Energy Harbor's nuclear and retail businesses in a manner that permits Vistra Vision to achieve the cost savings anticipated to result from the Transactions, which would result in the anticipated benefits of the Transactions not being realized in the timeframe currently anticipated or at all;
- the complexities associated with maintaining the second-largest competitive nuclear fleet in the U.S.;
- the complexities of combining two companies with different histories, geographic footprints and asset mixes;
- the complexities in combining two companies with separate technology systems;
- potential unknown liabilities and unforeseen increased expenses, delays or conditions associated with the Transactions;
- failure to perform by third-party service providers who provide key services for the combined company; and
- performance shortfalls as a result of the diversion of management's attention caused by completing the Transactions and integrating the companies' operations.

For all these reasons, it is possible that the integration process could result in the distraction of our management, the disruption of our ongoing business or inconsistencies in operations, services, standards, controls, policies and procedures, any of which could adversely affect our ability to maintain relationships with operators, vendors and employees, to achieve the anticipated benefits of the Transactions, or could otherwise materially and adversely affect its business and financial results.

We may not be able to complete future acquisitions on favorable terms or at all, successfully integrate future acquisitions into our business, or effectively identify and invest in value-creating businesses, assets or projects, which could result in unanticipated expenses and losses or otherwise hinder or delay our growth strategy.

As part of our growth strategy, including our desire to grow our retail platform, we may pursue acquisitions of assets or operating entities. This strategy depends on the Company's ability to successfully identify and evaluate acquisition opportunities and consummate acquisitions on favorable terms. Our ability to continue to implement this component of our growth strategy will be limited by our ability to identify appropriate acquisition or joint venture candidates and our financial resources, including available cash and access to capital. In addition, the Company will compete with other companies for these limited acquisition opportunities, which may increase the Company's cost of making acquisitions or limit the Company's ability to make acquisitions at all. Any expense incurred in completing acquisitions or entering into joint ventures, the time it takes to integrate an acquisition or our failure to integrate acquired businesses successfully could result in unanticipated expenses and losses. Furthermore, we may not be able to fully realize the anticipated benefits from any future acquisitions or joint ventures we may pursue. In addition, the process of integrating acquired operations into our existing operations may involve unknown risks, result in unforeseen operating difficulties and expenses, and may require significant financial resources that would otherwise be available for the execution of our business strategy. If the Company is unable to identify and consummate future acquisitions, it may impede the Company's ability to execute its growth strategy.

Our ability to achieve the expected growth of our Vistra Zero portfolio, consisting of our solar generation, battery ESS, and other renewables development projects, is subject to substantial capital requirements and other significant uncertainties.

We have a substantial capital allocation plan intended for investments in renewable assets, including solar development projects and ESSs, battery ESS. As part of our business strategy, we plan to continually assess potential strategic acquisitions or investments in renewable assets, emerging technologies and related projects. Notably, the Company's ability to successfully develop our current renewables projects, or in the future acquire additional renewable assets, may be impacted by the demand for and viability of renewable assets generally, which may vary depending on availability of projects and financing, as well as public policy, financial and tax mechanisms implemented at the state and federal levels to support the development of renewable assets. Various factors could result in increased costs or result in delays or cancellation of our current or future renewable projects, or the loss of, or declines in the value of, our investments in projects including, but not limited to, risks relating to siting, financing, engineering and construction, permitting, interconnection requests, federal and state regulatory approvals, new legislation or regulatory changes impacting the industry, commissioning delays, import tariffs, changes to federal income tax laws, economic events or factors, environmental and community concerns, availability of or requirements for additional funding, enhanced competition, or the potential for termination of the power sales contract as a result of a failure to meet certain milestones. Further, the recent proliferation of renewable projects has resulted in a large volume of interconnection requests submitted to grid operators, including the markets in which we operate, resulting in significant delays to the approval process and estimated completion dates for our projects and others. FERC and regional ISOs are working to address these backlogs, including with potential regulatory rule changes, which would change the interconnection process, the results of which are currently unknown. Additionally, the increased demand for construction of renewables projects, such as ESSs, battery ESS and solar projects, and other labor market and supply chain constraints have resulted, and may continue to result, in limited availability of qualified specialists, contractors, and necessary services or materials, leading to delays in and higher costs for the development and construction of our current and future planned projects. Should any of these factors occur, our financial position, results of operations, and cash flows could be adversely affected, or our future growth opportunities may not be realized as anticipated.

While certain of our subsidiaries are in various stages of developing and constructing solar generation facilities and ESSs, battery ESS and certain of these projects have signed long-term contracts or made similar arrangements for the sale of electricity, in other cases, our subsidiaries may enter into obligations in the development process even though the subsidiaries have not yet secured power purchase arrangements or other important elements for a successful project. If the project does not proceed as planned, our subsidiaries may remain obligated for certain liabilities even though the project will not be completed. Development is inherently uncertain and we may forgo certain development opportunities and we may undertake significant development costs before determining that we will not proceed with a particular project. We believe that capitalized costs for projects under development are recoverable; however, there can be no assurance that any individual project will be completed and reach commercial operation. If these development efforts are not successful, we may abandon a project under development and write off the costs incurred in connection with such project and could incur additional losses associated with any related contingent liabilities.

Circumstances associated with potential divestitures could adversely affect our results of operations and financial condition.

In evaluating our business and the strategic fit of our various assets, we may determine to sell one or more of such assets. Despite a decision to divest an asset, we may encounter difficulty in finding a buyer willing to purchase the asset at an acceptable price and on acceptable terms and in a timely manner. In addition, a prospective buyer may have difficulty obtaining financing. Divestitures could involve additional risks, including:

- difficulties in the separation of operations and personnel;
- the need to provide significant ongoing post-closing transition support to a buyer;

- management's attention may be temporarily diverted;
- the retention of certain current or future liabilities in order to induce a buyer to complete a divestiture;
- the obligation to indemnify or reimburse a buyer for certain past liabilities of a divested asset;
- the disruption of our business; and
- potential loss of key employees.

We may not be successful in managing these or any other significant risks that we may encounter in divesting any asset, which could adversely affect our results of operations and financial condition.

If our goodwill, intangible assets, or long-lived assets become impaired, we may be required to record a significant charge to earnings.

We have significant goodwill, intangible assets and long-lived assets recorded on our balance sheet. In accordance with U.S. GAAP, goodwill and non-amortizing intangible assets are required to be tested for impairment at least annually. Additionally, we review goodwill, our intangible assets and long-lived assets for impairment when events or changes in circumstances indicate the carrying value of the asset may not be recoverable. Factors that may be considered include a decline in future cash flows, slower growth rates in the energy industry, and a sustained decrease in the price of our common stock.

We performed our annual assessment of goodwill and non-amortizing intangibles in the fourth quarter of 2022 2023 and determined that no material impairment was required. However, impairment assessments will be performed in future periods and may result in an impairment loss, which could be material.

Issuances or acquisitions of our common stock, or sales or dispositions of our common stock by stockholders, that result in an ownership change as defined in Internal Revenue Code (IRC) §382 could further limit our ability to use certain tax attributes and our federal net operating losses to offset our future taxable income.

If an "ownership change," as defined in Section 382 of the IRC (IRC §382) occurs, the amount of NOLs that could be used in any one year following such ownership change could be substantially limited. In general, an "ownership change" would occur when there is a greater than 50 percentage point increase in ownership of a company's stock by stockholders, each of which owns (or is deemed to own under IRC §382) 5 percent or more of such company's stock. Given IRC §382's broad definition, an ownership change could be the unintended consequence of otherwise normal market trading in our stock that is outside our control. Vistra acquired NOLs from its merger with Dynegy; however, Vistra's use of such attributes is limited under IRC §382 because the merger constituted an "ownership change" with respect to Dynegy. If there is an "ownership change" with respect to Vistra (including by the normal trading activity of greater than 5% stockholders), the utilization of all NOLs existing at that time would be subject to additional annual limitations based upon a formula provided under IRC §382 that is based on the fair market value of the Company and prevailing interest rates at the time of the ownership change. In addition, any ownership change with respect to Vistra could result in additional limitations on our ability to use certain tax attributes, including depreciation, existing at the time of any such ownership change and have an impact on our tax liabilities and on our obligations under the TRA. liabilities.

Tax legislation initiatives or challenges to our tax positions, or potential future legislation or the imposition of new or increased taxes or fees, could have a material adverse effect on our financial condition, results of operations and cash flows.

We are subject to the tax laws and regulations of the U.S. federal, state and local governments. From time to time, legislative measures may be enacted that could adversely affect our overall tax positions regarding income or other taxes. There can be no assurance that our effective tax rate or tax payments will not be adversely affected by these legislative measures. The Tax Cuts and Jobs Act of 2017 (TCJA), enacted December 22, 2017, and the Inflation Reduction Act (IRA), enacted August 16, 2022, both introduced significant changes to current U.S. federal tax law. For example, the IRA includes the enactment of several new proposals, including, but not limited to (i) a corporate alternative minimum tax based on book income and (ii) additional requirements to qualify for enhanced renewable energy tax credits. These changes are complex and continue to be the subject of additional guidance issued by the U.S. Treasury and the Internal Revenue Service. In addition, the reaction to the federal tax changes by the individual states continues to evolve. Our interpretations and assumptions around U.S. tax reform may evolve in future periods as further administrative guidance and regulations are issued, which may materially affect our effective tax rate or tax payments.

U.S. federal, state and local tax laws and regulations are extremely complex and subject to varying interpretations. There can be no assurance that our tax positions will be sustained if challenged by relevant tax authorities and if not sustained, there could be a material impact on our results of operations and financial condition.

U.S. federal income tax reform and changes in other tax laws could adversely affect us. Additionally, states in which we operate or own assets may impose new or increased taxes or fees on various aspects of our operations. The passage of any legislation as a result of these proposals and other similar changes in U.S. federal income tax laws or the imposition of new or increased taxes or fees could have a material adverse effect on our financial condition, results of operations and cash flows.

We are required to pay the holders of TRA Rights for certain tax benefits, which amounts could be substantial.

On the Effective Date, we entered into the TRA with American Stock Transfer & Trust Company, LLC, as the transfer agent. Pursuant to the TRA, we issued beneficial interests in the rights to receive payments under the TRA (TRA Rights) to the first lien creditors of our Predecessor to be held in escrow for the benefit of the first lien creditors of our Predecessor entitled to receive such TRA Rights under the Plan of Reorganization. Our financial statements reflect a liability of \$522 million as of December 31, 2022 related to these future payment obligations (see Note 7 to the Financial Statements). This amount is based on certain assumptions as described more fully in the notes to the financial statements and the actual payments made under the TRA could be materially different than this estimate.

The TRA generally provides for the payment by us to the holders of TRA Rights of 85% of the amount of cash savings, if any, in U.S. federal, state and local income tax that we and our subsidiaries actually realize as a result of our use of (a) the tax basis step up attributable to the PrefCo Preferred Stock Sale, (b) the entire tax basis of the assets acquired as a result of the purchase and sale agreement, dated as of November 25, 2015 by and between La Frontera Ventures, LLC and Luminant, and (c) tax benefits related to imputed interest deemed to be paid by us as a result of payments under the TRA, plus interest accruing from the due date of the applicable tax return. The amount and timing of any payments under the TRA will vary depending upon a number of factors, including the amount and timing of the taxable income we generate in the future and the tax rate then applicable, our use of loss carryovers and the portion of our payments under the TRA constituting imputed interest.

Although we are not aware of any issue that would cause the IRS to challenge the tax benefits that are the subject of the TRA, recipients of the payments under the TRA will not be required to reimburse us for any payments previously made if such tax benefits are subsequently disallowed. As a result, in such circumstances, Vistra could make payments under the TRA that are greater than its actual cash tax savings. Any amount of excess payment can be used to reduce future TRA payments, but cannot be immediately recouped, which could adversely affect our liquidity.

Because Vistra is a holding company with no operations of its own, its ability to make payments under the TRA is dependent on the ability of its subsidiaries to make distributions to it. To the extent that Vistra is unable to make payments under the TRA because of the inability of its subsidiaries to make distributions to us for any reason, such payments will be deferred and will accrue interest until paid, which could adversely affect our results of operations and could also affect our liquidity in periods in which such payments are made.

The payments we will be required to make under the TRA could be substantial.

We may be required to make an early termination payment to the holders of TRA Rights under the TRA.

The TRA provides that, in the event that Vistra breaches any of its material obligations under the TRA, or upon certain mergers, asset sales, or other forms of business combination or certain other changes of control, the transfer agent under the TRA may treat such event as an early termination of the TRA, in which case Vistra would be required to make an immediate payment to the holders of the TRA Rights equal to the present value (at a discount rate equal to LIBOR plus 100 basis points) of the anticipated future tax benefits based on certain valuation assumptions.

As a result, upon any such breach or change of control, we could be required to make a lump sum payment under the TRA before we realize any actual cash tax savings and such lump sum payment could be greater than our future actual cash tax savings.

The aggregate amount of these accelerated payments could be materially more than our estimated liability for payments made under the TRA set forth in our financial statements, which could have a substantial negative impact on our liquidity.

Regulatory and Legislative Risks

Our businesses are subject to ongoing complex governmental regulations and legislation that have adversely impacted, and may in the future adversely impact, our businesses, results of operations, liquidity, financial condition, and cash flows.

Our businesses operate in changing market environments influenced by various state and federal legislative and regulatory initiatives regarding the restructuring of the energy industry, including competition in power generation and sale of electricity, natural gas, carbon offsets emissions and renewable energy certificates, and other commodities. Although we attempt to comply with changing legislative and regulatory requirements, there is a risk that we will fail to adapt to any such changes successfully or on a timely basis. Compliance with, or changes to, the requirements under these legal and regulatory regimes, including those proposed or implemented under the Biden current presidential administration or during any future change of administration, or any repeal of existing beneficial laws or regulations, may adversely impact our businesses, results of operations, liquidity, financial condition, and cash flows.

Our businesses are subject to numerous state and federal laws (including, but not limited to, PURA, Texas Public Utility Regulatory Act, the Federal Power Act, the Natural Gas Policy Act, the Atomic Energy Act, the Public Utility Regulatory Policies Act of 1978, the Clean Air Act (CAA), the Clean Water Act (CWA), the Resource Conservation and Recovery Act (RCRA), the Energy Policy Act of 2005, the Dodd-Frank Wall Street Reform and the Consumer Protection Act and the Telephone Consumer Protection Act), changing governmental policy and regulatory actions (including those of the FERC, the NERC, the RCT, the MSHA, the EPA, the NRC, the DOJ, the FTC, the CFTC, state public utility commissions and state environmental regulatory agencies), and the rules, guidelines and protocols of ERCOT, CAISO, ISO-NE, MISO, NYISO and PJM with respect to various matters, including, but not limited to, market structure and design, operation of nuclear generation facilities, construction and operation of other generation facilities, development, operation and reclamation of lignite mines, recovery of costs and investments, decommissioning costs, market behavior rules, present or prospective wholesale and retail competition, administrative pricing mechanisms (and adjustments thereto), rates for wholesale sales of electricity, mandatory reliability standards and environmental matters. We, along with other market participants, are subject to electricity pricing constraints and market behavior and other competition-related rules and regulations. Additionally, Ambit's direct selling business (i) could be found by federal, state or foreign regulators not to be in compliance with applicable law or regulations, which may lead to our inability to obtain or maintain a license, permit, or similar certification and (ii) may be required to alter its compensation practices in order to comply with applicable federal or state law or regulations. Changes in, revisions to, or reinterpretations of, existing laws and regulations may have a material adverse effect on our businesses, results of operations, liquidity, financial condition and cash flows.

Extreme weather events have resulted, and in the future may result, in efforts by both federal and state government and regulatory agencies to investigate and determine the causes of such events. For example, as a result of Winter Storm Uri, we received a civil investigative demand from the Attorney General of Texas as well as a request for information from ERCOT, NERC, and other regulatory bodies related to this event. The recent Winter Storm Elliott, in December 2022, has also led to regulatory requests for information and notices of investigation by NERC, FERC, regional reliability entities, and independent market monitors for regions across the country. Such efforts investigations have resulted, and in the future may result, in changes in laws or regulations that impact our industry and businesses including, but not limited to, additional requirements for

winterization of various facets of the electricity supply chain including generation, transmission, and fuel supply; improvements in coordination among the various participants in the electricity supply chain during any future event; restrictions or limitations on the types of plans permitted to be offered to customers; potential revisions to the method of calculation of market compensation and incentives relating to the continued operation of assets that only run periodically, including during extreme weather events or other times of scarcity; and other potential legislative and regulatory corrective actions that may be taken. Previously announced or future legal proceedings, regulatory actions, investigations, or other administrative proceedings involving market participants may lead to adverse determinations or other findings of violations of laws, rules, or regulations, any of which may impact the ability of market participants to satisfy, in whole or in part, their respective obligations. The Texas Legislature, the PUCT, and ERCOT have implemented new requirements and continue to consider future market design and other rule changes in response to Winter Storm Uri and other extreme weather events.

Finally, the regulatory environment has undergone significant changes in the last several years due to state and federal policies affecting wholesale and retail competition and the creation of incentives for the addition of large amounts of new renewable generation. For example, changes to, or development of, legislation that requires the use of clean renewable and alternate fuel sources or mandate the implementation of energy conservation programs that require the implementation of new technologies, could increase our capital expenditures and/or impact our financial condition. **Changes enacted by the Texas Legislature through Senate Bill 2627, the Powering Texas Forward Act, to administer Texas Energy Fund (TEF) programs, which include grants and loans to finance the construction, maintenance, modernization, and operation of electric facilities in Texas, may negatively impact our financial condition if it materially changes market fundamentals.** Additionally, in some retail energy markets, state legislators, government agencies and other interested parties have made proposals to change the use of market-based pricing, re-regulate areas of these markets that have previously been competitive, or permit electricity delivery companies to construct or acquire **generating generation** facilities. Other proposals to re-regulate the retail energy industry may be made, and legislative or other actions affecting electricity and natural gas deregulation or restructuring process may be delayed, discontinued or reversed in states in which we currently operate or may in the future operate. If such changes were to be enacted by a regulatory body, we may lose customers, incur higher costs and/or find it more difficult to acquire new customers. These changes are ongoing, and we cannot predict the future design of the wholesale power markets or the ultimate effect that the changing regulatory environment will have on our business.

We are required to obtain, and to comply with, government permits and approvals.

We are required to obtain, and to comply with, numerous permits and licenses from federal, state and local governmental agencies. The process of obtaining and renewing necessary permits and licenses can be lengthy and complex and can sometimes result in the establishment of conditions that make the project or activity for which the permit or license was sought unprofitable or otherwise unattractive. In addition, such permits or licenses may be subject to denial, revocation or modification under various circumstances. Failure to obtain or comply with the conditions of permits or licenses, or failure to comply with applicable laws or regulations, may result in the delay or temporary suspension of our operations and electricity sales or the curtailment of our delivery of electricity to our customers and may subject us to penalties and other sanctions. Although various regulators routinely renew existing permits and licenses, renewal of our existing permits or licenses could be denied or jeopardized by various factors, including (a) failure to provide adequate financial assurance for closure, (b) failure to comply with environmental, health and safety laws and regulations or permit conditions, (c) local community, political or other opposition and (d) executive, legislative or regulatory action.

Our inability to procure and comply with the permits and licenses required for our operations, or the cost to us of such procurement or compliance, could have a material adverse effect on us. In addition, new environmental legislation or regulations, if enacted, or changed interpretations of existing laws, may cause activities at our facilities to need to be changed to avoid violating applicable laws and regulations or elicit claims that historical activities at our facilities violated applicable laws and regulations. In addition to the possible imposition of fines in the case of any such violations, we may be required to undertake significant capital investments and obtain additional operating permits or licenses, which could have a material adverse effect on us.

Our cost of compliance with existing and new environmental laws could have a material adverse effect on us.

We are subject to extensive environmental regulation by governmental authorities, including federal and state environmental agencies and/or attorneys general. We may incur significant additional costs beyond those currently contemplated to comply with these regulatory requirements. If we fail to comply with these regulatory requirements, we could be subject to administrative, civil or criminal liabilities and fines. Existing environmental regulations could be revised or reinterpreted, new laws and regulations could be adopted or become applicable to us or our facilities, and future changes in environmental laws and regulations could occur, including potential regulatory and enforcement developments related to air emissions and CCR, all of which could result in significant additional costs beyond those currently contemplated to comply with existing requirements. Any of the foregoing could have a material adverse effect on us.

The EPA has recently finalized or proposed several regulatory actions establishing new requirements for control of certain emissions from sources, including electricity generation facilities. In the future, the EPA may also propose and finalize additional regulatory actions that may adversely affect our existing generation facilities or our ability to cost-effectively develop new generation facilities. There is no assurance that the currently installed emissions control equipment at our lignite, coal and/or natural gas-fueled generation facilities will satisfy the requirements under any future EPA or state environmental regulations. Some of the recent regulatory actions, such as the EPA's **proposed Cross-State Air Pollution Rule Update, Good Neighbor Plan for the ACE rule and any proposed or future actions 2015 Ozone NAAQS, May 2023 proposal to regulated GHG emissions that would replace the ACE rule, and actions under the Regional Haze program,** could require us to install significant additional control equipment, resulting in potentially material costs of compliance for our generation units, including capital expenditures, higher operating and fuel costs and potential production curtailments or plant retirements. These costs or operation impacts could have a material adverse effect on us.

We may not be able to obtain or maintain all required environmental regulatory approvals. If there is a delay in obtaining any required environmental regulatory approvals, if we fail to obtain, maintain or comply with any such approval or if an approval is retroactively disallowed or adversely modified, the operation of our generation facilities could be

stopped, disrupted, curtailed or modified or become subject to additional costs. Any such stoppage, disruption, curtailment, modification or additional costs could have a material adverse effect on us.

In addition, we may be responsible for any on-site liabilities associated with the environmental condition of facilities that we have acquired, leased, developed or sold, regardless of when the liabilities arose and whether they are now known or unknown. In connection with certain acquisitions and sales of assets, we may obtain, or be required to provide, indemnification against certain environmental liabilities. Another party could, depending on the circumstances, assert an environmental claim against us or fail to meet its indemnification obligations to us, which could have a material adverse effect on us.

We could be materially and adversely affected if new federal or state legislation or regulations are adopted to address global climate change that could require efforts that exceed or are more expensive than our currently planned initiatives or if we are subject to lawsuits for alleged damage to persons or property resulting from greenhouse gas emissions.

There is **attention and interest** **continuing emphasis** nationally and internationally **about on** global climate change and how GHG emissions, such as CO₂, contribute to global climate change. Over the last several years, the U.S. Congress has considered and debated several proposals intended to address climate change using different approaches, including a cap on carbon emissions with emitters allowed to trade unused emission allowances (cap-and-trade), a tax on carbon or GHG emissions, incentives for the development of low-carbon technology and federal renewable portfolio standards. In July 2019, the EPA finalized the ACE rule that developed emissions guidelines that states must use when developing plans to regulate GHG emissions from existing coal-fueled electric **generating generation** units. In January 2021, the ACE rule was vacated by the D.C. Circuit Court and remanded to the EPA for further consideration in accordance with the court's ruling. The D.C. Circuit Court's decision was appealed to the U.S. Supreme Court. In June 2022, the U.S. Supreme Court issued its decision in *West Virginia v. EPA*, in which it held that the EPA does not have the authority to apply generation shifting in the regulation of GHG emissions. The judgment reversed the D.C. Circuit Court's decision and remanded the case for further proceedings consistent with the U.S. Supreme Court's opinion. The EPA **may develop is in the process of developing** a more stringent and more encompassing rule to replace the ACE rule in its remand proceeding and has been directed by the Biden Administration to review this rule and others promulgated by the EPA during the Trump Administration. Prior to the vacatur and remand by the D.C. Circuit Court, states where we operate coal plants (Texas, Illinois and Ohio) had begun the development of their state plans to comply with the ACE rule. In addition, a number of federal court cases have been filed in recent years asserting damage claims related to GHG emissions, and the results in those proceedings could establish adverse precedent that might apply to companies (including us) that produce GHG emissions. We could be materially and adversely affected if new federal and/or state legislation or regulations are adopted to address global climate change that could require efforts that exceed or are more expensive than our currently planned initiatives or if we are subject to lawsuits for alleged damage to persons or property resulting from GHG emissions.

Additionally, in January 2021, President Biden issued written notification to the United Nations of the U.S.'s intention to rejoin the Paris Agreement, effective in February 2021. Although the Paris Agreement does not create any binding obligations for nations to limit their GHG emissions, it does include pledges to voluntarily limit or reduce future emissions, and various corporations, investors and U.S. states and local governments have previously pledged to further the goals of the Paris Agreement. Additionally, the Biden Administration has directed certain agencies to submit a plan to the National Climate Task Force to achieve a carbon-pollution-free electricity sector by 2035. The Company's plan to transition to clean power generation sources and reduce its GHG emissions may not be completed in this timeframe and we may not otherwise achieve our sustainability and emissions reduction targets as expected. Accordingly, we may be required to accelerate or change our targets, incur additional expenses, and/or adjust or cease certain operations as a result of newly implemented federal and/or state regulations to reduce future carbon emissions.

Luminant's mining operations are subject to RCT oversight.

We currently own and operate, or are in the process of reclaiming, various surface lignite coal mines in Texas to provide fuel for our electricity generation facilities. We also own or lease, and are in the process of reclaiming, multiple waste-to-energy surface facilities in Pennsylvania. The RCT, which exercises broad authority to regulate reclamation activity, reviews on an ongoing basis whether Luminant is compliant with RCT rules and regulations and whether it has met all the requirements of its mining permits in Texas. Any new rules and regulations adopted by the RCT or the Department of Interior Office of Surface Mining, which also regulates mining activity nationwide, or any changes in the interpretation of existing rules and regulations, could result in higher compliance costs or otherwise adversely affect our financial condition or cause a revocation of a mining permit. Any revocation of a mining permit would mean that Luminant would no longer be allowed to mine lignite at the applicable mine to serve its generation facilities.

Luminant's lignite mining reclamation activity will require significant resources as existing and retired mining operations are reclaimed over the next several years.

In conjunction with Luminant's announcements in 2017 to retire several power generation assets and related mining operations, along with the continuous reclamation activity at its continuing mining operations for its mines related to the Oak Grove generation asset, Luminant is expected to spend a significant amount of money, internal resources and time to complete the required reclamation activities. For the next five years, Vistra is projected to spend approximately **\$234 million** **\$245 million** (on a nominal basis) to achieve its mining reclamation objectives.

Litigation, legal proceedings, regulatory investigations or other administrative proceedings could expose us to significant liabilities and reputational damage that could have a material adverse effect on us.

We are involved in the ordinary course of business in a number of lawsuits involving, among other matters, employment, commercial, and environmental issues, and other claims for injuries and damages. We evaluate litigation claims and legal proceedings to assess the likelihood of unfavorable outcomes and to estimate, if possible, **the amount of** potential losses. Based on these evaluations and estimates, when required by applicable accounting rules, we establish reserves and disclose the relevant litigation claims or legal proceedings, as appropriate. These evaluations and estimates are based on the information available to management at the time and involve a significant amount of judgment. Actual outcomes or losses may differ materially from current evaluations and estimates. The settlement or resolution of such claims or proceedings may have a material adverse effect on us. We use appropriate means to contest litigation threatened or filed against us, but the litigation environment poses a significant business risk.

We are also involved in the ordinary course of business in regulatory investigations and other administrative proceedings, and we are exposed to the risk that we may become the subject of additional regulatory investigations or administrative proceedings. While As we cannot predict adopt new technologies, like artificial intelligence (AI), there is a risk that the outcome of any regulatory investigation content, analyses, recommendations, or administrative proceeding, any judgments that AI applications assist in producing are alleged to be deficient, inaccurate, biased, or infringe on other's rights or property interests. Any such regulatory investigation or administrative proceeding could result in us incurring material penalties and/or and other costs and which may have a materially material adverse effect on us.

Our retail businesses, which each have REP certifications that are subject to review of the public utility commissions in the states in which we operate, are subject to changing state rules and regulations that could have a material impact on the profitability of our business.

The competitiveness of our U.S. retail businesses partially depends on state regulatory policies that establish the structure, rules, terms and conditions on which services are offered to retail customers. Specifically, the public utility commissions and/or the attorney generals of the various jurisdictions in which the Retail segment operates may at any time initiate an investigation into whether our retail operations comply with certain commission rules or state laws and whether we have met the requirements for REP certification, including financial requirements. These state policies and investigations, which can include controls on the retail rates our retail businesses can charge, the imposition of additional costs on sales, restrictions on our ability to obtain new customers through various marketing channels and disclosure requirements, investigations into whether our retail operations comply with certain commission rules or state laws and whether we have met the requirements for REP certification, including financial requirements, can affect the competitiveness of our retail businesses. Any removal or revocation of a REP certification would mean that we would no longer be allowed to provide electricity service to retail customers in the applicable jurisdiction, and such decertification could have a material adverse effect on us. Additionally, state or federal imposition of net metering or renewable portfolio standard programs can make it more or less expensive for retail customers to supplement or replace their reliance on grid power. Our retail businesses may have limited ability to influence development of these state rules, regulations and policies, and our business model may be more or less effective, depending on changes to the regulatory environment.

Operational Risks

Volatile power supply costs and demand for power have and could in the future adversely affect the financial performance of our retail businesses.

Although we are the primary provider of our retail businesses' wholesale electricity supply requirements, our retail businesses purchase a portion of their supply requirements from third parties. As a result, the financial performance of our retail business depends on their ability to obtain adequate supplies of electric generation from third parties at prices below the prices they charge their customers. Consequently, our earnings and cash flows could be adversely affected in any period in which the retail businesses' wholesale electricity supply costs rise at a greater rate than the rates they charge to customers. The price of wholesale electricity supply purchases associated with the retail businesses' energy commitments can be different than that reflected in the rates charged to customers due to, among other factors:

- varying supply procurement contracts used and the timing of entering into related contracts;
- subsequent changes in the overall price of natural gas;
- daily, monthly or seasonal fluctuations in the price of natural gas relative to the 12-month forward prices;
- transmission constraints and the Company's ability to move power to our customers;
- out-of-market payments, uplifts, or other non-pass through charges, and
- changes in market heat rate. Market Heat Rate.

The retail businesses' earnings and cash flows could also be adversely affected in any period in which their customers' actual usage of electricity significantly varies from the forecasted usage, which could occur due to, among other factors, weather events, transmission and distribution outages, demand-side management programs, competition and economic conditions, or extreme weather events, such as Winter Storm Uri in February 2021.

Our retail operations are subject to significant competition from other REPs, which could result in a loss of existing customers and the inability to attract new customers.

We operate in a very competitive retail market and, as a result, where our retail operation faces significant competition for customers. We believe our brands are viewed favorably in the retail electricity these markets, in which we operate, but despite our commitment to providing superior customer service and innovative products, customer sentiment toward our brands, including by comparison to our competitors' brands, depends on certain factors beyond our control. For example, competitor REPs may offer different products, lower electricity prices and other incentives, which, despite our long-standing relationship with many customers, may attract customers away from us. If we are unable to successfully compete with competitors in the retail market it is possible our retail customer counts could decline, which could have a material adverse effect on us.

As we try to grow our retail business and operate our business strategy, we compete with various other REPs that may have certain advantages over us. For example, in new markets, our principal competitor for new customers may be the incumbent REP, which has the advantage of long-standing relationships with its customers, including well-known brand recognition. In addition to competition from the incumbent REP, we may face competition from a number of other energy service providers, other energy industry participants, or nationally branded providers of consumer products and services who may develop businesses that will compete with us. Some of these competitors or potential competitors may be larger than we are or have greater resources or access to capital than we have. If there is inadequate potential margin in Competitors may also incorporate AI into their businesses, services, and products more quickly or more successfully than we do. In retail electricity markets with substantial competition, to overcome the adverse effect of relatively high customer acquisition costs in such markets, may outweigh the potential margin and it may not be profitable for us to compete in these markets.

Our retail operations rely on the infrastructure of local utilities or independent transmission system operators to provide electricity to, and to obtain information about, our customers. Any infrastructure failure could negatively impact customer satisfaction and could have a material adverse effect on us.

The substantial majority of our retail operations depend on transmission and distribution facilities owned and operated by unaffiliated utilities to deliver the electricity that we sell to our customers. If transmission capacity is inadequate, our ability to sell and deliver electricity may be hindered and we may have to forgo sales or buy more expensive wholesale electricity than is available in the capacity-constrained area or, with respect to capacity performance in PJM and performance incentives in ISO-NE, we may be subject to significant penalties. For example, during some periods, transmission access is constrained in some areas of the Dallas-Fort Worth metroplex, where we have a significant number of customers. The cost to provide service to these customers may exceed the cost to provide service to other customers, resulting in lower operating margins. In addition, any infrastructure failure that interrupts or impairs delivery of electricity to our customers could negatively impact customer satisfaction with our service. Any of the foregoing could have a material adverse effect on us.

The operation of our businesses is subject to advanced persistent cyber-based security threats. Cybersecurity attacks or technology systems failures could disrupt business operations and integrity risk. Attacks on our infrastructure that breach cyber/data security measures could expose us to significant liabilities, reputational damage, loss of customers, and regulatory action, and disrupt business operations, which could have a material adverse effect on us.

Numerous functions affecting the efficient operation of our businesses are dependent on the secure and reliable storage, processing and communication of electronic data and the use of sophisticated computer hardware and software systems and much of our information technology infrastructure is connected (directly or indirectly) to the internet. Our information technology systems and infrastructure, and those of our vendors and suppliers, are susceptible to face constant threats which have in the past and could in the future compromise data confidentiality, integrity, or availability. While we have controls in place designed to protect our information technology (IT) infrastructure, such breaches and threats are becoming increasingly sophisticated and complex, requiring the continuing evolution of our program. Any such A breach or similar event that impairs our information technology infrastructure IT incident could disrupt normal business operations and affect our ability to control use our generation assets, maintain confidentiality, availability and integrity of our restricted data, access retail customer information, and limit or communication with third parties, systems, which could have a material adverse effect on us.

As part of the continuing development of new Potential disruptions from cyber/data and modified reliability standards, the FERC has approved changes physical security breaches to its Critical Infrastructure Protection reliability standards and has established standards for assets identified as "critical cyber assets." Under assets that interrupt the Energy Policy Act delivery of 2005, power to the FERC can impose Bulk Electric System could incur penalties (up of up to \$1 million per day, per violation) violation for failure to comply with mandatory electric reliability standards including standards to protect by FERC under the power system against potential disruptions from cyber/data and physical security breaches. Energy Policy Act of 2005.

Further, our retail business requires us to regularly access, collect, store, and transmit customer data, including sensitive customer data in the ordinary course of business. Concerns about data privacy and data protection have led to increased regulation and other actions that could impact our businesses and changes in data. New data privacy and data protection laws and regulations, or any increased enforcement, and other government actions could impact our businesses and failure to comply with such laws and regulations them could adversely affect our business and financial results. Our retail business may need to provide access to customer data, including sensitive customer data, to vendors third parties and service providers who require access to this information in order to provide services, such as call center operations, to operations. Under new data protection laws, in certain circumstances, Vistra could incur liability for a third-party or service provider's misuse or loss of the retail business. data.

Although we take precautions to protect our infrastructure, we have been, and will likely continue to be, subject to attempts at phishing and other cybersecurity intrusions. International conflict increases the risk of state-sponsored cyber threats and escalated use of cybercriminal and cyber-espionage activities. In particular, the current geopolitical climate has further escalated cybersecurity risk, with various government agencies, including the Federal Bureau of Investigation (FBI) and the U.S. Cybersecurity & Infrastructure Security Agency, issuing warnings of increased cyber threats, particularly for U.S. critical infrastructure. While As of the date of this report, the Company has not experienced identified a cyber/data event causing any material operational, reputational or financial impact. However, we recognize the growing threat within the general marketplace and our industry, and there especially as generative AI becomes more widely used by threat actors. There is no assurance that we will be able to prevent any such impacts in the future. If in the event of a material cyber breach, of our information technology systems were to occur, the critical operational capabilities and reputation of our business may be adversely affected, customer confidence may be diminished, and our business may be subject to substantial legal or regulatory scrutiny and claims, any of which may contribute to potential legal or regulatory actions against the Company, loss of customers and otherwise have a material adverse effect on us. Any loss or disruption of critical operational capabilities to support our generation, commercial, or retail operations loss of customers, could be disrupted or loss of lost. Additionally, customer, confidential, or proprietary data through a breach, unauthorized access, disruption, misuse could be compromised, misused, or disclosure inappropriately disclosed. If critical operational capabilities or data were impacted, it could adversely affect our reputation, diminish customer confidence, expose us to material legal or regulatory claims, and impair our ability to execute our business strategy, or impact our results of operation or financial condition, which could have a material adverse effect on us. In addition, we may experience increased capital and operating costs to implement increased security for our information technology infrastructure. We cannot provide any assurance that such events and impacts will not be material in the future, and our Our efforts to deter, identify, and mitigate future breaches may require additional, significant capital and operating costs and may not be successful.

We may suffer material losses, costs and liabilities due to operation risks, regulatory risks, and the risk of nuclear accidents arising from the ownership and operation of the Comanche Peak nuclear generation facility.

We own and operate a nuclear generation facility in Glen Rose, Texas (Comanche Peak Facility). The ownership and operation of a nuclear generation facility involves certain risks. These risks include:

- unscheduled outages or unexpected costs due to equipment, mechanical, structural, cybersecurity, insider threat, third-party compromise or other problems;
- inadequacy or lapses in maintenance protocols;
- the impairment of reactor operation and safety systems due to human error or force majeure;
- the costs of, and liabilities relating to, storage, handling, treatment, transport, release, use and disposal of radioactive materials;
- the costs of procuring nuclear fuel, including impacts from restrictions on imports from Russia or China; China (see Item 7. Management's Discussion and Analysis of Financial Condition, and Results of Operations – Significant Activities and Events, and Items Influencing Future Performance– Macroeconomic Conditions);

- the costs of storing and maintaining spent nuclear fuel at our on-site dry cask storage facility;
- terrorist or cybersecurity attacks by nation-states or other threat actors and the cost to protect and recover against any such attack;
- the impact of a natural disaster;
- limitations on the amounts and types of insurance coverage commercially available; and
- uncertainties with respect to the technological and financial aspects of modifying or decommissioning nuclear facilities at the end of their useful lives.

Any prolonged unavailability of the Comanche Peak Facility could have a material adverse effect on our results of operation, cash flows, financial position and reputation. The following are among the more significant related risks:

- **Operational Risk** — Operations at any generation facility could degrade to the point where the facility would have to be shut down. If such degradations were to occur at the Comanche Peak Facility, the process of identifying and correcting the causes of the operational downgrade to return the facility to operation could require significant time and expense, resulting in both lost revenue and increased fuel and purchased power expense to meet supply commitments. Furthermore, a shut-down or failure at any other nuclear generation facility could cause regulators to require a shut-down or reduced availability at the Comanche Peak Facility.
- **Regulatory Risk** — The NRC may modify, suspend or revoke licenses and impose civil penalties for failure to comply with the Atomic Energy Act, the regulations under it or the terms of the licenses of nuclear generation facilities. Unless extended, as to which no assurance can be given, the NRC operating licenses for the two licensed operating units at the Comanche Peak Facility will expire in 2030 and 2033, respectively. Changes in regulations by the NRC, as well as any extension of our operating licenses, could require a substantial increase in capital expenditures or result in increased operating or decommissioning costs.
- **Nuclear Accident Risk** — Although the safety record of the Comanche Peak Facility and other nuclear generation facilities generally has been very good, accidents and other unforeseen problems have occurred both in the U.S. and elsewhere. The consequences of an accident can be severe and include loss of life, injury, lasting negative health impacts and property damage. Any accident, or perceived accident, could result in significant liabilities and damage our reputation. Any such resulting liability from a nuclear accident could exceed our resources, including insurance coverage, and could ultimately result in the suspension or termination of power generation from the Comanche Peak Facility.

The operation and maintenance of power generation facilities and related mining operations are capital intensive and involve significant risks that could adversely affect our results of operations, liquidity and financial condition.

The operation and maintenance of power generation facilities and related mining operations involve many risks, including, as applicable, start-up risks, breakdown or failure of facilities, equipment or processes, operator error, lack of sufficient capital to maintain the facilities, the dependence on a specific fuel source, the ability to timely obtain parts for equipment repairs, the inability to transport our product to our customers in an efficient manner due to the lack of transmission capacity or the impact of unusual or adverse weather conditions or other natural events, or terrorist attacks, as well as the risk of performance below expected levels of output, efficiency or reliability, the occurrence of any of which could result in substantial lost revenues and/or increased expenses. A significant number of our facilities were constructed many years ago. Older generating generation equipment, even if maintained or refurbished in accordance with good engineering practices, may require significant capital expenditures to operate at peak efficiency or reliability. The risk of increased maintenance and capital expenditures arises from (a) increased starting and stopping of generation equipment due to the volatility of the competitive generation market and the prospect of continuing low wholesale electricity prices that may not justify sustained or year-round operation of all our generation facilities, (b) any unexpected failure to generate power, including failure caused by equipment breakdown or unplanned outage (whether by order of applicable governmental regulatory authorities, the impact of weather events or natural disasters or otherwise), (c) damage to facilities due to storms, natural disasters, wars, terrorist or cyber/data security acts, cybersecurity attacks, including nation-state attacks or organized cyber cybercrime and other catastrophic events and (d) the passage of time and normal wear and tear. Further, our ability to successfully and timely complete routine maintenance or other capital projects at our existing facilities is contingent upon many variables and subject to substantial risks. Should any such efforts be unsuccessful, we could be subject to additional costs or losses and write downs of our investment in the project.

We cannot be certain of the level of capital expenditures that will be required due to changing environmental and safety laws and regulations (including changes in the interpretation or enforcement thereof), needed facility repairs and unexpected events (such as environmental impacts, natural disasters or terrorist or cyber/data security attacks), repairs. The unexpected requirement of large capital expenditures could have a material adverse effect on us. Moreover, if we significantly modify a unit, we may be required to install the best available control technology or to achieve the lowest achievable emission rates as such terms are defined under the new source review provisions of the CAA, which would likely result in substantial additional capital expenditures.

In addition, unplanned outages at any of our generation facilities, whether because of equipment breakdown or otherwise, typically increase our operation and maintenance expenses and may reduce our revenues as a result of selling fewer MWh or non-performance penalties or require us to incur significant costs as a result of running one of our higher cost units or to procure replacement power at spot market prices in order to fulfill contractual commitments. If we do not have adequate liquidity to meet margin and collateral requirements, we may be exposed to significant losses, may miss significant opportunities and may have increased exposure to the volatility of spot markets, which could have a material adverse effect on us. Further, our inability to operate our generation facilities efficiently, manage capital expenditures and costs, and generate earnings and cash flows from our asset-based businesses could have a material adverse effect on our results of operations, financial condition or cash flows. While we maintain insurance, obtain warranties from vendors and obligate contractors to meet certain performance levels, the proceeds of such insurance, warranties or performance guarantees may not be adequate to cover our lost revenues, increased expenses or liquidated damages payments should we experience equipment breakdown or non-performance by contractors or vendors.

Operation of power generation facilities involves significant risks and hazards customary to the power industry that could have a material adverse effect on our revenues and results of operations, and we may not have adequate insurance to cover these risks and hazards. Our employees, contractors, customers and the general public may be exposed to a risk of injury due to the nature of our operations.

Power generation involves hazardous activities, including acquiring, transporting and unloading fuel, operating large pieces of equipment and delivering electricity to transmission and distribution systems. In addition to natural risks such as extreme weather, earthquake, flood, lightning, hurricane and wind, other human-made hazards, such as nuclear accidents, dam failure, gas or other explosions, mine area collapses, fire, structural collapse, machinery failure and other dangerous incidents are inherent risks in our operations. These and other hazards can cause significant personal injury or loss of life, severe damage to and destruction of property, plant and equipment, contamination of, or damage to, the environment and suspension of operations. Further, our employees and contractors work in, and customers and the general public may be exposed to, potentially dangerous environments at or near our operations. As a result, employees, contractors, customers and the general public are at risk for serious injury, including loss of life.

The occurrence of any one of these events may result in us being named as a defendant in lawsuits asserting claims for substantial damages, including for environmental cleanup costs, personal injury and property damage and fines and/or penalties. We maintain an amount of insurance protection that we consider adequate, but we cannot provide any assurance that our insurance will be sufficient or effective under all circumstances and against all hazards or liabilities to which we may be subject and, even if we do have insurance coverage for a particular circumstance, we may be subject to a large deductible and maximum cap. A successful claim for which we are not fully insured could hurt our financial results and materially harm our financial condition. Further, due to rising insurance costs and changes in the insurance markets, including increasing pressure on firms that provide insurance to companies that own and operate fossil fuel generation, we cannot provide any assurance that our insurance coverage will continue to be available at all or at rates or on terms similar to those presently available. Any losses not covered by insurance could have a material adverse effect on our financial condition, results of operations or cash flows.

We have been and may in the future be materially and adversely affected by obligations to comply with federal and state regulations, laws, and other legal requirements that govern the operations, assessments, storage, closure, corrective action, disposal and monitoring relating to CCR.

As a result of electricity produced for decades at coal-fueled power plants in Illinois, Texas and Ohio, we manage large amounts of CCR material in surface impoundments. In addition to the federal requirements under the CCR rule, CCR surface impoundments will continue to be regulated by existing state laws, regulations and permits, as well as additional legal requirements that may be imposed in the future. These federal and state laws, regulations and other legal requirements may require or result in additional expenditures, increased operating and maintenance costs and/or result in closure of certain power generating facilities, which could affect the results of operations, financial position and cash flows of the Company. We have recognized ARO related to these CCR-related requirements. As the closure and CCR management work progresses and final closure plans and corrective action measures are developed and approved at each site, the scope and complexity of work and the amount of CCR material could be greater than current estimates and could, therefore, materially impact earnings through increased compliance expenditures.

The EPA has been directed by the Biden Administration to review a number of environmental rules adopted by the EPA during the Trump Administration, including the CCR rule, the ELG rule, the ACE rule and the particulate matter (PM) and NAAQS rules. All of these rules may significantly and adversely impact our existing coal fleet and may lead to accelerated plant closure timeframes. In addition, the new GHG rule expected replacement to be finalized this year and the ACE PM2.5 NAAQS rule and released this year along with other NAAQS also that may be issued in the future have the potential to adversely impact our natural gas-fired units.

The EPA is reviewing applications submitted by us to extend closure deadlines for many of our CCR impoundments. The scope and cost of that closure work could increase significantly based on new or potential requirements imposed by the EPA or state agencies, including the EPA's interpretations on requirements for closure of CCR units. There is no assurance that our current assumptions for closure activities will be accepted by the EPA, EPA or state agencies. If ponds must be closed sooner than anticipated, plant closures timeframes may be accelerated.

The availability and cost of emission allowances could adversely impact our costs of operations.

We are required to maintain, through either allocations or purchases, sufficient emission allowances for SO₂, CO₂ and NO_x to support our operations in the ordinary course of operating our power generation facilities. These allowances are used to meet the obligations imposed on us by various applicable environmental laws. If our operational needs require more than our allocated allowances, we may be forced to purchase such allowances on the open market, which could be costly. If we are unable to maintain sufficient emission allowances to match our operational needs, we may have to curtail our operations so as not to exceed our available emission allowances or install costly new emission controls. As we use the emission allowances that we have purchased on the open market, costs associated with such purchases will be recognized as operating expense. If such allowances are available for purchase, but only at significantly higher prices, the purchase of such allowances could materially increase our costs of operations in the affected markets.

We have been and may in the future be materially and adversely affected by the effects of extreme weather conditions and seasonality.

We have been and may in the future be materially affected by weather conditions and our businesses may fluctuate substantially on a seasonal basis as the weather changes. In addition, we are subject to the effects of extreme weather conditions, including sustained or extreme cold or hot temperatures, hurricanes, floods, droughts, storms, fires, earthquakes or other natural disasters, which could stress our generation facilities and grid reliability, limit our ability to procure adequate fuel supply, or result in outages, damage or destroy our assets and result in casualty losses that are not ultimately offset by insurance proceeds, and could require increased capital expenditures or maintenance costs, including supply chain costs.

Moreover, an extreme weather event could cause disruption in service to customers due to downed wires and poles or damage to other operating equipment, which could result in us foregoing sales of electricity and lost revenue. Similarly, certain extreme weather events have previously affected, and may in the future, affect, the availability of generation and transmission capacity, limiting our ability to source or deliver power where it is needed or limit our ability to source fuel for our plants, including due to damage to rail or natural gas pipeline infrastructure. Additionally, extreme weather has resulted, and may in the future result, in (i) unexpected increases in customer load, requiring our retail

operation to procure additional electricity supplies at wholesale prices in excess of customer sales prices for electricity, (ii) the failure of equipment at our generation facilities, (iii) a decrease in the availability of, or increases in the cost of, fuel sources, including natural gas, diesel and coal, or (iv) unpredictable curtailment of customer load by the applicable ISO/RTO in order to maintain grid reliability, resulting in the realization of lower wholesale prices or retail customer sales. For example, Winter Storm Uri in February 2021 had a material impact on our results of operations.

Additionally, climate change may produce changes in weather or other environmental conditions, including temperature or precipitation levels, and thus may impact consumer demand for electricity. In addition, the potential physical effects of climate change, such as increased frequency and severity of storms, floods, and other climatic events, could disrupt our operations and cause us to incur significant costs to prepare for or respond to these effects.

Weather conditions, which cannot be reliably predicted, could have adverse consequences by requiring us to seek additional sources of electricity when wholesale market prices are high or to sell excess electricity when market prices are low, as well as significantly limiting the supply of, or increasing the cost of our fuel supply, each of which could have a material adverse effect on our business, results of operations, financial condition and liquidity.

Events outside of our control, including an epidemic or outbreak of an infectious disease such as COVID-19, may materially adversely affect our business.

We face risks related to epidemics, outbreaks or other public health events that are outside of our control, and could significantly disrupt our operations and adversely affect our financial condition. The global or national outbreak of an illness or other communicable disease, or any other public health crisis such as COVID-19, may cause disruptions to our business and operational plans, as a result of a number of factors, including (a) a protracted slowdown of broad sectors of the economy, (b) changes in demand or supply for commodities, (c) significant changes in legislation or regulatory policy to address the pandemic (including prohibitions on certain marketing channels, moratoriums or conditions on disconnections or limits or restrictions on late fees), (d) reduced demand for electricity (particularly from commercial and industrial customers), (e) increased late or uncollectible customer payments, (f) negative impacts on the health of our workforce, (g) a deterioration of our ability to ensure business continuity (including increased vulnerability to cyber and other information technology risks as a result of a significant portion of our workforce continuing to work from home), and (h) the inability of the Company's contractors, suppliers, and other business partners to fulfill their contractual obligations.

Changes in technology, increased electricity conservation efforts, or energy sustainability efforts may reduce the value of our generation facilities business, introduce new or emerging risks, and may otherwise have a material adverse effect on us.

If we cannot adopt technological developments on a timely basis, demand for our services may decline, or we may face challenges in implementing or evolving our business strategy. Significant technological changes continue to impact our industry. To grow and remain competitive, we will need to adapt to changes in available technology like generative AI, continually invest in our assets, increase generation capacity, increase our use of renewable technologies, enhance our existing offerings, and introduce new offerings to meet our current and potential customers' changing service demands. Competitors may incorporate AI into their businesses, services, and products more quickly or more successfully than we do. Adopting new and sophisticated technologies may result in implementation issues, such as scheduling and supplier delays, unexpected or increased costs, technological constraints, regulatory issues, customer dissatisfaction, and other issues that could cause delays in launching new technological capabilities, which in turn could result in significant costs or reduce the anticipated benefits of the upgrades. As we adopt new technologies, like AI, there is a risk that the content, analyses, recommendations, or judgments that AI applications assist in producing are alleged to be deficient, inaccurate, biased, or infringe on other's rights or property interests. Our new services could fail to retain or gain acceptance in the marketplace, or costs associated with these services could be higher than anticipated. As such, our adoption of technology or failure to adopt technology could have a material adverse effect on our business, brand, financial condition, business strategy, and operating results.

Technological advances have improved, and are likely to continue to improve, for existing and alternative methods to produce and store power, including natural gas turbines, wind turbines, fuel cells, hydrogen, micro turbines, photovoltaic (solar) cells, batteries and concentrated solar thermal devices, along with improvements in traditional technologies. Such technological advances may be superior to, or may not be compatible with, some of our existing technologies, investments and infrastructure, and may require us to make significant expenditures to remain competitive, and have resulted, and are expected to continue to reduce the costs of power production or storage, which may result in the obsolescence of certain of our operating assets. Consequently, the value of our more traditional generation assets could be significantly reduced as a result of these competitive advances, which could have a material adverse effect on us and our future success will depend, in part, on our ability to anticipate and successfully adapt to technological changes, to offer services and products that meet customer demands and evolving industry standards. In addition, changes in technology have altered, and are expected to continue to alter, the channels through which retail customers buy electricity (i.e., self-generation or distributed-generation facilities). To the extent self-generation or distributed generation facilities become a more cost-effective option for customers, our financial condition, operating cash flows and results of operations could be materially and adversely affected.

Technological advances in demand-side management and increased conservation efforts have resulted, and are expected to continue to result, in a decrease in electricity demand. A significant decrease in electricity demand as a result of such efforts would significantly reduce the value of our generation assets. Certain regulatory and legislative bodies have introduced or are considering requirements and/or incentives to reduce power consumption. Effective power conservation by our customers could result in reduced electricity demand or significantly slow the growth in such demand. Any such reduction in demand could have a material adverse effect on us. Furthermore, we may incur increased capital expenditures if we are required to increase investment in conservation measures. Additionally, increased governmental and consumer focus on energy sustainability efforts, including desire for, or incentives related to, the development, implementation and usage of low-carbon technology, may result in decreased demand for the traditional generation technologies that we currently own and operate.

We may potentially be affected by emerging technologies that may over time affect change in capacity markets and the energy industry overall including distributed generation and clean technology.

Some of these emerging technologies are shale gas production, distributed renewable energy technologies, energy efficiency, broad consumer adoption of electric vehicles, distributed generation and energy storage devices. Additionally, large-scale cryptocurrency mining is becoming increasingly prevalent in certain markets, including ERCOT, and many of these cryptocurrency mining facilities are "behind-the-meter." Such emerging technologies could affect the price of energy, levels of customer-owned generation, customer expectations and current business models and make portions of our electric system power supply and transmission and/or distribution facilities obsolete prior to the end of their useful lives. These emerging technologies may also affect the financial viability of utility counterparties and could have significant impacts on wholesale market prices, which could ultimately have a material adverse effect on our financial condition, results of operations and cash flows could be materially adversely affected.

The loss of the services of our key "key" management and personnel could adversely affect our ability to successfully operate our businesses.

Our future success will depend on our ability to continue to attract and retain highly qualified personnel. We compete for such personnel with many other companies, in and outside of our industry, government entities and other organizations. We may not be successful in retaining current personnel or in hiring or retaining qualified personnel in the future. Further, we are facing an increasingly competitive market for hiring and retaining skilled employees in certain skill areas, which is exacerbated by the effects of the COVID-19 pandemic and increased acceptance of hiring remote working employees by our competitors and other companies. Difficulties Potential difficulties in attracting and retaining highly qualified, skilled employees may could restrict our ability to adequately support our business needs and/or result in increased personnel costs. In addition, effective succession planning is important to our long-term success. Failure to timely and effectively ensure transfer of knowledge and smooth transitions involving senior management and other key personnel could hinder our strategic planning and execution.

We could be materially and adversely impacted by strikes or work stoppages by our unionized employees.

As of December 31, 2022 December 31, 2023, we had approximately 1,295 1,200 employees covered by collective bargaining agreements. The terms of all current collective bargaining agreements covering represented personnel engaged in lignite mining operations, lignite-, coal-, natural gas- and nuclear-fueled generation operation, as well as some battery operations, expire on various dates between March 2023 2024 and August 2025, March 2028, but remain effective thereafter unless and until terminated by either party. In the event that our union employees strike, participate in a work stoppage or slowdown or engage in other forms of labor strife or disruption, we would be responsible for procuring replacement labor or we could experience reduced power generation or outages. We have in place strike contingency plans that address the procurement of replacement labor. Strikes, work stoppages or the inability to negotiate current or future collective bargaining agreements on favorable terms or at all could have a material adverse effect on us.

Risks Related to Our Structure and Ownership of our Common Stock

Vistra is a holding company and its ability to obtain funds from its subsidiaries is structurally subordinated to existing and future liabilities of its subsidiaries.

Vistra is a holding company that does not conduct any business operations of its own. As a result, Vistra's cash flows and ability to meet its obligations are largely dependent upon the operating cash flows of Vistra's subsidiaries and the payment of such operating cash flows to Vistra in the form of dividends, distributions, loans or otherwise. These subsidiaries are separate and distinct legal entities from Vistra and have no obligation (other than any existing contractual obligations) to provide Vistra with funds to satisfy its obligations. Any decision by a subsidiary to provide Vistra with funds to satisfy its obligations, including those under the TRA, whether by dividends, distributions, loans or otherwise, will depend on, among other things, such subsidiary's results of operations, financial condition, cash flows, cash requirements, contractual prohibitions and other restrictions, applicable law and other factors. The deterioration of income from, or other available assets of, any such subsidiary for any reason could limit or impair its ability to pay dividends or make other distributions to Vistra.

Evolving expectations from stakeholders, including investors, on ESG issues, including climate change and sustainability matters, and erosion of stakeholder trust or confidence could influence actions or decisions about our company and our industry and could adversely affect our business, operations, financial results or stock price.

Companies across all industries are facing evolving expectations or increasing scrutiny from stakeholders related to their approach to ESG matters. For Vistra, climate change, safety and stakeholder relations remain primary focus areas, and changing expectations of our practices and performance across these and other ESG areas may impose additional costs or create exposure to new or additional risks. Our operations, projects and growth opportunities require us to have strong relationships with key stakeholders, including local communities and other groups directly impacted by our activities, as well as governments and government agencies, investor advocacy groups, certain institutional investors, investment funds and others which are increasingly focused on ESG practices. Certain financial institutions have announced policies to presently or in the future cease investing or to divest investments in companies that derive any or a specified portion of their income from, or have any or a specified portion of their operations in, coal and/or other fossil fuels.

While we are strategically focused on successfully adapting to the energy transition and strongly committed to our ESG practices and performance (including transparency and accountability thereof), our plans to transition to clean power generation sources and reduce our carbon footprint may not be completed in the timeframe and we may not achieve our targets as expected, which could impact stakeholder trust and confidence. Any such erosion of stakeholder trust and confidence, evolving expectations from stakeholders on such ESG issues, and such parties' resulting actions or decisions about our company and our industry could have negative impacts on our business, operations, financial results, and stock price, including:

- negative stakeholder sentiment toward us and our industry, including concerns over environmental or sustainability matters and potential changes in federal and state regulatory actions related thereto;
- loss of business or loss of market share, including to competitors who do not have any, or comparable amounts, of operations involving fossil fuels;
- loss of ability to secure growth opportunities;
- the inability to, or increased difficulties and costs of, obtaining services, materials, or insurance from third parties;

- reductions in our credit ratings or increased costs of, or limited access to, capital;
- delays in project execution;
- legal action;
- inability or limitations on ability to receive applicable government subsidies, or competitors with smaller or no fossil operations receiving subsidies for which we are not eligible, or in larger amounts;
- increased regulatory oversight;
- loss of ability to obtain and maintain necessary approvals and permits from governments and regulatory agencies on a timely basis and on acceptable terms;
- impediments on our ability to acquire or renew rights-of-way or land rights on a timely basis and on acceptable terms;
- changing investor sentiment regarding investment in the power and utilities industry or our company;
- restricted access to and cost of capital; and
- loss of ability to hire and retain top talent.

We may not pay any dividends on our common stock in the future, and we may not realize the anticipated benefits of our share repurchase program.

In November 2018, we announced that the Board had adopted a dividend program which we initiated in the first quarter of 2019. Each dividend under the program will be subject to declaration by the Board and, thus, may be subject to numerous factors in existence at the time of any such declaration including, but not limited to, prevailing market conditions, our results of operations, financial condition and liquidity, contractual prohibitions and other restrictions with respect to the payment of dividends. There is no assurance that the Board will declare, or that we will pay, any dividends on our common stock in the future.

In October 2021, our Board approved a share repurchase program under which up to \$2.0 billion in an aggregate authorized amount of our outstanding common stock may be repurchased. In August 2022, our Board authorized an incremental \$1.25 billion for repurchases to bring the total authorized under the share repurchase program to \$3.25 billion. Under this share repurchase program or any other future share repurchase programs, we may make share repurchases through a variety of methods, including open share market purchases or privately negotiated transactions. The timing and amount of repurchases, if any, will depend on factors such as the stock price, economic and market conditions, and corporate and regulatory requirements. Any failure to repurchase shares after we have announced our intention to do so may negatively impact our reputation, investor confidence and the price of our common stock.

Holders of our preferred stock may have interests and rights that are different from our common stockholders.

We are permitted under our certificate of incorporation to issue up to 100,000,000 shares of preferred stock. We can issue shares of our preferred stock in one or more series and can set the terms of the preferred stock without seeking any further approval from our common stockholders. Any preferred stock that we issue may rank ahead of our common stock in terms of dividend priority or liquidation premiums and may have greater voting rights than our common stock, which could dilute the value of our common stock to current stockholders and could adversely affect the market price of our common stock. As of December 31, 2022, 1,000,000 shares of Series A Preferred Stock, and 1,000,000 shares of Series B Preferred Stock, and 476,081 shares of Series C Preferred Stock were issued and outstanding. The Preferred Stock represents a perpetual equity interest in the Company and, unlike our indebtedness, will not give rise to a claim for payment of a principal amount at a particular date; provided, the Company may redeem the Preferred Stock at the specified times (or upon certain specified events) at the applicable redemption price set forth in the certificate of designation of each of the Series A Preferred Stock, Series B Preferred Stock, and Series C Preferred Stock, respectively (Certificates of Designation). The Preferred Stock is not convertible into or exchangeable for any other securities of the Company. Upon the liquidation, dissolution or winding up of the Company, whether voluntary or involuntary, after payment or provision for payment of the debts and other liabilities of the Company, the holders of Preferred Stock will be entitled to receive, pro rata and in preference to the holders of any other capital stock, an

amount per share equal to \$1,000 plus accrued and unpaid dividends thereon, if any.

Unless we have received the affirmative vote or consent of the holders of at least two-thirds of the outstanding Series A Preferred Stock, and the holders of at least two-thirds of the outstanding Series B Preferred Stock and the holders of at least two-thirds of the outstanding Series C Preferred Stock, each voting as a separate class, we may not adopt any amendment to our certificate of incorporation (including the applicable Certificates of Designation) that would have a material adverse effect on the powers, preferences, duties, or special rights of such series of Preferred Stock, subject to certain exceptions. In addition, unless we have received the affirmative vote or consent of the holders of at least two-thirds of the outstanding Series A Preferred Stock, the holders of at least two-thirds of the outstanding Series B Preferred Stock and the holders of at least two-thirds of the outstanding Series C Preferred Stock, voting as a class together with the holders of any parity securities upon which like voting rights have been conferred and are exercisable, we may not: (i) create or issue any senior securities, (ii) create or issue any parity securities (including any additional Preferred Stock) if the cumulative dividends payable on the outstanding Preferred Stock (or parity securities, if applicable) are in arrears; (iii) create or issue any additional Preferred Stock or any parity securities with an aggregate liquidation preference, together with the issued and outstanding Preferred Stock and any parity securities that are then outstanding, of greater than \$2.5 billion, and (iv) engage in any Transaction that results in a Covered Disposition (as such terms are defined in the Certificates of Designation).

In addition, holders of the Preferred Stock are entitled to receive, when, as, and if declared by our Board, semi-annual cash dividends on the Preferred Stock, which are cumulative from the applicable initial issuance date of the Preferred Stock and payable in arrears, and unless full cumulative dividends have been or contemporaneously are being paid or declared on the Preferred Stock, we may not (i) declare or pay any dividends on any junior securities, including our common stock, or (ii) redeem or repurchase any parity securities or junior securities, subject to limited exceptions set forth in the Certificates of Designation. There is no assurance that the Board will declare, or that we will pay, any dividends on our Preferred Stock in the future. The holders of Preferred Stock (along with any parity securities then outstanding with similar rights) are entitled to elect two additional directors in the event any dividends on Preferred Stock are in arrears for three or more semi-annual dividend periods (whether or not consecutive), and such directors may have competing and different interests to those elected by our common stockholders. The dividend rate for the Series A Preferred Stock from and including the initial issuance date of

October 15, 2021 until the first reset date of October 15, 2026 will be 8.0% per annum of the \$1,000 liquidation preference per share of Series A Preferred Stock. The dividend rate for the Series B Preferred Stock from and including the initial issuance date of December 10, 2021 until the first reset date of December 15, 2026 will be 7.0% per annum of the \$1,000 liquidation preference per share of Series B Preferred Stock. The dividend rate for the Series C Preferred Stock from and including the initial issuance date of December 29, 2023 until the first reset date of January 15, 2029 will be 8.875% per annum of the \$1,000 liquidation preference per share of Series C Preferred Stock. On and after the first reset date of the Series A Preferred Stock, the dividend rate on the Series A Preferred Stock for each subsequent five-year period (each, a Reset Period) will be adjusted based upon the applicable Treasury rate, plus a spread of 6.93% per annum; provided that the applicable Treasury rate for each Reset Period will not be lower than 1.07%. On and after the first reset date of the Series B Preferred Stock, the dividend rate on the Series B Preferred Stock for each Reset Period will be adjusted based upon the applicable Treasury rate, plus a spread of 5.74% per annum; provided that the applicable Treasury rate for each Reset Period will not be lower than 1.26%. On and after the first reset date of the Series C Preferred Stock, the dividend rate on the Series C Preferred Stock for each Reset Period will be adjusted based upon the applicable Treasury rate, plus a spread of 5.045% per annum; provided that the applicable Treasury rate for each Reset Period will not be lower than 3.830%. In the event that the Company does not exercise its option to redeem all the shares of Preferred Stock within 120 days after the first date on which a Change of Control Trigger Event (as defined in the Certificate of Designation) occurs, the then-applicable dividend rate for the Preferred Stock will be increased by 5.00%.

Item 1B. UNRESOLVED STAFF COMMENTS

None.

Item 1C. CYBERSECURITY

The Company has a cybersecurity and incident response program designed to assess, identify, and manage material risks from cybersecurity threats, including matters related to the cybersecurity of the Company's critical infrastructure, data, or information technology systems and the Company's actions to prepare for, identify, assess, respond, mitigate and remediate material cyber, information security, or technology risks (collectively referred to as Information Security). This program includes:

- operating a Cyber Security Operations Center;
- raising employee awareness through annual general and job-specific cybersecurity trainings and employee phishing simulations;
- maintaining defined cyber incident response plans;
- enhancing security measures to protect our systems and data;
- evolving monitoring capabilities to improve early detection and rapid response to potential cyber threats; and
- adapting to new work environments that include off-site work through mitigation of remote network risk to our internal systems, assets, or data.

Cybersecurity represents an important component of the Company's overall approach to enterprise risk management and is integrated into the risk management process and ongoing assessment. In addition to an internal security program, we strive to stay ahead of the threat landscape by working to conduct due diligence on key third-party vendors' Information Security programs and risks. We make strategic investments in our perimeter and internal defenses, cyber security operations center, and regulatory compliance activities with the advice of consultants and third parties. Moreover, to minimize risk, we maintain an insurance policy that provides coverage for matters relating to Information Security.

Vistra's Chief Information Officer (CIO) ensures Information Security is built into the Company's larger technology strategy and oversees our Chief Information Security Officer (CISO). Our CISO and his Information Security team are responsible for leading the enterprise-wide information security strategy, policy, standards, architecture, and processes and our Cyber Incident Response Teams under the CISO are responsible for monitoring and analyzing the Company's cybersecurity posture in partnership with Risk and Legal.

The CIO and CISO collaborate with our internal audit department and external consultants to review information technology-related risks (based upon the National Institute of Standards and Technology (NIST) Cybersecurity Framework) as part of the overall Vistra cyber risk management process. Through these processes, the CIO and CISO are informed about and monitor the prevention, detection, mitigation and remediation of cybersecurity threats.

We also participate in industry groups and with regulators to gain additional knowledge, including, but not limited to, the Federal Bureau of Investigation, U.S. Cybersecurity and Infrastructure Security Agency, U.S. Department of Homeland Security, Electricity Information Sharing and Analysis Center, U.S. Cyber Emergency Response Team, the NRC and NERC. We apply the knowledge gained through industry partnerships, government organizations, external cyber risk platforms, and program maturity assessments to improve our processes to detect and mitigate cyber threats.

As of the date of this report, we have not identified any impacts from cybersecurity threats, including those from any previous cybersecurity incidents, that have materially affected our results of operation or financial condition. However, despite our efforts, we cannot eliminate all risks from cybersecurity threats, or provide assurances that we have not experienced undetected cybersecurity incidents. For additional information on risks from cybersecurity threats, see Item 1A. *Risk Factors*.

While the Board has established a separate Risk and Sustainability Committee to oversee enterprise risk processes, the Board maintains oversight of Vistra's Information Security. Vistra engaged a third-party advisor to provide cybersecurity oversight and tabletop training to the full Board in 2023 to further our commitment to responsible oversight of cybersecurity risk management. At least quarterly, our CIO reports to the Board on our Information Security program, including cybersecurity risks and threats (including the emerging threat landscape), an assessment of our Information Security program, and the status of projects to strengthen our Information Security program. In furtherance of our commitment to responsible oversight of cybersecurity risk management, in 2023, the Board appointed a director who brings extensive cybersecurity expertise to the Board.

Our CIO serves as head of Vistra's Technology Services and is responsible for ensuring the reliability, security, and continued development of the Company's technology platforms and delivering new solutions to support the business. The CIO has served in various senior information technology roles in public companies for over 30 years, including Keurig Dr. Pepper Inc., General Motors, Pfizer, and Electronic Data Systems.

Our CISO also has over 35 years of information technology experience. He is a 10-year U.S. Air Force veteran and has held technology positions in infrastructure management and operations with Raytheon and Blockbuster. He also maintains Certified Information Systems Security Professional (CISSP) and Certified Information Security Manager (CISM) certifications.

Item 2. PROPERTIES

Luminant's The following table presents our asset fleet as of December 31, 2022, all December 31, 2023 by segment. All of which our facilities are 100% (fee simple) owned, consists of power generation and battery ESS units in six ISOs/RTOs, with the location, ISO/RTO, technology, primary fuel type and net capacity for each generation facility shown in the table below: owned.

Facility	Location	ISO/RTO	Technology	Primary Fuel (a)	Net Capacity (MW) (b)(a)
Texas Segment					
Ennis	Ennis, TX	ERCOT	CCGT	Natural Gas	366
Forney	Forney, TX	ERCOT	CCGT	Natural Gas	1,912
Hays	San Marcos, TX	ERCOT	CCGT	Natural Gas	1,047
Lamar	Paris, TX	ERCOT	CCGT	Natural Gas	1,076
Midlothian	Midlothian, TX	ERCOT	CCGT	Natural Gas	1,596
Odessa	Odessa, TX	ERCOT	CCGT	Natural Gas	1,054
Wise	Poolville, TX	ERCOT	CCGT	Natural Gas	787
Martin Lake	Tatum, TX	ERCOT	ST	Coal	2,250
Oak Grove	Franklin, TX	ERCOT	ST	Coal	1,600
DeCordova	Granbury, TX	ERCOT	CT	Natural Gas	260
Graham	Graham, TX	ERCOT	ST	Natural Gas	630
Lake Hubbard	Dallas, TX	ERCOT	ST	Natural Gas	921
Morgan Creek	Colorado City, TX	ERCOT	CT	Natural Gas	390
Permian Basin	Monahans, TX	ERCOT	CT	Natural Gas	325
Stryker Creek	Rusk, TX	ERCOT	ST	Natural Gas	685
Trinidad	Trinidad, TX	ERCOT	ST	Natural Gas	244
Comanche Peak (b)	Glen Rose, TX	ERCOT	Nuclear	Nuclear	2,400
Brightside	Live Oak County, TX	ERCOT	Solar	Renewable	50
Emerald Grove	Crane County, TX	ERCOT	Solar	Renewable	108
Upton 2	Upton County, TX	ERCOT	Solar/Battery	Renewable	180 190
DeCordova	Granbury, TX	ERCOT	Battery	Renewable	260
Total Texas Segment					18,141 18,151

Facility	Location	ISO/RTO	Technology	Primary Fuel	Net Capacity (MW) (a)
East Segment					
Fayette	Masontown, PA	PJM	CCGT	Natural Gas	726
Hanging Rock	Ironton, OH	PJM	CCGT	Natural Gas	1,430
Hopewell	Hopewell, VA	PJM	CCGT	Natural Gas	370
Kendall	Minooka, IL	PJM	CCGT	Natural Gas	1,288
Liberty	Eddystone, PA	PJM	CCGT	Natural Gas	607
Ontelaunee	Reading, PA	PJM	CCGT	Natural Gas	600
Sayreville	Sayreville, NJ	PJM	CCGT	Natural Gas	349
Washington	Beverly, OH	PJM	CCGT	Natural Gas	711
Calumet	Chicago, IL	PJM	CT	Natural Gas	380
Dicks Creek	Monroe, OH	PJM	CT	Natural Gas	155
Miami Fort (CT)	North Bend, OH	PJM	CT	Fuel Oil	77
Pleasants	Saint Marys, WV	PJM	CT	Natural Gas	388
Richland (c)	Defiance, OH	PJM	CT	Natural Gas	423
Stryker (c)	Stryker, OH	PJM	CT	Fuel Oil	16
Bellingham	Bellingham, MA	ISO-NE	CCGT	Natural Gas	566
Blackstone	Blackstone, MA	ISO-NE	CCGT	Natural Gas	544
Casco Bay	Veazie, ME	ISO-NE	CCGT	Natural Gas	543
Lake Road	Dayville, CT	ISO-NE	CCGT	Natural Gas	827
Masspower	Indian Orchard, MA	ISO-NE	CCGT	Natural Gas	281

Facility	Location	ISO/RTO	Technology	Primary Fuel (a)	Net Capacity (MW) (b)
Milford	Milford, CT	ISO-NE	CCGT	Natural Gas	600
Independence	Oswego, NY	NYISO	CCGT	Natural Gas	1,212
Total East Segment					12,093

West Segment					
Moss Landing 1 & 2	Moss Landing, CA	CAISO	CCGT	Natural Gas	1,020
Moss Landing	Moss Landing, CA	CAISO	Battery	Renewable	400 750
Oakland	Oakland, CA	CAISO	CT	Fuel Oil	110
Total West Segment					1,530 1,880

Sunset Segment					
Coleto Creek	Goliad, TX	ERCOT	ST	Coal	650
Baldwin	Baldwin, IL	MISO	ST	Coal	1,185
Edwards (c)	Bartonville, IL	MISO	ST	Coal	585
Newton	Newton, IL	MISO	ST	Coal	615
Kincaid	Kincaid, IL	PJM	ST	Coal	1,108
Miami Fort 7 & 8	North Bend, OH	PJM	ST	Coal	1,020
Total Sunset Segment					5,163 4,578
Total capacity					36,927 36,702

- (a) Renewable represents generation assets fueled by renewable sources including energy storage and solar, which do not have significant fuel costs.
- (b) Approximate net generation capacity. Actual net generation capacity may vary based on a number of factors, including ambient temperature. We have not included units that have been retired or are out of operation.
- (b) In October 2022, we announced the submission of our application to the NRC for license renewal at our two-unit Comanche Peak Nuclear Plant. The current licenses for Units 1 and 2 extend into 2030 and 2033, respectively, and we are applying to renew the licenses into 2050 and 2053, respectively.
- (c) Final day of operation was December 31, 2022. Retired on January 1, 2023. We have entered into an agreement to sell the Richland and Stryker generation facilities, and closing is expected in early March 2024.

See Note 23 to the Financial Statements for discussion of our solar and battery energy storage projects currently under development and Note 34 to the Financial Statements for discussion of our retirement of certain generation facilities, including the Zimmer, Joppa and Edwards generation facilities that we retired in June 2022, September 2022 and January 2023, respectively, that are reported in our Asset Closure segment and excluded from the table above.

Our wholesale commodity risk management group also procures renewable energy credits from renewable generation in ERCOT to support our electricity sales to wholesale and retail customers to satisfy the increasing demand for renewable resources from such customers. As of December 31, 2022 December 31, 2023, Vistra had long-term agreements to procure renewable energy credits from approximately 885 MW of renewable generation. These renewable generation sources deliver electricity when conditions make them available, and, when on-line, they generally compete with baseload units. Because they cannot be relied upon to meet demand continuously due to their dependence on weather and time of day, these generation sources are categorized as non-dispatchable and create the need for intermediate/load-following resources to respond to changes in their output.

Fuel Supply

Nuclear— We own and operate two nuclear generation units at the Comanche Peak plant site in ERCOT, each of which is designed for a capacity of 1,200 MW. Comanche Peak Unit 1 and Unit 2 went into commercial operation in 1990 and 1993, respectively, and are generally operated at full capacity. Refueling (nuclear fuel assembly replacement) outages for each unit are scheduled to occur every eighteen months during the spring or fall off-peak demand periods. Every three years, the refueling cycle results in the refueling of both units during the same year, which occurred in 2020. While one unit is undergoing a refueling outage, the remaining unit is intended to operate at full capacity. During a refueling outage, other maintenance, modification and testing activities are completed that cannot be accomplished when the unit is in operation. The Comanche Peak facility operated at a capacity factor of 94%, 96% and 97% in 2022, 2021 and 2020, respectively.

We have contracts in place for all of our 2023 through 2025 nuclear fuel requirements. We do not anticipate any significant difficulties in acquiring uranium and contracting for associated conversion, enrichment and fabrication services in the foreseeable future.

Natural Gas— Our natural gas-fueled generation fleet is comprised of 23 CCGT generating facilities totaling 19,512 MW and 11 peaking generation facilities totaling 4,801 MW. We satisfy our fuel requirements at these facilities through a combination of spot market and near-term purchase contracts. Additionally, we have near-term natural gas transportation agreements in place to ensure reliable fuel supply.

Coal/Lignite— Our coal/lignite-fueled generation fleet is comprised of eight generation facilities totaling 9,013 MW of generation capacity, including the 585 MW Edwards facility that was retired on January 1, 2023. Maintenance outages at these units are scheduled during the spring or fall off-peak demand periods. We meet our fuel requirements at our coal-fueled generation facilities in PJM and MISO with coal purchased from multiple suppliers under contracts of various lengths and transported to the facilities by either railcar or barges. We meet our fuel requirements in ERCOT using lignite that we mine at the Oak Grove generation facility and coal purchased and transported by railcar at the Coletto Creek and Martin Lake generation facilities.

Item 3. LEGAL PROCEEDINGS

See Note 12 14 to the Financial Statements for discussion of material litigation including matters related to our generation facilities and EPA reviews, which Vistra is a party.

Item 4. MINE SAFETY DISCLOSURES

Vistra currently owns and operates, or is in the process of reclaiming, 12 surface lignite coal mines in Texas to provide fuel for its electricity generation facilities. Vistra also owns or leases, and is in the process of reclaiming, two waste-to-energy surface facilities in Pennsylvania. These mining operations are regulated by the MSHA under the Federal Mine Safety and Health Act of 1977, as amended (the Mine Act), as well as other federal and state regulatory agencies such as the RCT and Office of Surface Mining. The MSHA inspects U.S. mines, including Vistra's mines, on a regular basis, and if it believes a violation of the Mine Act or any health or safety standard or other regulation has occurred, it may issue a citation or order, generally accompanied by a proposed fine or assessment. Such citations and orders can be contested and appealed, which often results in a reduction of the severity and amount of fines and assessments and sometimes results in dismissal. Disclosure of MSHA citations, orders and proposed assessments are provided in Exhibit 95.1 to this annual report on Form 10-K.

PART II

Item 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES

Vistra's common stock is listed and traded on the NYSE under the symbol "VST". Vistra's authorized capital stock consists of 1,800,000,000 shares of common stock with a par value of \$0.01 per share.

Since May 10, 2017, Vistra's common stock has been listed on the NYSE under the symbol "VST".

As of February 23, 2023 February 23, 2024, there were 381,453,001 shares of common stock issued and outstanding and 554 472 stockholders of record.

In November 2018, we announced that The Board has authority to declare dividends to the holders of our common stock. The Board had adopted a intends to continue the payment of dividends to the holders of the Company's common stock dividend program which we initiated in the first quarter future. The declaration and payment of 2019. Our common stockholders are entitled to receive any such future dividends, or other distributions ratably. In February 2023, our Board declared a quarterly dividend of \$0.1975 per share that however, will be paid in March 2023. Each dividend under at the program is subject to declaration by discretion of the Board and thus, may be subject to will depend on numerous factors in existence at the time of any such declaration including, but not limited to, prevailing market conditions, Vistra's results of operations, financial condition and liquidity, Delaware law and contractual limitations. For additional details, see Item 1A. Risk Factors and Note 13 to the Financial Statements.

Stock Performance Graph

The performance graph below compares Vistra's cumulative total return on common stock for during the five-year period from May 10, 2017 (the date we were listed on the NYSE) December 31, 2018 through December 31, 2022 December 31, 2023 with the cumulative total returns of the S&P 500 Stock Index (S&P 500) and the S&P Utility Index (S&P Utilities). The graph below compares the return in each period assuming that \$100 was invested at May 10, 2017 December 31, 2018 in Vistra's common stock, the S&P 500 and the S&P Utilities, and that all dividends were reinvested.

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	December 31,					
	2018	2019	2020	2021	2022	2023
Vistra Corp.	\$ 100.00	\$ 102.48	\$ 90.41	\$ 108.08	\$ 113.57	\$ 193.89
S&P 500	\$ 100.00	\$ 131.47	\$ 155.65	\$ 200.59	\$ 163.98	\$ 207.04
S&P Utilities	\$ 100.00	\$ 126.35	\$ 127.01	\$ 149.46	\$ 151.79	\$ 141.05

The stock price performance included in this graph is not necessarily indicative of future stock price performance.

Share Repurchase Program Purchases of Equity Securities by the Issuer

The following table provides information about our repurchase of equity securities that are registered by us pursuant to Section 12 of the Exchange Act, as amended, common stock, during the quarter three months ended December 31, 2022 December 31, 2023.

	Total Number of Shares Purchased	Average Price Paid per Share	Total Number of Shares Purchased as Part of a Publicly Announced Program	Maximum Dollar Amount of Shares that may yet be Purchased under the Program (in millions)
October 1 - October 31, 2022	6,876,619	\$ 22.01	6,876,619	\$ 1,197
November 1 - November 30, 2022	6,022,173	\$ 23.46	6,022,173	\$ 1,055
December 1 - December 31, 2022	2,112,632	\$ 23.91	2,112,632	\$ 1,005
For the quarter ended December 31, 2022	15,011,424	\$ 22.86	15,011,424	\$ 1,005

Period	Total Number of Shares Purchased	Average Price Paid per Share	Total Number of Shares Purchased as Part of a Publicly Announced Program	Maximum Dollar Amount of Shares that may yet be Purchased under the Program (in millions)
October 1 - October 31, 2023	4,246,310	\$ 32.15	4,246,310	\$ 993
November 1 - November 30, 2023	3,682,876	\$ 34.81	3,682,876	\$ 865
December 1 - December 31, 2023	3,061,650	\$ 37.55	3,061,650	\$ 750
For the quarter ended December 31, 2023	10,990,836	\$ 34.54	10,990,836	\$ 750

In October 2021, we announced that the Board had authorized a share repurchase program (Share Repurchase Program) under which up to \$2.0 billion of our outstanding common stock may be repurchased. The Share Repurchase Program became effective on October 11, 2021. In August 2022, March 2023 and February 2024, the Board authorized an incremental amounts of \$1.25 billion, \$1.0 billion and \$1.5 billion, respectively, for repurchases to bring the total authorized under the Share Repurchase Program to \$3.25 billion \$5.75 billion. We expect to complete repurchases under the Share Repurchase Program by the end of 2023.

Under the Share Repurchase Program, any purchases of shares of the Company's stock may be repurchased from time to time in open-market transactions at prevailing market prices, in privately negotiated transactions, pursuant to plans complying with the Exchange Act or by other means in accordance with federal securities laws. The actual timing, number and value of shares repurchased under the Share Repurchase Program or otherwise will be determined at our discretion and will depend on a number of factors, including

our capital allocation priorities, the market price of our stock, general market and economic conditions, applicable legal requirements and compliance with the terms of our debt agreements and the certificate of designation of the Series A Preferred Stock and the Series B Preferred Stock, respectively. 2025.

See Note 13 15 to the Financial Statements for more information concerning the Share Repurchase Program.

Item 6. [RESERVED]

Not applicable.

Item 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION, AND RESULTS OF OPERATIONS

The discussion below, as well as other portions of this annual report on Form 10-K, contain forward-looking statements within the meaning of Section 27A of the Securities Act, Section 21E of the Exchange Act and the Private Securities Litigation Reform Act of 1995. In addition, management may make forward-looking statements orally or in other writing, including, but not limited to, in press releases, quarterly earnings calls, executive presentations, in the annual report to stockholders and in other filings with the SEC. Readers can usually identify these forward-looking statements by the use of such words as "may," "will," "should," "likely," "plans," "projects," "expects," "anticipates," "believes" or similar words. These statements involve a number of risks and uncertainties. Actual results could materially differ from those anticipated by such forward-looking statements. For more discussion about risk factors that could cause or contribute to such differences, see Part I, Item 1A "Risk Factors" and other risks discussed herein. Forward-looking statements reflect the information only as of the date on which they are made. The Company does not undertake any obligation to update any forward-looking statements to reflect future events, developments, or other information. If Vistra does update one or more forward-looking statements, no inference should be drawn that additional updates will be made regarding that statement or any other forward-looking statements. This discussion is intended to clarify and focus on our results of operations, certain changes in our financial position, liquidity, capital structure and business developments for the periods covered by the consolidated financial statements included under Part II, Item 8 of this annual report on Form 10-K for the year ended December 31, 2022. This discussion should be read in conjunction with those consolidated financial statements and the related notes and is qualified by reference to them.

The following discussion and analysis of our financial condition and results of operations for the years ended December 31, 2022, 2021 and 2020 should be read in conjunction together with our consolidated financial statements and the related notes to those statements. The included in Item 8. *Financial Statements and Supplementary Data*. See Item 7. *Management's Discussion and Analysis of Financial Condition, and Results of Operations* in our 2022 Form 10-K for a discussion and analysis of our financial condition and results of operations for the year ended December 31, 2020 December 31, 2021 and for the year ended December 31, 2021 December 31, 2022 compared to the year ended December 31, 2020 are included in Item 7. *Management's Discussion and Analysis of Financial Condition and Results* in our 2021 Form 10-K and are December 31, 2021, which is incorporated herein here by reference.

All dollar amounts in the tables in the following discussion and analysis are stated in millions of U.S. dollars unless otherwise indicated.

Business

Vistra is a holding company operating an integrated retail and electric power generation business primarily in markets throughout the U.S. Through our subsidiaries, we are engaged in competitive energy market activities including electricity generation, wholesale energy sales and purchases, commodity risk management and retail sales of electricity and natural gas to end users.

Operating Segments

Vistra has six reportable segments: (i) Retail, (ii) Texas, (iii) East, (iv) West, (v) Sunset and (vi) Asset Closure. See Note 19 to the Financial Statements for further information concerning our reportable business segments.

CEO Transition

In March 2022, Vistra announced that the Board had named Jim Burke as its next Chief Executive Officer (CEO), effective August 1, 2022. Mr. Burke, who previously served as President and Chief Financial Officer, also joined the Company's Board upon assuming his new role. Vistra's previous CEO and director, Curt Morgan, will serve as a special advisor to Mr. Burke and the Board until April 30, 2023. The transition from Mr. Morgan to Mr. Burke was a product of the Company's formal succession planning process. In July 2022, the Company announced the appointment of Kris Moldovan as the Company's Executive Vice President and Chief Financial Officer, effective August 1, 2022.

Significant Activities and Events, and Items Influencing Future Performance

Climate Change, Investments in Clean Proposed Merger with Energy and CO₂ Reductions Harbor

Environmental Regulations — We are On March 6, 2023, Vistra Operations and its wholly-owned subsidiary (Merger Sub) entered into a Transaction Agreement with Energy Harbor pursuant to which, upon the terms and subject to extensive environmental regulation by governmental authorities, including the EPA conditions thereof, Merger Sub will be merged with and into Energy Harbor, with Energy Harbor surviving as an indirect subsidiary of Vistra. The Transaction Agreement, the Merger and the environmental other Transactions were approved by each of Vistra's Board and Energy Harbor's board of directors. On February 16, 2024, we received approval from FERC to acquire Energy Harbor. FERC's approval was the last regulatory bodies of states in which we operate. Environmental regulations could have a material impact on our business, such as certain corrective

action measures that may be required under the CCR rule and the Effluent Limitation Guidelines (ELG) rule. See *Item 1. Business – Environmental Regulations and Related Considerations*, and *Item 1A. Risk Factors – Regulatory and Legislative Risks* and Note 12 to the Financial Statements. However, such rules and the regulatory environment are continuing to evolve and change, **approval needed**, and we cannot predict the ultimate effect that such changes may have **anticipate closing** on our business.

Emissions Reductions — Vistra is targeting to achieve a 60% reduction in Scope 1 and Scope 2 CO₂ equivalent emissions by 2030 as compared to a 2010 baseline with a long-term goal to achieve net-zero carbon emissions by 2050, assuming necessary advancements in technology and supportive market constructs and public policy. In furtherance of Vistra's efforts to meet its net-zero target, Vistra expects to deploy multiple levers to transition the Company to operating with net-zero emissions.

Green Finance Framework — In December 2021, we announced the publication of our Green Finance Framework, which allows us to issue green financial instruments to fund new or existing projects that support renewable energy and energy efficiency with alignment to our ESG strategy. See *Preferred Stock Offerings* below for discussion of the Series B Preferred Securities issued under our Green Finance Framework.

Solar Generation and Energy Storage Projects —

- In September 2020, we announced the planned development, at a cost of approximately \$850 million, of up to 668 MW of solar photovoltaic power generation facilities and 260 MW of battery ESS in Texas. Of this planned development in Texas, 158 MW of solar generation and the 260 MW of battery ESS came online in 2022.
- In September 2021, we announced the planned development, at a cost of approximately \$550 million, of up to 300 MW of solar photovoltaic power generation facilities and up to 150 MW of battery ESS at retired or to-be-retired plant sites in Illinois, based on the passage of Illinois Senate Bill 2408, the Energy Transition Act.
- In January 2022, we announced that, subject to approval by the CPUC, we would enter into a 15-year resource adequacy and energy settlement contract with PG&E to develop an additional 350 MW battery ESS at our Moss Landing Power Plant site. The CPUC approved the resource adequacy and energy settlement contract in April 2022.

We will only invest in these growth projects if we are confident in the expected returns. **March 1, 2024**. See Note 2 to the Financial Statements for a summary of our solar and battery ESS projects. **more information concerning the Transaction Agreement**.

CO₂ Reductions — In September 2020 and December 2020, we announced our intention to retire (a) all of our remaining coal generation facilities in Illinois and Ohio, (b) one coal generation facility in Texas and (c) one natural gas facility in Illinois no later than year-end 2027 due to economic challenges, including incremental expenditures that would be required to comply with the CCR rule and ELG rule (see Note 12 to the Financial Statements), and in furtherance of our efforts to significantly reduce our carbon footprint. In June 2022, September 2022 and January 2023, we retired the Zimmer coal-fueled generation facility, the Joppa generation facilities and the Edwards coal-fueled generation facility, respectively. See Note 3 to the Financial Statements for a summary of these planned generation retirements.

Comanche Peak Nuclear Plant License Renewal

In October 2022, we announced the submission of our application to the NRC for license renewal at our two-unit Comanche Peak Nuclear Plant. The current licenses for Units 1 and 2 extend into 2030 and 2033, respectively, and we are applying to renew the licenses into 2050 and 2053, respectively.

Inflation Reduction Act of 2022

In August 2022, the U.S. enacted the **Inflation Reduction Act of 2022 (IRA)**, **IRA**, which, among other things, implements substantial new and modified energy tax credits, including a nuclear **production tax credit (PTC)**, **PTC**, a solar PTC, a first-time stand-alone battery storage investment tax credit, a 15% corporate alternative minimum tax (CAMT) on book income of certain large corporations, and a 1% excise tax on net stock repurchases. Treasury regulations are expected to **further** define the scope of the legislation in many important respects over the next twelve months. **The excise tax on stock repurchases is not expected to have a material impact on our financial statements**. Vistra is not subject to the CAMT in the **next fiscal 2023 tax** year since it **only** applies **only** to corporations that have a three-year average annual adjusted financial statement income in excess of \$1 billion. **The excise tax is not expected to have a material impact on our financial statements**. As of December 31, 2022, **we** **We** have taken the CAMT and relevant extensions or expansions of existing tax credits applicable to projects in our immediate development pipeline into account when forecasting cash taxes for periods after the law takes **effect effect**. See **Note 1** for our accounting policy related to refundable and **for estimating** transferable PTCs and ITCs.

Repurchase of TRA Rights and Preferred Stock Issuance

On December 29, 2023, Vistra repurchased (Repurchase) approximately 74% of the outstanding beneficial interests in the TRA **liability**, **Rights to receive payments under the TRA** from a select group of registered holders of the TRA Rights (Selling Holders) in exchange for consideration of \$1.50 per repurchased TRA Right, totaling an aggregate purchase price for the Repurchase of approximately \$476 million. The shares of Series C Preferred Stock were issued (see Note 15 to the Financial Statements) to the Selling Holders in exchange for the TRA Rights in a transaction exempt from registration pursuant to Section 4(a)(2) of the Securities Act. As part of the transaction, on January 29, 2024, the Company filed a shelf registration statement on Form S-3 registering the resale of the shares by the Selling Holders of Series C Preferred Stock from time to time under Rule 415 of the Securities Act. If the Company repurchases TRA Rights at any time during the 180 days following December 29, 2023 at a price per TRA Right greater than \$1.50, the Company will pay the Selling Holders an amount equal to such excess purchase price per TRA Right sold by the Selling Holders.

On January 11, 2024, Vistra repurchased an additional 43,494,944 TRA Rights from a select group of registered holders of TRA Rights in exchange for consideration of \$1.50 per repurchased TRA Right. Total consideration of \$65 million was paid using cash on hand.

On January 31, 2024, Vistra announced a cash tender offer to purchase any and all outstanding TRA Rights in exchange for consideration of \$1.50 per tendered TRA Right accepted for purchase prior to close of business on February 13, 2024 (Early Tender Date), which included an early tender premium of \$0.05 per TRA Right accepted for purchase. As of the Early Tender Date, 55,056,931 TRA Rights were accepted for purchase for total consideration of \$83 million, which was paid using cash on hand. TRA Rights accepted for purchase after the Early Tender Date, but prior to the close of business on February 28, 2024, will receive consideration of \$1.45 per TRA Right accepted for purchase, which will be paid in March 2024 using cash on hand.

As of the Early Tender Date, we have repurchased an aggregate 98% of the original outstanding TRA Rights, of which 10,430,083 TRA Rights remain outstanding.

See Note 8 to the Financial Statements for details of the TRA and Note 15 to the Financial Statements for details of the Series C Preferred Stock.

Financial and Operating Performance

The following are financial and operating highlights we achieved in the execution of our four strategic priorities:

Long-term, attractive earnings profile through the integrated business model.

- We continued to execute our integrated business model through exceptional operational performance and capitalization of market opportunities which drove strong earnings during the year ended December 31, 2023, highlighting our competitive advantage of coupling retail with our reliable and efficient generation fleet and wholesale commodity risk management capabilities which reduces the effects of commodity price movements and contributes to the stability and predictability of our cash flows.
- Our commercial team focused on effectively and efficiently managing risk by opportunistically hedging for 2023 and beyond and optimizing our assets and business positions which led to strong plant operating performance and energy margins.
- Our retail brands served the retail electricity and natural gas needs of end-use residential, small business and commercial and industrial electricity customers through multiple sales and marketing channels through products and solutions that differentiate from our competitors leading to an increase in residential customer counts within markets we continue to operate.

Strategic energy transition that supports the reliability and affordability of electricity.

- In June 2023, an additional 350 MW battery ESS at our Moss Landing Power Plant site commenced commercial operations.
- As of June 30, 2023, the net proceeds of our Series B Preferred Stock were fully allocated to eligible solar and battery projects, pursuant to our Green Finance Framework.
- We continued development and construction activities on the planned development of up to 300 MW of solar photovoltaic power generation facilities and up to 150 MW of battery ESS at retired or to-be-retired plant sites in Illinois.
- We retired our Edwards coal generation plant on January 1, 2023.

Significant and consistent shareholder return of capital.

- During the year ended December 31, 2023, we paid dividends to common stockholders totaling \$313 million.
- During the year ended December 31, 2023, we repurchased 45 million shares for \$1.3 billion under our stock repurchase program. Total shares repurchased under the program established in October 2021 are 143 million shares for \$3.5 billion. See Note 15 to the Financial Statements for more information about our dividend and Share Repurchase Program.

Maintaining a strong balance sheet.

- In December 2023, we issued \$400 million of 6.950% Senior Secured Notes due 2033 and \$350 million of 7.750% Senior Unsecured Notes due 2031 in which the net proceeds were used to fund the tender offer (Senior Secured Notes Tender Offer) to purchase for cash \$759 million aggregate principal amount of certain notes in January 2024, including \$58 million of 4.875% Senior Secured Notes due 2024, \$345 million of 3.550% Senior Secured Notes due 2024 and \$356 million of the 5.125% Senior Secured Notes due 2025.

During the year ended December 31, 2023, our operating segments delivered strong operating performance with a disciplined focus on cost management, while generating and selling essential electricity in a safe and reliable manner. Our performance reflected strong plant operating performance, summer scarcity pricing events in Texas and effectiveness of our comprehensive hedging strategy and the value we were able to lock in as forward power and natural gas curves increased beginning in 2022.

Macroeconomic Conditions

Global market demand, geopolitical events and high natural gas price volatility have resulted in increased market prices for energy and other commodities, and we expect these conditions to persist, in particular in the near term. Due in large part to the Russia and Ukraine conflict as well as other factors, we have experienced substantial shifts in commodity prices, which in turn have (i) facilitated our comprehensive hedging strategy which we believe has positioned us to lock in significant revenues and Adjusted EBITDA opportunities in 2023 through 2025, (ii) led to significant mark-to-market impacts on forward commodity derivative instruments, and (iii) combined with our comprehensive hedging strategy, resulted in significant increases in our collateral posting obligations and required substantial liquidity to support such obligations. Additionally, we continue to monitor

domestic drivers of gas prices, including the pace of investment and buildout of liquefied natural gas (LNG) export capabilities, which have the potential to more closely align U.S. natural gas pricing with the further elevated international gas markets over the next couple of years. See also *Financial Condition* for further discussion of our collateral posting obligations and liquidity management activities.

We continue to monitor the impacts of energy volatility on the retail and associated default service markets. As electricity pricing trended higher in 2022, we experienced increased customer migration to the default service provider in territories outside of Texas, where default service rates do not yet fully reflect the higher commodity pricing environment. Generators (including Vistra) with contracts to serve a percentage of the resultingly higher than planned default service load (previously awarded through the default service auction process) are likely to incur losses on these particular default service contracts, as estimates of the potential migration were lower than the level of migration that was realized and the underlying cost to provide the incremental power rose above the contracted revenue rate. As a result of this customer migration, we incurred losses in 2022 and anticipate these losses will continue to have a negative impact on our East segment through the end of these default service contracts in mid-2023.

With forward power and natural gas curves increasing materially during 2022 and the continued volatility in 2022, 2023, we have increased our hedging for future periods. As of December 31, 2022 December 31, 2023, we have hedged approximately 73% 91% of our expected generation volumes on average for the three-year two-year period 2023 to 2024 through 2025 (with approximately 90% 98% hedged for 2023 2024 and approximately 76% 83% hedged for 2024 2025).

Changes The industry continues to the geopolitical situation and the inflationary environment, among other factors, have also created experience supply chain constraints that have reduced the availability and increased the costs of certain fuels, such as coal, reduced the availability of certain equipment and supply relevant to construction of renewables projects, and increased the lead time to procure certain materials necessary to maintain our natural gas, nuclear and coal fleet. We are proactively managing the increased costs of materials and supply chain disruptions and continuing to prudently re-evaluate the business cases and timing of our planned development projects, which has resulted in a deferral of some of our planned capital spend for our renewables projects from 2022 to 2023 and beyond. projects. In addition, we have proactively engaged our suppliers to secure key materials needed to maintain our existing generation facilities prior to future planned outages, and our Vistra Zero operational and development projects are anticipated to benefit from the impact of the recently passed IRA. The inflationary environment has also led continues to and is expected to cause further increases in, drive elevated interest rates, resulting in increased expected refinancing or borrowing costs, including project financing for our development projects, projects and refinancing expected in connection with debt due in 2024 and beyond.

Additionally, we have been

We are closely monitoring and will continue to closely monitor, developments of in the Russia and Ukraine conflict, including specifically with regards to, (i) sanctions (or potential sanctions) against Russian energy exports and Russian nuclear fuel supply and enrichment activities, as well as and (ii) actions by Russia to limit energy deliveries, which may further impact commodity prices in Europe and globally. In addition, current policies being considered by the U.S. Congress, namely H.R. 1042 the Prohibiting Russian Uranium Imports Act, would restrict imports of uranium if signed into law. The bill passed out of the House of Representatives in December 2023, and the future of the bill remains uncertain as it awaits consideration in the Senate. Our 2022 2024 refueling has not been affected by the Russia and Ukraine conflict. We work with a diverse set conflict, nor have we seen any disruption to the delivery of global nuclear fuel cycle suppliers to procure our nuclear fuel, and therefore, we expect to have enough nuclear fuel to support all our refueling needs through 2025. fuel. We are taking affirmative action by including building strategic inventory and deploying mitigating strategies in our procurement portfolio to ensure we can secure the nuclear fuel needed to continue to operate our nuclear facility. facility through potential Russian supply disruption. We work with a diverse set of global nuclear fuel cycle suppliers to procure our nuclear fuel years in advance, and therefore, we expect to have enough nuclear fuel to support all our refueling needs, including the Energy Harbor facilities following the expected closing of the Transactions, through 2027. If imports from Russia were are restricted, refueling operations of U.S. merchant nuclear power generators could be challenged in their refueling operations in future years.

Winter Storm Uri Capacity Markets

In February 2021, PJM, NYISO, ISO-NE, MISO and CAISO ensure long-term grid reliability through monthly, semiannual, annual and multi-year capacity auctions or bilateral transactions where power suppliers commit to making the generation resources available to the ISO as needed for a severe winter storm with extremely cold temperatures affected much of the U.S., including Texas. This severe weather resulted specific time period. We participate in surging demand for power, gas supply shortages, operational challenges for generators, these capacity market auctions and also enter into bilateral capacity sales, and a significant load shed portion of our East, West and Sunset segment revenues are impacted by the capacity auction results or bilateral contracts. The following information summarizes the auction pricing for zones in which we operate as well as our capacity auction and bilateral capacity sales by planning period. Performance incentive rules increase capacity payments for those resources that are providing excess energy or reserves during a shortage event, while penalizing those that was ordered by ERCOT beginning on February 15, 2021 and continuing through February 18, 2021. Winter Storm Uri had a material adverse impact on our results of operations and operating cash flows. produce less than the required level.

The weather event resulted PJM

Reliability Pricing Model (RPM) auction results, for the zones in a \$2.2 billion negative impact on the Company's pre-tax earnings which our assets are located, are as follows for each planning year:

	2023-2024		2024-2025	
	(average price per MW-day)			
RTO zone	\$	34.13	\$	28.92
ComEd zone		34.13		28.92
MAAC zone		49.49		49.49

EMAAC zone	49.49	54.95
ATSI zone	34.13	28.92
DEOK zone	34.13	96.24

Our capacity sales in the PJM, net of purchases, aggregated by planning year ended December 31, 2021 after taking into account approximately \$544 million in securitization proceeds Vistra received from ERCOT and capacity type through planning year 2024-2025, are as further described below. The primary drivers of the loss were the need to procure power in ERCOT at market prices at or near the price cap due to lower output from our natural gas-fueled power plants driven by natural gas deliverability issues and our coal-fueled power plants driven by coal fuel handling challenges, high fuel costs, and high retail load costs, follows:

	2023-2024		2024-2025	
	East Segment	Sunset Segment	East Segment	Sunset Segment
CP auction capacity sold, net (MW)	5,811	1,667	5,567	1,338
Bilateral capacity sold, net (MW)	378	166	400	38
Total segment capacity sold, net (MW)	6,189	1,833	5,967	1,376
Average price per MW-day	\$ 38.61	\$ 36.82	\$ 36.80	\$ 75.11

NYISO

The most recent seasonal auction results for NYISO's Rest-of-State zones, in which the capacity for our Independence plant clears, are as follows for each planning period:

	Winter 2023 - 2024
Price per kW-month	\$ 3.83

Due to the short-term, seasonal nature of the NYISO capacity auctions, we monetize the majority of our capacity through bilateral trades. Our capacity sales, aggregated by season through winter 2025-2026, are as follows:

	East Segment				
	Winter 2023 - 2024	Summer 2024	Winter 2024 - 2025	Summer 2025	Winter 2025 - 2026
Auction capacity sold (MW)	12	—	—	—	—
Bilateral capacity sold (MW)	1,132	873	591	175	59
Total capacity sold (MW)	1,144	873	591	175	59
Average price per kW-month	\$ 2.27	\$ 3.80	\$ 3.44	\$ 4.10	\$ 4.10

ISO-NE

The most recent Forward Capacity Auction results for ISO-NE Rest-of-Pool, in which most of our assets are located, are as follows for each planning year:

	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028
Price per kW-month	\$ 2.00	\$ 2.61	\$ 2.59	\$ 2.59	\$ 3.58

We continue to market and pursue longer term multi-year capacity transactions that extend through planning year 2027-2028.

	East Segment				
	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028
Auction capacity sold (MW)	3,213	3,103	3,032	2,836	3,261
Bilateral capacity sold (MW)	22	78	78	58	8
Total capacity sold (MW)	3,235	3,181	3,110	2,894	3,269
Average price per kW-month	\$ 2.22	\$ 3.12	\$ 2.72	\$ 2.60	\$ 3.58

MISO

The capacity auction results for MISO Local Resource Zone 4, in which our assets are located, are as follows for each planning year:

	2023-2024
Price per MW-day	\$ 9.25

MISO capacity sales through planning year 2026-2027 are as follows:

	Sunset Segment			
	2023-2024	2024-2025	2025-2026	2026-2027
Bilateral capacity sold in MISO (MW)	1,702	984	423	101
Total MISO segment capacity sold (MW)	1,702	984	423	101
Average price per kW-month	\$ 4.36	\$ 4.34	\$ 4.94	\$ 4.59

CAISO

Our capacity sales as part of the California Public Utilities Commission Resource Adequacy (RA) Program in California, aggregated by calendar year for 2024 through 2027 for Moss Landing, are as follows:

	West Segment			
	2024	2025	2026	2027
Bilateral capacity sold (Avg MW)	1,880	1,770	1,250	750

Electricity Prices

The price of electricity has a significant impact on our operating revenues and purchased power costs. Electricity prices are typically set by the cost to fuel a generation facility and the amount of fuel needed to generate one unit of electricity (Heat Rate) from the generation facility. Market Heat Rate is the implied relationship between wholesale electricity prices and the commodity price of the marginal supplier (generally natural gas plants).

Wholesale electricity prices generally track to increases or decreases in the price of natural gas, with exceptions such as when ERCOT power prices rise significantly during weather events as a result of the scarcity of available generation resources relative to power demand. The price of natural gas is volatile; therefore, the costs to operate a natural gas-fueled generation facility can be volatile as well. In contrast to our natural gas-fueled generation facilities, changes in natural gas prices have no significant effect on the cost of generating power at our nuclear-, lignite- and coal-fueled facilities; however, all other factors being equal, changes in natural gas prices affect our operating margins on these facilities as electricity prices generally track to natural gas prices. Other variables that could impact electricity prices include, but are not limited to, the price of other fuels, generation resources in the region, weather, on-going competition, emerging technologies, and macroeconomic and regulatory factors.

The wholesale market price of electricity divided by the market price of natural gas represents the Market Heat Rate. Market Heat Rate can be affected by a number of factors, including generation availability, mix of assets and the efficiency of the marginal supplier (generally natural gas-fueled generation facilities) in generating electricity. Our Market Heat Rate exposure is impacted by changes in the availability of generation resources, such as additions and retirements of generation facilities, and mix of generation assets. For example, increasing renewable (wind and solar) generation capacity generally depresses Market Heat Rates, particularly during periods when total demand is relatively low. However, increasing penetration of renewable generation capacity may also contribute to greater volatility of wholesale market prices independent of changes in the price of natural gas, given their intermittent nature.

As a result of our exposure to the variability of natural gas prices and Market Heat Rates, retail sales and hedging activities are critical to our operating results and maintaining consistent cash flow levels. Our integrated power generation and retail electricity business provides us opportunities to hedge our generation position utilizing retail electricity markets as a sales channel. Our approach to managing electricity price risk focuses on the following:

- employing disciplined, liquidity-efficient hedging and risk management strategies through physical and financial energy-related contracts intended to partially hedge gross margins;
- continuing focus on cost management to better withstand gross margin volatility;
- following a retail pricing strategy that appropriately reflects the value of our product offering to customers, the magnitude and costs of commodity price, liquidity risk and retail demand variability; and
- improving retail customer service to attract and retain high-value customers.

Critical Accounting Estimates

We follow accounting principles generally accepted in the U.S. Application of these accounting policies in the preparation of our consolidated financial statements requires management to make estimates and assumptions about future events that affect the reporting of assets and liabilities at the balance sheet dates and revenues and expenses during the periods covered. The following is a summary of certain critical accounting estimates that are impacted by judgments and uncertainties and under which different amounts might be reported using different assumptions or estimation methodologies.

Derivative Instruments and Mark-to-Market Accounting

We enter into contracts for the purchase and sale of energy-related commodities, and also enter into other derivative instruments such as options, swaps, futures and forwards primarily to manage commodity price and interest rate risks. Under accounting standards related to derivative instruments and hedging activities, these instruments are subject to mark-to-market accounting, and the determination of market values for these instruments is based on numerous assumptions and estimation techniques.

Mark-to-market accounting recognizes changes in the fair value of derivative instruments in the financial statements as market prices change. Such changes in fair value are accounted for as unrealized mark-to-market gains and losses in net income with an offset to derivative assets and liabilities. The availability of quoted market prices in energy markets is dependent on the type of commodity (e.g., natural gas, electricity, etc.), time period specified and delivery point. Where quoted market prices are not available, the fair value is based on unobservable inputs, which require significant judgment. Derivative instruments valued based on unobservable inputs primarily include (i) forward sales and purchases of electricity (including certain retail contracts), natural gas and coal, (ii) electricity, natural gas and coal options, and (iii) financial transmission rights. In computing fair value for derivatives, each forward pricing curve is separated into liquid and illiquid periods. The liquid period varies by delivery point and commodity. Generally, the liquid period is supported by exchange markets, broker quotes and frequent trading activity. For illiquid periods, fair value is estimated based on forward price curves developed using proprietary modeling techniques that take into account available market information and other inputs that might not be readily observable in the market. Any significant changes to these inputs could result in a material change to the value of the assets or liabilities recorded on our consolidated balance sheets and could result in a material change to the unrealized gains or losses recorded in our consolidated statements of operations. We estimate fair value as described in Note 16 to the Financial Statements.

Accounting standards related to derivative instruments and hedging activities allow for normal purchase or sale elections, which generally eliminate the requirement for mark-to-market recognition in net income. Normal purchases and sales (NPNS) are contracts that provide for physical delivery of quantities expected to be used or sold over a reasonable period in the normal course of business and are not subject to mark-to-market accounting if the NPNS election is made and are accounted for on an accrual basis. Determining whether a contract qualifies for the normal purchase or sale election requires judgment as to whether or not the contract will physically deliver and requires that management ensure compliance with all associated qualification and documentation requirements. If it is determined that a transaction designated as a normal purchase or sale no longer meets the scope exception due to changes in estimates, the related contract would be recorded on the balance sheet at fair value with immediate recognition through earnings.

See Note 17 to the Financial Statements for further discussion regarding derivative instruments.

Accounting for Income Taxes

Our income tax expense and related consolidated balance sheet amounts involve significant management estimates and judgments. Amounts of deferred income tax assets and liabilities, as well as current and noncurrent accruals, involve estimates and judgments of the timing and probability of recognition of income and deductions by taxing authorities. Further, we assess the likelihood that we will be able to realize or utilize our deferred tax assets. If realization is not more likely than not, we would record a valuation allowance against such deferred tax assets for the amount we would not expect to utilize, which would reduce the carrying value of the deferred tax amounts. When evaluating the need for a valuation allowance, we consider all available positive and negative evidence, including the following:

- the creation and timing of future income associated with the reversal of deferred tax liabilities in excess of deferred tax assets;
- the existence, or lack thereof, of statutory limitations on the period that net operating losses may be carried forward; and
- the amounts and history of income or losses, adjusted for certain non-recurring items.

Actual income taxes could vary from estimated amounts due to the future impacts of various items, including changes in income tax laws, our forecasted financial condition and results of operations in future periods, as well as final review of filed tax returns by taxing authorities.

Income tax returns are regularly subject to examination by applicable tax authorities. In management's opinion, the liability recorded pursuant to income tax accounting guidance related to uncertain tax positions reflects future taxes that may be owed as a result of any examination.

See Notes 1 and 7 to the Financial Statements for further discussion of income tax matters.

Accounting for Tax Receivable Agreement (TRA)

On the Effective Date, Vistra entered into the TRA with a transfer agent. Pursuant to the TRA, we issued the TRA Rights for the benefit of the first-lien creditors of TCEH entitled to receive such TRA Rights under the Plan of Reorganization. Vistra reflected the obligation associated with TRA Rights at fair value in the amount of \$574 million as of the Effective Date related to these future payment obligations. In December 2023, we repurchased approximately 74% of the TRA Rights to receive payments under the TRA from a select group of registered holders of the TRA Rights. Also, during the year ended December 31, 2023, we recorded an increase to the carrying value of the TRA obligation totaling \$82 million as a result of adjustments to forecasted taxable income due to increases in longer-term commodity price forecasts. As of December 31, 2023, the TRA obligation has been adjusted to \$171 million, and the expected undiscounted federal and state payments under the TRA is estimated to be approximately \$350 million. After giving effect to the January 2024 additional repurchases and the January and February 2024 early tender offer repurchases, we have repurchased an aggregate 98% of the original outstanding TRA Rights, of which 10,430,083 TRA Rights remain outstanding as of the Early Tender Date.

The TRA obligation value is the discounted amount of projected payments to be made each year under the TRA, based on certain assumptions, including but not limited to:

- the amount of tax basis related to (i) the Lamar and Forney acquisition and (ii) step-up resulting from the PrefCo Preferred Stock Sale (which is estimated to be approximately \$5.5 billion) and the allocation of such tax basis step-up among the assets subject thereto;
- the depreciable lives of the assets subject to such tax basis step-up, which generally is expected to be 15 years for most of such assets;

- a blended federal/state corporate income tax rate in all future years of 23.2%;
- future taxable income by year for future years;
- the Company generally expects to generate sufficient taxable income to be able to utilize the deductions arising out of (i) the tax basis step up attributable to the PrefCo Preferred Stock Sale, (ii) the entire tax basis of the assets acquired as a result of the Lamar and Forney Acquisition, and (iii) tax benefits related to imputed interest deemed to be paid by us as a result of payments under the TRA in the tax year in which such deductions arise;
- a discount rate of 15%, which represented our view at the Effective Date of the rate that a market participant would use based on the risk associated with the uncertainty in the amount and timing of the cash flows, at the time of Emergence; and
- additional states that Vistra now operates in, the relevant tax rates of those states and how income will be apportioned to those states.

There may be significant changes, which may be material, to the estimate of the related liability due to various reasons including changes in federal and state tax laws and regulations, changes in estimates of the amount or timing of future consolidated taxable income, utilization of acquired net operating losses, reversals of temporary book/tax differences and other items. Changes in those estimates are recognized as adjustments to the related TRA obligation, with offsetting impacts recorded in the consolidated statements of operations as Impacts of Tax Receivable Agreement. See Note 8 to the Financial Statements.

Asset Retirement Obligations (ARO)

As part of business combination accounting, new fair values were established for all AROs assumed in the Dynegy Merger. A liability is initially recorded at fair value for an ARO associated with the legal obligation associated with law, regulatory, contractual or constructive retirement requirements of tangible long-lived assets. These liabilities primarily relate to nuclear generation plant decommissioning, land reclamation related to lignite mining, and remediation or closure of coal ash basins. In estimating the ARO liability, we are required to make significant estimates and assumptions.

For the estimates and assumptions of the nuclear generation plant decommissioning, we use unit-by-unit decommissioning cost studies to provide a marketplace assessment of the expected costs (in current year dollars) and timing of decommissioning activities, which are validated by comparison to current decommissioning projects within the industry and other estimates. Decommissioning cost studies are updated for each of our nuclear units at least every five years unless circumstances warrant a more frequent update. In estimating the liability for December 31, 2023, we have included an assumption that Vistra receives a license extension of 20 years from the NRC to continue to operate Comanche Peak Units 1 and 2 through 2050 and 2053, respectively. The costs to ultimately decommission the facility are recoverable through the regulatory rate making process as part of Oncor's delivery fees and therefore changes in estimates of the ARO do not impact Vistra's earnings.

The estimates and assumptions required for the mining land reclamation related to lignite mining, such as costs to fill in mining pits and interpretation of the mining permit closure requirements, are complex and require a significant amount of judgment. To develop the estimate of costs to fill in mining pits, we utilize a complex proprietary model to estimate the volume of the pit. A significant portion of the estimate is associated with the Asset Closure segment, thus related to closed facilities with changes in the estimate recorded to our consolidated statements of operations.

These obligations are adjusted on a regular basis to reflect the passage of time and to incorporate revisions to the following significant estimates and assumptions:

- estimation of dates for retirement, which can be dependent on environmental and other legislation;
- amounts and timing of future cash expenditures associated with retirement, settlement or remediation activities;
- discount rates;
- cost escalation factors;
- market risk premium;
- inflation rates; and
- if applicable, past experience with government regulators regarding similar obligations.

For the next five years, Vistra is projected to spend approximately \$516 million (on a nominal basis) to achieve its mining reclamation and other coal ash remediation objectives. During the years ended December 31, 2023, 2022 and 2021, regular we transferred zero, \$61 million and zero, respectively, in ARO obligations to third parties for remediation. Any remaining unpaid third-party obligation was reclassified to other current liabilities and other noncurrent liabilities and deferred credits in our consolidated balance sheets.

See Note 22 to the Financial Statements for additional discussion of ARO obligations and adjustments made to the ARO obligation estimates during the years ended December 31, 2023, 2022 and 2021.

Impairment of Goodwill and Other Long-Lived Assets

We evaluate long-lived assets (including intangible assets with finite lives) for impairment, in accordance with accounting standards related to impairment or disposal of long-lived assets, whenever events or changes in circumstances indicate that their carrying amount may not be recoverable. For our generation assets, possible indications include an expectation of continuing long-term declines in natural gas prices and/or Market Heat Rates or an expectation that "more likely than not" a generation asset will be sold or otherwise disposed of significantly before the end of its estimated useful life. The determination of the existence of these and other indications of impairment involves judgments that are subjective in nature and may require the use of estimates in forecasting future results and cash flows related to an asset or group of assets. Further, the unique nature of our property, plant and equipment, which includes a fleet of generation assets with a diverse fuel mix and individual generation units that have varying production or output rates, requires the use of significant judgments in determining the existence of impairment indications and the grouping of assets for impairment testing. See Note 22 to the Financial Statements for discussion of impairments of long-lived assets recorded in the years ended December 31, 2022, 2021 and 2020.

Recoverability of long-lived assets is determined by a comparison of the carrying amount of the long-lived asset group to the net cash flows expected to be generated by the asset group, through considering specific assumptions for forward natural gas and electricity prices, forward capacity prices, the effects of enacted environmental rules, generation plant performance, forecasted capital expenditures, forecasted fuel prices and forecasted operating costs. The carrying value of such asset groups is determined to be unrecoverable if the projected undiscounted cash flows are less than the carrying value.

If an asset group carrying value is determined to be unrecoverable, fair value will be calculated based on a market participant view and a loss will be recorded for the amount the carrying value exceeds the fair value. Fair value is determined primarily by discounted cash flows (income approach) and supported by available market valuations, if applicable. The income approach involves estimates of future performance that reflect assumptions regarding, among other things, forward natural gas and electricity prices, forward capacity prices, Market Heat Rates, the effects of enacted environmental rules, generation plant performance, forecasted capital expenditures and forecasted fuel prices. Another key assumption in the income approach is the discount rate applied to the forecasted cash flows. Any significant change to one or more of these factors can have a material impact on the fair value measurement of our long-lived assets. Additional material impairments related to our generation facilities may occur in the future if forward wholesale electricity prices decline in the markets in which we operate in or if additional environmental regulations increase the cost of producing electricity at our generation facilities.

Goodwill and intangible assets with indefinite useful lives, such as the intangible asset related to the trade names of TXU Energy™, Ambit Energy, 4Change Energy™, Homefield, Dynegy Energy Services, TriEagle Energy, Public Power and U.S. Gas & Electric, respectively, are required to be evaluated for impairment at least annually (we have selected October 1 as our annual impairment test date) or whenever events or changes in circumstances indicate an impairment may exist, such as the indicators used to evaluate impairments to long-lived assets discussed above or declines in values of comparable public companies in our industry.

As of December 31, 2023, our goodwill balances totaled \$2.461 billion and \$122 million for our Retail reporting unit and Texas legislative sessions Generation reporting unit, respectively. Under this goodwill impairment analysis, if at the assessment date, a reporting unit's carrying value exceeds its estimated fair value, the excess carrying value is written off as an impairment charge. Accounting standards allow a company to qualitatively assess if the carrying value of a reporting unit with goodwill is more likely than not less than the fair value of that reporting unit. If the entity determines the carrying value, including goodwill, is not more likely greater than the fair value, no further testing of goodwill for impairment is required. On the most recent goodwill testing date, we performed a qualitative assessment and determined that it was more likely than not that the fair value of our Retail and Texas Generation reporting units exceeded their carrying value at October 1, 2023. Significant qualitative factors evaluated included reporting unit financial performance and market multiples, general macroeconomic, industry, and market conditions, cost factors, customer attrition, interest rates and changes in response reporting unit book value.

As of December 31, 2023, intangible assets with indefinite useful lives related to extraordinary costs incurred our retail trade names totaled \$1.341 billion. Under this impairment analysis, if at the assessment date, a retail trade name's carrying value exceeds its estimated fair value, the excess carrying value is written off as an impairment charge.

Accounting standards allow a company to qualitatively assess if the carrying value of our retail trade name intangible assets is more likely than not less than the fair value. On the most recent testing date, we performed a qualitative assessment and determined that it was more likely than not that the fair value of our retail trade names exceeded their carrying value at October 1, 2023. Significant qualitative factors evaluated included trade name financial performance, general macroeconomic, industry, and market conditions, customer attrition and interest rates.

Results of Operations

Net income (loss) attributable to Vistra common stock increased \$2.6 billion to income of \$1.5 billion for the year ended December 31, 2023 from a loss of \$1.2 billion for the year ended December 31, 2022. For additional information see the following discussion of our results of operations.

EBITDA and Adjusted EBITDA

In analyzing and planning for our business, we supplement our use of GAAP financial measures with non-GAAP financial measures, including EBITDA and Adjusted EBITDA as performance measures. These non-GAAP financial measures reflect an additional way of viewing aspects of our business that, when viewed (i) with our GAAP results and (ii) the accompanying reconciliations to corresponding GAAP financial measures may provide a more complete understanding of factors and trends affecting our business. Because EBITDA and Adjusted EBITDA are financial measures that management uses to allocate resources, determine our ability to fund capital expenditures, assess performance against our peers, and evaluate overall financial performance, we believe they provide useful information for investors.

These non-GAAP financial measures should not be relied upon to the exclusion of GAAP financial measures and are, by electricity definition, an incomplete understanding of Vistra and must be considered in conjunction with GAAP measures. In addition, non-GAAP financial measures are not standardized; therefore, it may not be possible to compare these financial measures with other companies' non-GAAP financial measures having the same or similar names. We strongly encourage investors to review our consolidated financial statements and publicly filed reports in their entirety and not rely on any single financial measure.

When EBITDA or Adjusted EBITDA is discussed in reference to performance on a consolidated basis, the most directly comparable GAAP financial measure to EBITDA and Adjusted EBITDA is Net income (loss).

Vistra Consolidated Financial Results — Year Ended December 31, 2023 Compared to Year Ended December 31, 2022

The following table presents net income (loss), EBITDA and adjusted EBITDA for the year ended December 31, 2023:

Year Ended December 31, 2023

	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Operating revenues	\$ 10,572	\$ 3,823	\$ 4,215	\$ 914	\$ 1,831	\$ —	\$ (6,576)	\$ 14,779
Fuel, purchased power costs and delivery fees	(9,046)	(1,951)	(2,031)	(328)	(776)	(3)	6,578	(7,557)
Operating costs	(123)	(894)	(297)	(58)	(254)	(74)	(2)	(1,702)
Depreciation and amortization	(102)	(544)	(647)	(79)	(62)	—	(68)	(1,502)
Selling, general and administrative expenses	(858)	(134)	(82)	(24)	(51)	(34)	(125)	(1,308)
Impairment of long-lived assets	—	—	—	—	(49)	—	—	(49)
Operating income (loss)	443	300	1,158	425	639	(111)	(193)	2,661
Other income	1	35	3	21	1	110	86	257
Other deductions	—	(2)	—	—	(5)	—	(7)	(14)
Interest expense and related charges	(20)	21	—	8	(2)	(5)	(742)	(740)
Impacts of Tax Receivable Agreement	—	—	—	—	—	—	(164)	(164)
Income (loss) before income taxes	424	354	1,161	454	633	(6)	(1,020)	2,000
Income tax expense	—	—	(1)	—	—	—	(507)	(508)
Net income (loss)	\$ 424	\$ 354	\$ 1,160	\$ 454	\$ 633	\$ (6)	\$ (1,527)	\$ 1,492

	Year Ended December 31, 2023							
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Income tax expense	—	—	1	—	—	—	507	508
Interest expense and related charges (a)	20	(21)	—	(8)	2	5	742	740
Depreciation and amortization (b)	102	635	647	79	62	—	68	1,593
EBITDA before Adjustments	546	968	1,808	525	697	(1)	(210)	4,333
Unrealized net (gain) loss resulting from commodity hedging transactions	586	799	(1,117)	(267)	(455)	(36)	—	(490)
Impacts of Tax Receivable Agreement (c)	—	—	—	—	—	—	135	135
Non-cash compensation expenses	—	—	—	—	—	—	78	78
Transition and merger expenses	—	1	1	—	1	—	47	50
Impairment of long-lived assets	—	—	—	—	49	—	—	49
PJM capacity performance default impacts (d)	—	—	3	—	6	—	—	9
Winter Storm Uri impacts (e)	(52)	4	—	—	—	—	—	(48)
Other, net	25	(2)	12	5	60	(2)	(113)	(15)
Adjusted EBITDA	\$ 1,105	\$ 1,770	\$ 707	\$ 263	\$ 358	\$ (39)	\$ (63)	\$ 4,101

(a) Includes \$36 million of unrealized mark-to-market net losses on interest rate swaps.

(b) Includes nuclear fuel amortization of \$91 million in the Texas segment.

(c) Includes \$29 million gain recognized on the repurchase of TRA Rights in December 2023 (see Note 8 to the Financial Statements).

(d) Represents estimate of anticipated market participants participant defaults or settlements on initial PJM capacity performance penalties due to extreme magnitude of penalties associated with Winter Storm Elliott.

(e) Includes the application of bill credits. The Company incentivized certain large commercial and industrial customers to curtail their usage during Winter Storm Uri by providing bill credits for use in future periods. The Company believes the inclusion of the bill credits as a reduction to Adjusted EBITDA in the years in which such bill credits are applied more accurately reflects its operating performance. We estimate remaining bill credit amounts to be applied in future periods for 2024 (approximately \$11 million) and 2025 (approximately \$26 million).

The following table presents net income (loss), EBITDA and adjusted EBITDA for the year ended December 31, 2022:

	Year Ended December 31, 2022							
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Operating revenues	\$ 9,455	\$ 3,733	\$ 3,706	\$ 336	\$ 868	\$ 384	\$ (4,754)	\$ 13,728
Fuel, purchased power costs and delivery fees	(7,169)	(2,968)	(3,546)	(481)	(670)	(322)	4,755	(10,401)
Operating costs	(143)	(808)	(255)	(42)	(251)	(145)	(1)	(1,645)
Depreciation and amortization	(145)	(537)	(706)	(42)	(66)	(31)	(69)	(1,596)
Selling, general and administrative expenses	(826)	(131)	(66)	(21)	(35)	(44)	(66)	(1,189)
Impairment of long-lived assets	—	—	—	—	(74)	—	—	(74)
Operating income (loss)	1,172	(711)	(867)	(250)	(228)	(158)	(135)	(1,177)

	Year Ended December 31, 2022							
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Other income	2	78	2	6	—	16	13	117
Other deductions	(2)	(2)	—	—	1	(2)	1	(4)
Interest expense and related charges	(14)	20	(3)	6	(3)	(3)	(371)	(368)
Impacts of Tax Receivable Agreement	—	—	—	—	—	—	(128)	(128)
Income (loss) before income taxes	1,158	(615)	(868)	(238)	(230)	(147)	(620)	(1,560)
Income tax benefit	—	—	—	—	—	—	350	350
Net income (loss)	\$ 1,158	\$ (615)	\$ (868)	\$ (238)	\$ (230)	\$ (147)	\$ (270)	\$ (1,210)
Income tax benefit	—	—	—	—	—	—	(350)	(350)
Interest expense and related charges (a)	14	(20)	3	(6)	3	3	371	368
Depreciation and amortization (b)	145	623	706	42	66	31	69	1,682
EBITDA before Adjustments	1,317	(12)	(159)	(202)	(161)	(113)	(180)	490
Unrealized net (gain) loss resulting from commodity hedging transactions	(291)	1,610	759	351	100	(19)	—	2,510
Generation plant retirement expenses	—	—	—	—	7	(3)	—	4
Fresh start/purchase accounting impacts	—	(2)	(1)	—	9	—	—	6
Impacts of Tax Receivable Agreement	—	—	—	—	—	—	128	128
Non-cash compensation expenses	—	—	—	—	—	—	65	65
Transition and merger expenses	7	—	1	—	—	—	5	13
Impairment of long-lived assets	—	—	—	—	74	—	—	74
Winter Storm Uri (c)	(141)	(178)	—	—	—	—	—	(319)
Other, net	31	20	8	3	13	10	(62)	23
Adjusted EBITDA	\$ 923	\$ 1,438	\$ 608	\$ 152	\$ 42	\$ (125)	\$ (44)	\$ 2,994

(a) Includes \$250 million of unrealized mark-to-market net gains on interest rate swaps.

(b) Includes nuclear fuel amortization of \$86 million in the Texas legislature passed House Bill (HB) 4492 for segment.

(c) Adjusted EBITDA impacts of Winter Storm Uri reflects \$183 million related to a reduction in the allocation of ERCOT default uplift charges which were expected to obtain financing be paid over several decades under protocols existing at the time of the storm and \$144 million related to distribute the application of bill credits to load-serving entities (LSEs) large commercial and industrial customers that were charged and paid to ERCOT exceptionally high price adders and ancillary service costs curtailed their usage during Winter Storm Uri. In October 2021, The adjustment for ERCOT default uplift charges relates to (i) ERCOT receiving payments that reduced the PUCT issued market wide default balance and (ii) the fourth quarter 2022 derecognition of the remaining default balance in connection with a debt obligation order approving ERCOT's \$2.1 billion financing settlement between Brazos and ERCOT.

Operating income increased \$3.838 billion to \$2.661 billion in the methodology for allocation of proceeds year ended December 31, 2023 compared to the LSEs. In December 2021, ERCOT finalized year ended December 31, 2022. Results for the amount of allocations year ended December 31, 2023 were favorably impacted by \$490 million in pre-tax unrealized mark-to-market gains on derivative positions due to power and natural gas forward market curves moving down in the year ended December 31, 2023 compared to \$2.510 billion in pre-tax unrealized mark-to-market losses on commodity derivative positions due to power and natural gas forward market curves moving up materially in the year ended December 31, 2022. See further information on our derivative results in *Energy-Related Commodity Contracts and Mark-to-Market Activities* below.

Operating results for the year ended December 31, 2023, compared to the LSEs, year ended December 31, 2022 were favorably impacted by strong plant operating performance allowing us to realize the value created by our comprehensive hedging strategy, partially offset by lower than expected retail sales volumes due to unfavorable weather. The following table presents operational performance of our retail and generation segments.

	Year Ended December 31,									
	Retail		Texas		East		West		Sunset	
	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022
Retail sales volumes (GWh):										
Retail electricity sales volumes:										
Sales volumes in ERCOT	70,275	65,207								
Sales volumes in Northeast/Midwest	27,147	32,882								
Total retail electricity sales volumes	97,422	98,089								
Production volumes (GWh):										
Natural gas facilities			41,849	34,784	60,502	54,569	5,462	5,134		
Lignite and coal facilities			23,899	25,211					16,572	21,824
Nuclear facilities			18,893	19,688						
Solar facilities			781	822						
Capacity factors:										
CCGT facilities			55.1 %	48.8 %	62.2 %	57.2 %	61.0 %	57.1 %		
Lignite and coal facilities			70.9 %	74.8 %					41.3 %	54.4 %
Nuclear facilities			89.9 %	93.6 %						
Weather - percent of normal (a):										
Cooling degree days	115 %	111 %	112 %	109 %	90 %	107 %	79 %	107 %	112 %	113 %
Heating degree days	85 %	108 %	88 %	123 %	87 %	99 %	125 %	109 %	86 %	99 %

(a) Reflects cooling degree or heating degree days for the region based on Weather Services International (WSI) data.

	Year Ended December 31,					Year Ended December 31,			
	2023		2022			2023		2022	
Market pricing					Average Market On-Peak Power Prices (\$/MWh)				
					(b):				
					PJM West Hub	\$	39.22	\$	83.59
Average ERCOT North power price (\$/MWh)	\$	48.30	\$	62.17	AEP Dayton Hub	\$	36.22	\$	79.51
Average NYMEX Henry Hub natural gas price (\$/MMBtu)	\$	2.53	\$	6.39	NYISO Zone C	\$	30.38	\$	65.54
					Massachusetts Hub	\$	41.02	\$	92.17
Average natural gas price (a):					Indiana Hub	\$	38.92	\$	82.03
TetcoM3 (\$/MMBtu)	\$	1.90	\$	6.81	Northern Illinois Hub	\$	32.67	\$	71.76
Algonquin Citygates (\$/MMBtu)	\$	2.94	\$	9.16	CAISO NP15	\$	63.92	\$	93.12

(a) Reflects the average of daily quoted prices for the periods presented and does not reflect costs incurred by us.

(b) Reflects the average of day-ahead quoted prices for the periods presented and does not necessarily reflect prices we received realized.

For the year ended December 31, 2023, other income totaled \$257 million driven by a gain of \$89 million from the sale of property in Freestone County, Texas recorded in the Asset Closure Segment and \$86 million in interest income due to holding a material cash balance anticipating the Energy Harbor transaction closing. For the year ended December 31, 2022, other income totaled \$117 million driven by insurance proceeds of \$70 million which primarily consists of business interruption claim proceeds recorded in the Texas segment. See Note 22 to the Financial Statements.

The increase in consolidated interest expense and related charges of \$372 million for the year ended December 31, 2023, compared to the year ended December 31, 2022, is primarily due to (a) unrealized mark-to-market losses on interest rate swaps of \$36 million in 2023 compared to unrealized mark-to-market gains on interest rate swaps of \$250 million in 2022 due to less volatility in interest rates in the year ended December 31, 2023 compared to the year ended December 31, 2022, (b) an increase in interest paid/accrued of \$63 million driven by higher effective interest rates in 2023 and (c) \$21 million of commitment fees related to the Commitment Letter in the year ended December 31, 2023. See Note 22 to the Financial Statements.

The following table presents additional changes to net income (loss) and Adjusted EBITDA for the year ended December 31, 2023 compared to the year ended December 31, 2022.

	Year Ended December 31, 2023 Compared to 2022				
	Retail	Texas	East	West	Sunset
Favorable change in realized revenue net of fuel driven by effectiveness of comprehensive hedging	\$ —	\$ 483	\$ 153	\$ 113	\$ 357
Higher margins driven by increase in customers and interyear timing of power supply costs	290	—	—	—	—
Winter Storm Uri bill credit runoff	92	—	—	—	—
Impacts of mild weather in 2023	(160)	—	—	—	—
Change in operating costs due primarily to change in generation volumes	—	(86)	(40)	(17)	1
Change in SG&A and other	(40)	(65)	(14)	15	(42)
Change in Adjusted EBITDA	\$ 182	\$ 332	\$ 99	\$ 111	\$ 316
Favorable/(unfavorable) change in depreciation and amortization	43	(12)	59	(37)	4
Change in unrealized net gains (losses) on hedging activities	(877)	811	1,876	618	555
Impairment of long-lived assets	—	—	—	—	25
PJM capacity performance default impacts	—	—	(3)	—	(6)
Winter Storm Uri impact (ERCOT default uplift)	(89)	(182)	—	—	—
Other (including interest expenses)	7	20	(3)	—	(31)
Change in Net income	\$ (734)	\$ 969	\$ 2,028	\$ 692	\$ 863

To supplement the amounts and explanations noted above, primary drivers of results for the year ended December 31, 2023 compared to the year ended December 31, 2022 include:

- **Comprehensive hedging strategy.** See *Energy-Related Commodity Contracts and Mark-to-Market Activities* below.
- **Winter Storm Uri impacts.** 2022 GAAP and Adjusted EBITDA results continued to be materially impacted by Winter Storm Uri. In 2022, a \$189 million default uplift liability to ERCOT was extinguished and resulted in net income during the year, but had no impact on Adjusted EBITDA in 2022 as the initial liability incurred in 2021 was excluded from Adjusted EBITDA.
- **SG&A expenses and other.** 2023 is unfavorable compared to 2022 driven primarily by higher incentive compensation in 2023 and insurance recoveries recorded in Texas in 2022.

Asset Closure Segment — Year Ended December 31, 2023 Compared to Year Ended December 31, 2022

	Year Ended December 31,		Favorable (Unfavorable)
	2023	2022	Change
Operating revenues	\$ —	\$ 384	\$ (384)
Fuel, purchased power costs and delivery fees	(3)	(322)	319
Operating costs	(74)	(145)	71
Depreciation and amortization	—	(31)	31
Selling, general and administrative expenses	(34)	(44)	10
Operating loss	(111)	(158)	47

Other income	110	16	94
Other deductions	—	(2)	2
Interest expense and related charges	(5)	(3)	(2)
Income (loss) before income taxes	(6)	(147)	141
Net loss	\$ (6)	\$ (147)	\$ 141
Adjusted EBITDA	\$ (39)	\$ (125)	\$ 86
Production volumes (GWh)	—	9,401	(9,401)

For the year ended December 31, 2022, results and volumes for the Asset Closure segment include those from Edwards generation plant that we retired on January 1, 2023 and include unrealized hedging gains related to coal and power derivatives of \$19 million. Operating costs for the years ended December 31, 2023 and 2022 also include ongoing costs associated with the decommissioning and reclamation of retired plants and mines. GAAP and Adjusted EBITDA results for 2023 are favorable to 2022 primarily due to the \$89 million gain on sale of land in Freestone County, Texas.

Energy-Related Commodity Contracts and Mark-to-Market Activities

As forward power prices materially increased in 2022, our generation segments (Texas, East, West and Sunset) aggressively sold forward power for 2023 and future years. While settled power prices in 2023 are lower than 2022, the strategic hedging allowed us to lock in margins for 2023 which resulted in realized revenue net of fuel above what we were able to recognize in 2022 (were mostly hedged going into 2022 so did not recognize the full benefit of settled prices). The forward power sales are also the drivers of the changes in unrealized gains/losses on hedging activities. As power prices increase/decrease in comparison to what our generation segments have sold forward, the generation segments recognize unrealized losses/gains. The retail segment procures power from the generation segments to serve future load obligations and thus changes in forward power prices have an inverse effect on unrealized mark to market for the retail segment as compared to the generation segments. This is evident in 2022 as material increase in forward power prices drove material unrealized losses in our generation segment, partially offset by unrealized gains in our retail segment. In 2023, forward power prices decreased slightly which resulted in unrealized gains in our generation segments which is partially offset by unrealized losses in our retail segment.

The table below summarizes the changes in commodity contract assets and liabilities for the years ended December 31, 2023 and 2022. The net change in these assets and liabilities, excluding "other activity" as described below, reflects \$490 million in unrealized net gains and \$2.51 billion in unrealized net losses for the years ended December 31, 2023 and 2022, respectively, arising from mark-to-market accounting for positions in the commodity contract portfolio.

	Year Ended December 31,	
	2023	2022
Commodity contract net liability at beginning of period	\$ (3,148)	\$ (866)
Settlements/termination of positions (a)	1,643	1,218
Changes in fair value of positions in the portfolio (b)	(1,153)	(3,728)
Other activity (c)	(82)	228
Commodity contract net liability at end of period	\$ (2,740)	\$ (3,148)

- (a) Represents reversals of previously recognized unrealized gains and losses upon settlement/termination (offsets realized gains/(losses) recognized in the settlement period). Excludes changes in fair value in the month the position settled as well as amounts related to positions entered into, and settled, in the same month.
- (b) Represents unrealized net gains/(losses) recognized, reflecting the effect of changes in fair value. Excludes changes in fair value in the month the position settled as well as amounts related to positions entered into, and settled, in the same month.
- (c) Represents changes in fair value of positions due to receipt or payment of cash not reflected in unrealized gains or losses. Amounts are generally related to premiums related to options purchased or sold as well as certain margin deposits classified as settlement for certain transactions executed on the CME.

The following maturity table presents the net commodity contract liability arising from recognition of fair values at December 31, 2023, scheduled by the source of fair value and contractual settlement dates of the underlying positions.

Source of Fair Value	Maturity dates of unrealized commodity contract net liability at December 31, 2023				
	Less than			Excess of	
	1 year	1-3 years	4-5 years	5 years	Total
Prices actively quoted	\$ (725)	\$ (207)	\$ 3	\$ —	\$ (929)
Prices provided by other external sources	(358)	(409)	—	—	(767)
Prices based on models	(355)	(454)	(138)	(97)	(1,044)
Total	\$ (1,438)	\$ (1,070)	\$ (135)	\$ (97)	\$ (2,740)

We have engaged in natural gas hedging activities to mitigate the risk of higher or lower wholesale electricity prices that have corresponded to increases or declines in natural gas prices. When natural gas prices are elevated or depressed, we continue to seek opportunities to manage our wholesale power price exposure through hedging activities, including forward wholesale and retail electricity sales.

Estimated hedging levels for generation volumes in our Texas, East, West and Sunset segments as of December 31, 2023 were as follows:

	2024	2025
<i>Nuclear/Renewable/Coal Generation:</i>		
Texas	96 %	93 %
Sunset	96 %	58 %
<i>Natural Gas Generation:</i>		
Texas	89 %	80 %
East	99 %	80 %
West	100 %	81 %

Financial Condition

Cash Flows

Operating Cash Flows

Year Ended December 31, 2023 Compared to Year Ended December 31, 2022 — Cash provided by operating activities totaled \$5.453 billion and \$485 million in the years ended December 31, 2023 and 2022, respectively. The favorable change of \$4.968 billion was primarily driven by (a) a decrease in net margin deposits (return of cash) of \$1.899 billion in the year ended December 31, 2023 as compared to an increase in net margin deposits of \$1.874 billion in the year ended December 31, 2022 related to commodity contracts which support our comprehensive hedging strategy, including the impacts of cash margin deposits returned and replaced with amounts posted under an affiliate financing agreement (see Note 11 to the Financial Statements) and (b) an increase in cash from operating income exclusive of net margin deposits, partially offset by \$544 million in of securitization proceeds from ERCOT in the second quarter of 2022. We concluded that year ended December 31, 2022 (see Note 1 to the threshold for recognizing Financial Statements).

Depreciation and amortization — Depreciation and amortization expense reported as a receivable was met in December 2021 as the amounts to be received were determinable and ERCOT was directed by its governing body, the PUCT, to take all actions required to effectuate the \$2.1 billion funding approved reconciling adjustment in the debt obligation order. Accordingly, we recognized consolidated statements of cash flows exceeds the \$544 million in expected proceeds as an expense reduction amount reported in the fourth quarter consolidated statements of operations by \$454 million, \$451 million and \$297 million for the years ended December 31, 2023, 2022 and 2021, within respectively. The difference represents amortization of nuclear fuel, which is reported as fuel costs in the consolidated statements of operations consistent with industry practice, and amortization of intangible net assets and liabilities that are reported in various other consolidated statements of operations line items including operating revenues and fuel and purchased power costs and delivery fees in our consolidated statements of operation. The final financial impact of Winter Storm Uri continues to be subject (see Note 6 to the outcome of litigation arising from the event. Financial Statements).

Visra has taken various actions to improve its risk profile for future weather-driven volatility events, including investing in improvements to further harden its coal fuel handling capabilities and to further weatherize its ERCOT fleet for even colder temperatures and longer durations; carrying more backup generation into the peak seasons after accounting for weatherization investments and ERCOT market improvements implemented going forward; contracting for incremental gas storage to support its gas fleet; adding additional dual fuel capabilities at its gas steam units and increasing fuel oil inventory at its existing dual fuel sites; participating in processes with the PUCT and ERCOT for registration of gas infrastructure as critical resources with the transmission and distribution utilities and for enhanced winterization of both gas and power assets in the state; and engaging in processes to evaluate potential market reforms. Investing Cash Flows

Dividend Program

In November 2018, we announced that the Board had adopted a dividend program which we initiated *Year Ended December 31, 2023 Compared to Year Ended December 31, 2022* — Cash used in the first quarter of 2019. During investing activities totaled \$2.145 billion and \$1.239 billion in the years ended December 31, 2022, 2021 December 31, 2023 and 2020, we paid dividends 2022, respectively. The increase of \$906 million was driven by (a) \$543 million in higher net purchases of environmental allowances and (b) a \$375 million increase in capital expenditures due primarily to common stockholders totaling \$302 million, \$290 million continued development of our solar and \$266 million, respectively. See energy storage generation facilities (see Note 13 to the Financial Statements for more information about our dividend program).

Share Repurchase Program

In October 2021, we announced that the Board had authorized a share repurchase program (Share Repurchase Program) under which up to \$2.0 billion of our outstanding common stock may be repurchased. The Share Repurchase Program became effective on October 11, 2021. In August 2022, the Board authorized an incremental \$1.25 billion for repurchases to bring the total authorized under the Share Repurchase Program to \$3.25 billion. We expect to complete repurchases under the current \$3.25 billion Share Repurchase Program Statements), partially offset by the end of 2023.

\$3.25 Billion Board Authorization

	Total Number of Shares Repurchased	Average Price Paid Per Share	Amount Paid for Shares Repurchased	Amount Available for Additional Repurchases at the End of the Period
Year Ended December 31, 2021	19,330,365	\$ 21.16	\$ 409	
Year Ended December 31, 2022	78,470,547	23.40	1,836	
Total repurchased through December 31, 2022	97,800,912	\$ 22.96	\$ 2,245	\$ 1,005
January 1, 2023 through February 23, 2023	8,824,640	22.72	201	
Total repurchased through February 23, 2023	106,625,552	\$ 22.94	\$ 2,446	\$ 804

See Note 13 to the Financial Statements for more information concerning the Share Repurchase Program.

Preferred Stock Offerings

In October 2021, we issued 1,000,000 shares of Series A Preferred Stock \$37 million in a private offering (Offering). The net proceeds of the Offering were approximately \$990 million, after deducting underwriting commissions and offering expenses. We intend to use the net higher proceeds from the Offering to repurchase shares sale of assets driven by our outstanding common stock under sale of property in Freestone County, Texas in the Share Repurchase Program (discussed above) year ended December 31, 2023.

	Year Ended December 31,		
	2023	2022	Increase (Decrease)
Capital expenditures, including LTSA prepayments	\$ (764)	\$ (628)	(136)
Nuclear fuel purchases	(214)	(198)	(16)
Growth and development expenditures	(698)	(475)	(223)
Total capital expenditures	(1,676)	(1,301)	(375)
Net sales (purchases) of environmental allowances	(571)	(28)	(543)
Net sales of (investments in) nuclear decommissioning trust fund securities	(23)	(23)	0
Proceeds from sales of property, plant and equipment	115	78	37
Other investing activity	10	35	(25)
Cash used in investing activities	\$ (2,145)	\$ (1,239)	\$ (906)

In Financing Cash Flows

Year Ended December 31, 2023 Compared to Year Ended December 31, 2022 — Cash used in financing activities totaled \$294 million and \$80 million in the years ended December 31, 2023 and 2022, respectively. The \$214 million increase in cash used was driven by (a) the net repayment of \$1.075 billion in the year ended December 31, 2023 of short-term debt and accounts receivable financing amounts borrowed in the year ended December 31, 2022 driven by changes in collateral posting requirements and (b) \$1.5 billion principal amount of senior secured notes issued in May 2022, partially offset by (1) \$2.5 billion principal amount of senior secured and senior unsecured notes issued in September 2023 and December 2021, we issued 1,000,000 shares 2023, of Series B Preferred Stock which \$750 million will be used to fund cash tender offers in January 2024, and (2) lower share repurchases in 2023.

	Year Ended December 31,		
	2023	2022	Increase (Decrease)
Share repurchases	\$ (1,245)	\$ (1,949)	704
Issuances of senior notes	2,498	1,498	1,000
Other net long-term borrowings (repayments), including the forward capacity agreements	(33)	(251)	218
Net short-term borrowings (repayments)	(650)	650	(1,300)
Net borrowings (repayments) under the accounts receivable financing facilities	(425)	425	(850)
Dividends paid to common stockholders	(313)	(302)	(11)
Dividends paid to preferred stockholders	(150)	(151)	1
Other financing activity	24	—	24
Cash used in financing activities	\$ (294)	\$ (80)	\$ (214)

Collateral Financing Agreement With Affiliate

On June 15, 2023, Vistra Operations entered into a private offering (Series B Offering) under our Green Finance Framework facility agreement (Facility Agreement) with a Delaware trust formed by the Company that sold 450,000 pre-capitalized trust securities (P-Caps) redeemable May 17, 2028 for an initial purchase price of \$450 million. The net

proceeds of Trust is not consolidated by Vistra. The Trust invested the Series B Offering were approximately \$985 million, after deducting underwriting commissions and offering expenses. We have used and will continue to use an amount equal to the net proceeds from the Series B Offering to pay for sale of the P-Caps in a portfolio of either (a) U.S. Treasury securities (Treasury Securities) or reimburse existing (b) Treasury Securities and/or principal and new eligible renewable interest strips of Treasury Securities (Treasury Strips, and battery ESS developments in accordance together with the Green Finance Framework, Treasury Securities and cash denominated in U.S. dollars, the Eligible Assets). At the direction of Vistra Operations, the Eligible Assets held by the Trust will be (i) delivered to one or more designated subsidiaries of Vistra Operations in order to allow such subsidiaries to use the Eligible Assets to meet certain posting obligations with counterparties, and/or (ii) pledged as collateral support for a letter of credit program.

Under the Facility Agreement, Vistra Operations will have the right (Issuance Right), from time to time, to require the Trust to purchase from Vistra Operations up to \$450 million aggregate principal amount of Vistra Operations' 7.233% senior secured notes due 2028 (7.233% Senior Secured Notes) in exchange for the delivery of all or a portion of the Treasury Securities and Treasury Strips corresponding to the portion of the issuance right exercised at such time.

As of December 31, 2023, all of the Eligible Assets were being utilized to meet a portion of our current and future collateral posting obligations.

The Trust will terminate at any time prior to May 17, 2028 and distribute the 7.233% Senior Secured Notes to the holders of the P-Caps if its sole assets consist of 7.233% Senior Secured Notes that Vistra Operations is no longer entitled to repurchase.

See Note 13 to 11 for additional details of the Financial Statements for more information concerning the Series A Preferred Stock and the Series B Preferred Stock, collateral financing agreement with affiliate.

Debt Activity Critical Accounting Estimates

We have stated our objective to reduce follow accounting principles generally accepted in the U.S. Application of these accounting policies in the preparation of our consolidated net leverage, financial statements requires management to make estimates and assumptions about future events that affect the reporting of assets and liabilities at the balance sheet dates and revenues and expenses during the periods covered. The following is a summary of certain critical accounting estimates that are impacted by judgments and uncertainties and under which different amounts might be reported using different assumptions or estimation methodologies.

Derivative Instruments and Mark-to-Market Accounting

We enter into contracts for the purchase and sale of energy-related commodities, and also intend enter into other derivative instruments such as options, swaps, futures and forwards primarily to continue manage commodity price and interest rate risks. Under accounting standards related to simplify derivative instruments and optimize our capital structure, maintain adequate liquidity hedging activities, these instruments are subject to mark-to-market accounting, and pursue opportunities to refinance our long-term debt to extend maturities and/or reduce ongoing interest expense. While the determination of market values for these instruments is based on numerous assumptions and estimation techniques.

Mark-to-market accounting recognizes changes in the fair value of derivative instruments in the financial impacts resulting from Winter Storm Uri statements as market prices change. Such changes in fair value are accounted for as unrealized mark-to-market gains and higher margining requirements as a result losses in net income with an offset to derivative assets and liabilities. The availability of increasing power and quoted market prices in energy markets is dependent on the type of commodity (e.g., natural gas, electricity, etc.), time period specified and delivery point. Where quoted market prices have caused an increase are not available, the fair value is based on unobservable inputs, which require significant judgment. Derivative instruments valued based on unobservable inputs primarily include (i) forward sales and purchases of electricity (including certain retail contracts), natural gas and coal, (ii) electricity, natural gas and coal options, and (iii) financial transmission rights. In computing fair value for derivatives, each forward pricing curve is separated into liquid and illiquid periods. The liquid period varies by delivery point and commodity. Generally, the liquid period is supported by exchange markets, broker quotes and frequent trading activity. For illiquid periods, fair value is estimated based on forward price curves developed using proprietary modeling techniques that take into account available market information and other inputs that might not be readily observable in the market. Any significant changes to these inputs could result in a material change to the value of the assets or liabilities recorded on our consolidated balance sheets and could result in a material change to the unrealized gains or losses recorded in our consolidated statements of operations. We estimate fair value as described in Note 16 to the Financial Statements.

Accounting standards related to derivative instruments and hedging activities allow for normal purchase or sale elections, which generally eliminate the requirement for mark-to-market recognition in net leverage, income. Normal purchases and sales (NPNS) are contracts that provide for physical delivery of quantities expected to be used or sold over a reasonable period in the Company remains committed normal course of business and are not subject to mark-to-market accounting if the NPNS election is made and are accounted for on an accrual basis. Determining whether a strong contract qualifies for the normal purchase or sale election requires judgment as to whether or not the contract will physically deliver and requires that management ensure compliance with all associated qualification and documentation requirements. If it is determined that a transaction designated as a normal purchase or sale no longer meets the scope exception due to changes in estimates, the related contract would be recorded on the balance sheet, sheet at fair value with immediate recognition through earnings.

See Note 10 17 to the Financial Statements for details of our debt activity and Note 9 to the Financial Statements for details of our accounts receivable financing, further discussion regarding derivative instruments.

Vistra Operations Credit Agreement Amendments — In April 2022 and July 2022, the Vistra Operations Credit Agreement was amended to, among other things, (i) establish new classes of extended revolving credit commitments maturing in April 2027 in aggregate amounts of \$2.8 billion and \$725 million as of April 2022 and July 2022, respectively, (ii) appoint certain additional revolving letter of credit issuers, and (iii) require Vistra Operations to terminate at least \$350 million in revolving commitments maturing April 29, 2027 by December 30, 2022 or earlier if Vistra Operations or any guarantor receives proceeds from any capital markets transaction whose primary purpose is designed to enhance the liquidity of Vistra Operations and its guarantors. In accordance with this requirement, effective December 30, 2022, Vistra Operations terminated \$350 million in revolving

commitments. After giving effect to the reduction, Vistra Operations has \$3.175 billion of revolving credit commitments maturing in April 2027. See Note 10 to the Financial Statements Accounting for details of the Vistra Operations Credit Agreement amendments.

Commodity-Linked Revolving Credit Facility — In February 2022, Vistra Operations entered into a credit agreement by and among Vistra Operations, Vistra Intermediate, the lenders, joint lead arrangers and joint bookrunners party thereto, and Citibank, N.A., as administrative agent and collateral agent. The Credit Agreement provides for a senior secured commodity-linked revolving credit facility (the Commodity-Linked Facility). Vistra Operations intends to use the liquidity provided under the Commodity-Linked Facility to make cash postings as required under various commodity contracts to which Vistra Operations and its subsidiaries are parties as power prices increase from time-to-time and for other working capital and general corporate purposes. In May 2022, June 2022 and October 2022, the Credit Agreement was amended to, among other things, (i) effect certain additions and reductions (as applicable) to the revolving commitments of certain lenders, and extend the maturity date thereof, (ii) modify certain pricing provisions, financial covenants and provisions related to the collateral, and (iii) adjust certain borrowing and repayment provisions, including the calculation of the borrowing base. See Note 10 to the Financial Statements for more information concerning the Commodity-Linked Facility.

Capacity Markets

PJM — Reliability Pricing Model (RPM) auction results, for the zones in which our assets are located, are as follows for each planning year:

	2022-2023	2023-2024	2024-2025
	(average price per MW-day)		
RTO zone	\$ 50.00	\$ 34.13	\$ 28.92
ComEd zone	68.96	34.13	28.92
MAAC zone	95.79	49.49	49.49
EMAAC zone	97.86	49.49	54.95
ATSI zone	50.00	34.13	28.92
DEOK zone	71.69	34.13	96.24

Our capacity sales in PJM, net of purchases, aggregated by planning year and capacity type through planning year 2024-2025, are as follows:

	2022-2023		2023-2024		2024-2025	
	East Segment	Sunset Segment	East Segment	Sunset Segment	East Segment	Sunset Segment
CP auction capacity sold, net (MW)	5,964	1,519	5,538	1,332	5,567	1,338
Bilateral capacity sold, net (MW)	311	124	343	—	400	—
Total segment capacity sold, net (MW)	6,275	1,643	5,881	1,332	5,967	1,338
Average price per MW-day	\$ 64.46	\$ 66.54	\$ 38.45	\$ 34.13	\$ 36.80	\$ 75.37

NYISO — The most recent seasonal auction results for NYISO's Rest-of-State zones, in which the capacity for our Independence plant clears, are as follows for each planning period:

	Winter 2022 - 2023
Price per kW-month	\$ 1.18

Due to the short-term, seasonal nature of the NYISO capacity auctions, we monetize the majority of our capacity through bilateral trades. Our capacity sales, aggregated by season through winter 2024-2025, are as follows:

	East Segment				
	Winter 2022 - 2023	Summer 2023	Winter 2023 - 2024	Summer 2024	Winter 2024 - 2025
Auction capacity sold (MW)	90	—	—	—	—
Bilateral capacity sold (MW)	1,094	936	670	299	100
Total capacity sold (MW)	1,184	936	670	299	100
Average price per kW-month	\$ 1.29	\$ 2.86	\$ 1.66	\$ 2.00	\$ 2.00

ISO-NE — The most recent Forward Capacity Auction results for ISO-NE Rest-of-Pool, in which most of our assets are located, are as follows for each planning year:

	2022-2023	2023-2024	2024-2025	2025-2026
Price per kW-month	\$ 3.80	\$ 2.00	\$ 2.61	\$ 2.59

Performance incentive rules increase capacity payments for those resources that are providing excess energy or reserves during a shortage event, while penalizing those that produce less than the required level. We continue to market and pursue longer term multi-year capacity transactions that extend through planning year 2025-2026.

	East Segment			
	2022-2023	2023-2024	2024-2025	2025-2026
Auction capacity sold (MW)	3,125	3,091	2,967	3,032
Bilateral capacity sold (MW)	97	20	78	78
Total capacity sold (MW)	3,222	3,111	3,045	3,110
Average price per kW-month	\$ 3.82	\$ 2.12	\$ 3.18	\$ 2.72

MISO — The capacity auction results for MISO Local Resource Zone 4, in which our assets are located, are as follows for each planning year:

	2022-2023
Price per MW-day	\$ 236.66

MISO capacity sales through planning year 2025-2026 are as follows:

	Sunset Segment			
	2022-2023	2023-2024	2024-2025	2025-2026
Bilateral capacity sold in MISO (MW)	1,672	1,394	471	209
Total MISO segment capacity sold (MW)	1,672	1,394	471	209
Average price per kW-month	\$ 2.57	\$ 4.54	\$ 4.51	\$ 5.19

CAISO — Our capacity sales in CAISO, aggregated by calendar year for 2023 through 2024 for Moss Landing, are as follows:

	West Segment	
	2023	2024
Bilateral capacity sold (Avg MW)	1,481	1,770

Key Operational Risks and Challenges

Following is a discussion of certain key operational risks and challenges facing management and the initiatives currently underway to manage such challenges. These matters involve risks that could have a material effect on our business, results of operations, liquidity, financial condition, cash flows, reputation, prospects and the market price for our securities (including our common stock). See also Item 1A. *Risk Factors* in this annual report on Form 10-K for additional discussion on risks that could have a material effect on our results of operations, liquidity, financial condition, cash flows, reputation, prospects and the market price for our securities (including our common stock).

Natural Gas Price and Market Heat Rate Exposure

The price of power is typically set by natural gas-fueled generation facilities, with wholesale prices generally tracking increases or decreases in the price of natural gas, with exceptions such as those periods during which ERCOT power prices rise significantly as a result of the scarcity of available generation resources relative to power demand. Natural gas prices have historically been volatile.

In contrast to our natural gas-fueled generation facilities, changes in natural gas prices have no significant effect on the cost of generating power at our nuclear-, lignite- and coal-fueled facilities. Consequently, all other factors being equal, these nuclear-, lignite- and coal-fueled generation assets increase or decrease in value as wholesale electricity prices change either as a result of changes in natural gas prices or market heat rates, because of the effect on our operating margins. A persistent decline in the price of natural gas, if not offset by an increase in market heat rates, would likely have a material adverse effect on our results of operations, liquidity and financial condition, predominantly related to the production of power generation volumes in excess of the volumes utilized to service our retail customer load requirements and wholesale hedges.

The wholesale market price of electricity divided by the market price of natural gas represents the market heat rate. Market heat rate can be affected by a number of factors, including generation availability, mix of assets and the efficiency of the marginal supplier (generally natural gas-fueled generation facilities) in generating electricity. Our market heat rate exposure is impacted by changes in the availability of generation resources, such as additions and retirements of generation facilities, and mix of generation assets. For example, increasing renewable (wind and solar) generation capacity generally depresses market heat rates, particularly during periods when total demand is relatively low. However, increasing penetration of renewable generation capacity may also contribute to greater volatility of wholesale market prices independent of changes in the price of natural gas, given their intermittent nature. Decreases in market heat rates decrease the value of our generation assets because lower market heat rates result in lower wholesale electricity prices, and vice versa.

As a result of our exposure to the variability of natural gas prices and market heat rates, retail sales and hedging activities are critical to our operating results and maintaining consistent cash flow levels. Income Taxes

Our integrated power generation income tax expense and retail electricity business provides us opportunities related consolidated balance sheet amounts involve significant management estimates and judgments. Amounts of deferred income tax assets and liabilities, as well as current and noncurrent accruals, involve estimates and judgments of the timing and probability of recognition of income and deductions by taxing authorities. Further, we assess the likelihood that we will be able to hedge realize or utilize our generation position utilizing retail electricity markets as deferred tax assets. If realization is not more likely than not, we would record a sales channel. In addition, our approach valuation allowance against such deferred tax assets for the amount we would not expect to managing electricity price risk focuses on utilize, which would reduce the carrying value of the deferred tax amounts. When evaluating the need for a valuation allowance, we consider all available positive and negative evidence, including the following:

- employing disciplined, liquidity-efficient hedging the creation and risk management strategies through physical and financial energy-related contracts intended to partially hedge gross margins; timing of future income associated with the reversal of deferred tax liabilities in excess of deferred tax assets;
- continuing focus the existence, or lack thereof, of statutory limitations on cost management to better withstand gross margin volatility;
- following a retail pricing strategy the period that appropriately reflects the value of our product offering to customers, the magnitude and costs of commodity price, liquidity risk and retail demand variability; net operating losses may be carried forward; and
- improving the amounts and history of income or losses, adjusted for certain non-recurring items.

Actual income taxes could vary from estimated amounts due to the future impacts of various items, including changes in income tax laws, our forecasted financial condition and results of operations in future periods, as well as final review of filed tax returns by taxing authorities.

Income tax returns are regularly subject to examination by applicable tax authorities. In management's opinion, the liability recorded pursuant to income tax accounting guidance related to uncertain tax positions reflects future taxes that may be owed as a result of any examination.

See Notes 1 and 7 to the Financial Statements for further discussion of income tax matters.

Accounting for Tax Receivable Agreement (TRA)

On the Effective Date, Vistra entered into the TRA with a transfer agent. Pursuant to the TRA, we issued the TRA Rights for the benefit of the first-lien creditors of TCEH entitled to receive such TRA Rights under the Plan of Reorganization. Vistra reflected the obligation associated with TRA Rights at fair value in the amount of \$574 million as of the Effective Date related to these future payment obligations. In December 2023, we repurchased approximately 74% of the TRA Rights to receive payments under the TRA from a select group of registered holders of the TRA Rights. Also, during the year ended December 31, 2023, we recorded an increase to the carrying value of the TRA obligation totaling \$82 million as a result of adjustments to forecasted taxable income due to increases in longer-term commodity price forecasts. As of December 31, 2023, the TRA obligation has been adjusted to \$171 million, and the expected undiscounted federal and state payments under the TRA is estimated to be approximately \$350 million. After giving effect to the January 2024 additional repurchases and the January and February 2024 early tender offer repurchases, we have repurchased an aggregate 98% of the original outstanding TRA Rights, of which 10,430,083 TRA Rights remain outstanding as of the Early Tender Date.

The TRA obligation value is the discounted amount of projected payments to be made each year under the TRA, based on certain assumptions, including but not limited to:

- the amount of tax basis related to (i) the Lamar and Forney acquisition and (ii) step-up resulting from the PrefCo Preferred Stock Sale (which is estimated to be approximately \$5.5 billion) and the allocation of such tax basis step-up among the assets subject thereto;
- the depreciable lives of the assets subject to such tax basis step-up, which generally is expected to be 15 years for most of such assets;
- a blended federal/state corporate income tax rate in all future years of 23.2%;
- future taxable income by year for future years;
- the Company generally expects to generate sufficient taxable income to be able to utilize the deductions arising out of (i) the tax basis step up attributable to the PrefCo Preferred Stock Sale, (ii) the entire tax basis of the assets acquired as a result of the Lamar and Forney Acquisition, and (iii) tax benefits related to imputed interest deemed to be paid by us as a result of payments under the TRA in the tax year in which such deductions arise;
- a discount rate of 15%, which represented our view at the Effective Date of the rate that a market participant would use based on the risk associated with the uncertainty in the amount and timing of the cash flows, at the time of Emergence; and
- additional states that Vistra now operates in, the relevant tax rates of those states and how income will be apportioned to those states.

There may be significant changes, which may be material, to the estimate of the related liability due to various reasons including changes in federal and state tax laws and regulations, changes in estimates of the amount or timing of future consolidated taxable income, utilization of acquired net operating losses, reversals of temporary book/tax differences and other items. Changes in those estimates are recognized as adjustments to the related TRA obligation, with offsetting impacts recorded in the consolidated statements of operations as Impacts of Tax Receivable Agreement. See Note 8 to the Financial Statements.

Asset Retirement Obligations (ARO)

As part of business combination accounting, new fair values were established for all AROs assumed in the Dynegy Merger. A liability is initially recorded at fair value for an ARO associated with the legal obligation associated with law, regulatory, contractual or constructive retirement requirements of tangible long-lived assets. These liabilities primarily relate to nuclear generation plant decommissioning, land reclamation related to lignite mining, and remediation or closure of coal ash basins. In estimating the ARO liability, we are required to make significant estimates and assumptions.

For the estimates and assumptions of the nuclear generation plant decommissioning, we use unit-by-unit decommissioning cost studies to provide a marketplace assessment of the expected costs (in current year dollars) and timing of decommissioning activities, which are validated by comparison to current decommissioning projects within the industry and other estimates. Decommissioning cost studies are updated for each of our nuclear units at least every five years unless circumstances warrant a more frequent update. In estimating the liability for December 31, 2023, we have included an assumption that Vistra receives a license extension of 20 years from the NRC to continue to operate Comanche Peak Units 1 and 2 through 2050 and 2053, respectively. The costs to ultimately decommission the facility are recoverable through the regulatory rate making process as part of Oncor's delivery fees and therefore changes in estimates of the ARO do not impact Vistra's earnings.

The estimates and assumptions required for the mining land reclamation related to lignite mining, such as costs to fill in mining pits and interpretation of the mining permit closure requirements, are complex and require a significant amount of judgment. To develop the estimate of costs to fill in mining pits, we utilize a complex proprietary model to estimate the volume of the pit. A significant portion of the estimate is associated with the Asset Closure segment, thus related to closed facilities with changes in the estimate recorded to our consolidated statements of operations.

These obligations are adjusted on a regular basis to reflect the passage of time and to incorporate revisions to the following significant estimates and assumptions:

- estimation of dates for retirement, which can be dependent on environmental and other legislation;
- amounts and timing of future cash expenditures associated with retirement, settlement or remediation activities;
- discount rates;
- cost escalation factors;
- market risk premium;
- inflation rates; and
- if applicable, past experience with government regulators regarding similar obligations.

For the next five years, Vistra is projected to spend approximately \$516 million (on a nominal basis) to achieve its mining reclamation and other coal ash remediation objectives. During the years ended December 31, 2023, 2022 and 2021, we transferred zero, \$61 million and zero, respectively, in ARO obligations to third parties for remediation. Any remaining unpaid third-party obligation was reclassified to other current liabilities and other noncurrent liabilities and deferred credits in our consolidated balance sheets.

See Note 22 to the Financial Statements for additional discussion of ARO obligations and adjustments made to the ARO obligation estimates during the years ended December 31, 2023, 2022 and 2021.

Impairment of Goodwill and Other Long-Lived Assets

We evaluate long-lived assets (including intangible assets with finite lives) for impairment, in accordance with accounting standards related to impairment or disposal of long-lived assets, whenever events or changes in circumstances indicate that their carrying amount may not be recoverable. For our generation assets, possible indications include an expectation of continuing long-term declines in natural gas prices and/or Market Heat Rates or an expectation that "more likely than not" a generation asset will be sold or otherwise disposed of significantly before the end of its estimated useful life. The determination of the existence of these and other indications of impairment involves judgments that are subjective in nature and may require the use of estimates in forecasting future results and cash flows related to an asset or group of assets. Further, the unique nature of our property, plant and equipment, which includes a fleet of generation assets with a diverse fuel mix and individual generation units that have varying production or output rates, requires the use of significant judgments in determining the existence of impairment indications and the grouping of assets for impairment testing. See Note 22 to the Financial Statements for discussion of impairments of long-lived assets recorded in the years ended December 31, 2022, 2021 and 2020.

Recoverability of long-lived assets is determined by a comparison of the carrying amount of the long-lived asset group to the net cash flows expected to be generated by the asset group, through considering specific assumptions for forward natural gas and electricity prices, forward capacity prices, the effects of enacted environmental rules, generation plant performance, forecasted capital expenditures, forecasted fuel prices and forecasted operating costs. The carrying value of such asset groups is determined to be unrecoverable if the projected undiscounted cash flows are less than the carrying value.

If an asset group carrying value is determined to be unrecoverable, fair value will be calculated based on a market participant view and a loss will be recorded for the amount the carrying value exceeds the fair value. Fair value is determined primarily by discounted cash flows (income approach) and supported by available market valuations, if applicable. The income approach involves estimates of future performance that reflect assumptions regarding, among other things, forward natural gas and electricity prices, forward capacity prices, Market Heat Rates, the effects of enacted environmental rules, generation plant performance, forecasted capital expenditures and forecasted fuel prices. Another key assumption in the income approach is the discount rate applied to the forecasted cash flows. Any significant change to one or more of these factors can have a material impact on the fair value measurement of our long-lived assets. Additional material impairments related to our generation facilities may occur in the future if forward wholesale electricity prices decline in the markets in which we operate in or if additional environmental regulations increase the cost of producing electricity at our generation facilities.

Goodwill and intangible assets with indefinite useful lives, such as the intangible asset related to the trade names of TXU Energy™, Ambit Energy, 4Change Energy™, Homefield, Dynegy Energy Services, TriEagle Energy, Public Power and U.S. Gas & Electric, respectively, are required to be evaluated for impairment at least annually (we have selected October 1 as our annual impairment test date) or whenever events or changes in circumstances indicate an impairment may exist, such as the indicators used to evaluate impairments to long-lived assets discussed above or declines in values of comparable public companies in our industry.

As of December 31, 2023, our goodwill balances totaled \$2.461 billion and \$122 million for our Retail reporting unit and Texas Generation reporting unit, respectively. Under this goodwill impairment analysis, if at the assessment date, a reporting unit's carrying value exceeds its estimated fair value, the excess carrying value is written off as an impairment charge. Accounting standards allow a company to qualitatively assess if the carrying value of a reporting unit with goodwill is more likely than not less than the fair value of that reporting unit. If the entity determines the carrying value, including goodwill, is not more likely greater than the fair value, no further testing of goodwill for impairment is required. On the most recent goodwill testing date, we performed a qualitative assessment and determined that it was more likely than not that the fair value of our Retail and Texas Generation reporting units exceeded their carrying value at October 1, 2023. Significant qualitative factors evaluated included reporting unit financial performance and market multiples, general macroeconomic, industry, and market conditions, cost factors, customer attrition, interest rates and changes in reporting unit book value.

As of December 31, 2023, intangible assets with indefinite useful lives related to our retail trade names totaled \$1.341 billion. Under this impairment analysis, if at the assessment date, a retail trade name's carrying value exceeds its estimated fair value, the excess carrying value is written off as an impairment charge.

Accounting standards allow a company to qualitatively assess if the carrying value of our retail trade name intangible assets is more likely than not less than the fair value. On the most recent testing date, we performed a qualitative assessment and determined that it was more likely than not that the fair value of our retail trade names exceeded their carrying value at October 1, 2023. Significant qualitative factors evaluated included trade name financial performance, general macroeconomic, industry, and market conditions, customer service attrition and interest rates.

Results of Operations

Net income (loss) attributable to attract Vistra common stock increased \$2.6 billion to income of \$1.5 billion for the year ended December 31, 2023 from a loss of \$1.2 billion for the year ended December 31, 2022. For additional information see the following discussion of our results of operations.

EBITDA and retain high-value customers. Adjusted EBITDA

In analyzing and planning for our business, we supplement our use of GAAP financial measures with non-GAAP financial measures, including EBITDA and Adjusted EBITDA as performance measures. These non-GAAP financial measures reflect an additional way of viewing aspects of our business that, when viewed (i) with our GAAP results and (ii) the accompanying reconciliations to corresponding GAAP financial measures may provide a more complete understanding of factors and trends affecting our business. Because EBITDA and Adjusted EBITDA are financial measures that management uses to allocate resources, determine our ability to fund capital expenditures, assess performance against our peers, and evaluate overall financial performance, we believe they provide useful information for investors.

These non-GAAP financial measures should not be relied upon to the exclusion of GAAP financial measures and are, by definition, an incomplete understanding of Vistra and must be considered in conjunction with GAAP measures. In addition, non-GAAP financial measures are not standardized; therefore, it may not be possible to compare these financial measures with other companies' non-GAAP financial measures having the same or similar names. We strongly encourage investors to review our consolidated financial statements and publicly filed reports in their entirety and not rely on any single financial measure.

When EBITDA or Adjusted EBITDA is discussed in reference to performance on a consolidated basis, the most directly comparable GAAP financial measure to EBITDA and Adjusted EBITDA is Net income (loss).

Vistra Consolidated Financial Results — Year Ended December 31, 2023 Compared to Year Ended December 31, 2022

The following table presents net income (loss), EBITDA and adjusted EBITDA for the year ended December 31, 2023:

	Year Ended December 31, 2023							
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Operating revenues	\$ 10,572	\$ 3,823	\$ 4,215	\$ 914	\$ 1,831	\$ —	\$ (6,576)	\$ 14,779
Fuel, purchased power costs and delivery fees	(9,046)	(1,951)	(2,031)	(328)	(776)	(3)	6,578	(7,557)
Operating costs	(123)	(894)	(297)	(58)	(254)	(74)	(2)	(1,702)
Depreciation and amortization	(102)	(544)	(647)	(79)	(62)	—	(68)	(1,502)
Selling, general and administrative expenses	(858)	(134)	(82)	(24)	(51)	(34)	(125)	(1,308)
Impairment of long-lived assets	—	—	—	—	(49)	—	—	(49)
Operating income (loss)	443	300	1,158	425	639	(111)	(193)	2,661
Other income	1	35	3	21	1	110	86	257
Other deductions	—	(2)	—	—	(5)	—	(7)	(14)
Interest expense and related charges	(20)	21	—	8	(2)	(5)	(742)	(740)
Impacts of Tax Receivable Agreement	—	—	—	—	—	—	(164)	(164)
Income (loss) before income taxes	424	354	1,161	454	633	(6)	(1,020)	2,000
Income tax expense	—	—	(1)	—	—	—	(507)	(508)

Net income (loss)	\$ 424	\$ 354	\$ 1,160	\$ 454	\$ 633	\$ (6)	\$ (1,527)	\$ 1,492
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	Year Ended December 31, 2023							
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Income tax expense	—	—	1	—	—	—	507	508
Interest expense and related charges (a)	20	(21)	—	(8)	2	5	742	740
Depreciation and amortization (b)	102	635	647	79	62	—	68	1,593
EBITDA before Adjustments	546	968	1,808	525	697	(1)	(210)	4,333
Unrealized net (gain) loss resulting from commodity hedging transactions	586	799	(1,117)	(267)	(455)	(36)	—	(490)
Impacts of Tax Receivable Agreement (c)	—	—	—	—	—	—	135	135
Non-cash compensation expenses	—	—	—	—	—	—	78	78
Transition and merger expenses	—	1	1	—	1	—	47	50
Impairment of long-lived assets	—	—	—	—	49	—	—	49
PJM capacity performance default impacts (d)	—	—	3	—	6	—	—	9
Winter Storm Uri impacts (e)	(52)	4	—	—	—	—	—	(48)
Other, net	25	(2)	12	5	60	(2)	(113)	(15)
Adjusted EBITDA	\$ 1,105	\$ 1,770	\$ 707	\$ 263	\$ 358	\$ (39)	\$ (63)	\$ 4,101

(a) Includes \$36 million of unrealized mark-to-market net losses on interest rate swaps.

(b) Includes nuclear fuel amortization of \$91 million in the Texas segment.

(c) Includes \$29 million gain recognized on the repurchase of TRA Rights in December 2023 (see Note 8 to the Financial Statements).

(d) Represents estimate of anticipated market participant defaults or settlements on initial PJM capacity performance penalties due to extreme magnitude of penalties associated with Winter Storm Elliott.

(e) Includes the application of bill credits. The Company incentivized certain large commercial and industrial customers to curtail their usage during Winter Storm Uri by providing bill credits for use in future periods. The Company believes the inclusion of the bill credits as a reduction to Adjusted EBITDA in the years in which such bill credits are applied more accurately reflects its operating performance. We estimate remaining bill credit amounts to be applied in future periods for 2024 (approximately \$11 million) and 2025 (approximately \$26 million).

The following table presents net income (loss), EBITDA and adjusted EBITDA for the year ended December 31, 2022:

	Year Ended December 31, 2022							
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Operating revenues	\$ 9,455	\$ 3,733	\$ 3,706	\$ 336	\$ 868	\$ 384	\$ (4,754)	\$ 13,728
Fuel, purchased power costs and delivery fees	(7,169)	(2,968)	(3,546)	(481)	(670)	(322)	4,755	(10,401)
Operating costs	(143)	(808)	(255)	(42)	(251)	(145)	(1)	(1,645)
Depreciation and amortization	(145)	(537)	(706)	(42)	(66)	(31)	(69)	(1,596)
Selling, general and administrative expenses	(826)	(131)	(66)	(21)	(35)	(44)	(66)	(1,189)
Impairment of long-lived assets	—	—	—	—	(74)	—	—	(74)
Operating income (loss)	1,172	(711)	(867)	(250)	(228)	(158)	(135)	(1,177)

Year Ended December 31, 2022

	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Other income	2	78	2	6	—	16	13	117
Other deductions	(2)	(2)	—	—	1	(2)	1	(4)
Interest expense and related charges	(14)	20	(3)	6	(3)	(3)	(371)	(368)
Impacts of Tax Receivable Agreement	—	—	—	—	—	—	(128)	(128)
Income (loss) before income taxes	1,158	(615)	(868)	(238)	(230)	(147)	(620)	(1,560)
Income tax benefit	—	—	—	—	—	—	350	350
Net income (loss)	\$ 1,158	\$ (615)	\$ (868)	\$ (238)	\$ (230)	\$ (147)	\$ (270)	\$ (1,210)
Income tax benefit	—	—	—	—	—	—	(350)	(350)
Interest expense and related charges (a)	14	(20)	3	(6)	3	3	371	368
Depreciation and amortization (b)	145	623	706	42	66	31	69	1,682
EBITDA before Adjustments	1,317	(12)	(159)	(202)	(161)	(113)	(180)	490
Unrealized net (gain) loss resulting from commodity hedging transactions	(291)	1,610	759	351	100	(19)	—	2,510
Generation plant retirement expenses	—	—	—	—	7	(3)	—	4
Fresh start/purchase accounting impacts	—	(2)	(1)	—	9	—	—	6
Impacts of Tax Receivable Agreement	—	—	—	—	—	—	128	128
Non-cash compensation expenses	—	—	—	—	—	—	65	65
Transition and merger expenses	7	—	1	—	—	—	5	13
Impairment of long-lived assets	—	—	—	—	74	—	—	74
Winter Storm Uri (c)	(141)	(178)	—	—	—	—	—	(319)
Other, net	31	20	8	3	13	10	(62)	23
Adjusted EBITDA	\$ 923	\$ 1,438	\$ 608	\$ 152	\$ 42	\$ (125)	\$ (44)	\$ 2,994

(a) Includes \$250 million of unrealized mark-to-market net gains on interest rate swaps.

(b) Includes nuclear fuel amortization of \$86 million in the Texas segment.

(c) Adjusted EBITDA impacts of Winter Storm Uri reflects \$183 million related to a reduction in the allocation of ERCOT default uplift charges which were expected to be paid over several decades under protocols existing at the time of the storm and \$144 million related to the application of bill credits to large commercial and industrial customers that curtailed their usage during Winter Storm Uri. The adjustment for ERCOT default uplift charges relates to (i) ERCOT receiving payments that reduced the market wide default balance and (ii) the fourth quarter 2022 derecognition of the remaining default balance in connection with a settlement between Brazos and ERCOT.

Operating income increased \$3.838 billion to \$2.661 billion in the year ended December 31, 2023 compared to the year ended December 31, 2022. Results for the year ended December 31, 2023 were favorably impacted by \$490 million in pre-tax unrealized mark-to-market gains on derivative positions due to power and natural gas forward market curves moving down in the year ended December 31, 2023 compared to \$2.510 billion in pre-tax unrealized mark-to-market losses on commodity derivative positions due to power and natural gas forward market curves moving up materially in the year ended December 31, 2022. See further information on our derivative results in *Energy-Related Commodity Contracts and Mark-to-Market Activities* below.

Operating results for the year ended December 31, 2023, compared to the year ended December 31, 2022 were favorably impacted by strong plant operating performance allowing us to realize the value created by our comprehensive hedging strategy, partially offset by lower than expected retail sales volumes due to unfavorable weather. The following table presents operational performance of our retail and generation segments.

	Year Ended December 31,									
	Retail		Texas		East		West		Sunset	
	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022
Retail sales volumes (GWh):										
Retail electricity sales volumes:										
Sales volumes in ERCOT	70,275	65,207								
Sales volumes in Northeast/Midwest	27,147	32,882								

Total retail electricity sales volumes										
	97,422	98,089								
Production volumes (GWh):										
Natural gas facilities			41,849	34,784	60,502	54,569	5,462	5,134		
Lignite and coal facilities			23,899	25,211					16,572	21,824
Nuclear facilities			18,893	19,688						
Solar facilities			781	822						
Capacity factors:										
CCGT facilities			55.1 %	48.8 %	62.2 %	57.2 %	61.0 %	57.1 %		
Lignite and coal facilities			70.9 %	74.8 %					41.3 %	54.4 %
Nuclear facilities			89.9 %	93.6 %						
Weather - percent of normal (a):										
Cooling degree days	115 %	111 %	112 %	109 %	90 %	107 %	79 %	107 %	112 %	113 %
Heating degree days	85 %	108 %	88 %	123 %	87 %	99 %	125 %	109 %	86 %	99 %

(a) Reflects cooling degree or heating degree days for the region based on Weather Services International (WSI) data.

	Year Ended December 31,			Year Ended December 31,	
	2023	2022		2023	2022
Market pricing			Average Market On-Peak Power Prices (\$/MWh) (b):		
			PJM West Hub	\$ 39.22	\$ 83.59
Average ERCOT North power price (\$/MWh)	\$ 48.30	\$ 62.17	AEP Dayton Hub	\$ 36.22	\$ 79.51
Average NYMEX Henry Hub natural gas price (\$/MMBtu)	\$ 2.53	\$ 6.39	NYISO Zone C	\$ 30.38	\$ 65.54
			Massachusetts Hub	\$ 41.02	\$ 92.17
Average natural gas price (a):			Indiana Hub	\$ 38.92	\$ 82.03
TetcoM3 (\$/MMBtu)	\$ 1.90	\$ 6.81	Northern Illinois Hub	\$ 32.67	\$ 71.76
Algonquin Citygates (\$/MMBtu)	\$ 2.94	\$ 9.16	CAISO NP15	\$ 63.92	\$ 93.12

(a) Reflects the average of daily quoted prices for the periods presented and does not reflect costs incurred by us.

(b) Reflects the average of day-ahead quoted prices for the periods presented and does not necessarily reflect prices we realized.

For the year ended December 31, 2023, other income totaled \$257 million driven by a gain of \$89 million from the sale of property in Freestone County, Texas recorded in the Asset Closure Segment and \$86 million in interest income due to holding a material cash balance anticipating the Energy Harbor transaction closing. For the year ended December 31, 2022, other income totaled \$117 million driven by insurance proceeds of \$70 million which primarily consists of business interruption claim proceeds recorded in the Texas segment. See Note 22 to the Financial Statements.

The increase in consolidated interest expense and related charges of \$372 million for the year ended December 31, 2023, compared to the year ended December 31, 2022, is primarily due to (a) unrealized mark-to-market losses on interest rate swaps of \$36 million in 2023 compared to unrealized mark-to-market gains on interest rate swaps of \$250 million in 2022 due to less volatility in interest rates in the year ended December 31, 2023 compared to the year ended December 31, 2022, (b) an increase in interest paid/accrued of \$63 million driven by higher effective interest rates in 2023 and (c) \$21 million of commitment fees related to the Commitment Letter in the year ended December 31, 2023. See Note 22 to the Financial Statements.

The following table presents additional changes to net income (loss) and Adjusted EBITDA for the year ended December 31, 2023 compared to the year ended December 31, 2022.

	Year Ended December 31, 2023 Compared to 2022				
	Retail	Texas	East	West	Sunset
Favorable change in realized revenue net of fuel driven by effectiveness of comprehensive hedging	\$ —	\$ 483	\$ 153	\$ 113	\$ 357
Higher margins driven by increase in customers and interyear timing of power supply costs	290	—	—	—	—
Winter Storm Uri bill credit runoff	92	—	—	—	—
Impacts of mild weather in 2023	(160)	—	—	—	—
Change in operating costs due primarily to change in generation volumes	—	(86)	(40)	(17)	1

Change in SG&A and other	(40)	(65)	(14)	15	(42)
Change in Adjusted EBITDA	\$ 182	\$ 332	\$ 99	\$ 111	\$ 316
Favorable/(unfavorable) change in depreciation and amortization	43	(12)	59	(37)	4
Change in unrealized net gains (losses) on hedging activities	(877)	811	1,876	618	555
Impairment of long-lived assets	—	—	—	—	25
PJM capacity performance default impacts	—	—	(3)	—	(6)
Winter Storm Uri impact (ERCOT default uplift)	(89)	(182)	—	—	—
Other (including interest expenses)	7	20	(3)	—	(31)
Change in Net income	\$ (734)	\$ 969	\$ 2,028	\$ 692	\$ 863

To supplement the amounts and explanations noted above, primary drivers of results for the year ended December 31, 2023 compared to the year ended December 31, 2022 include:

- **Comprehensive hedging strategy.** See *Energy-Related Commodity Contracts and Mark-to-Market Activities* below.
- **Winter Storm Uri impacts.** 2022 GAAP and Adjusted EBITDA results continued to be materially impacted by Winter Storm Uri. In 2022, a \$189 million default uplift liability to ERCOT was extinguished and resulted in net income during the year, but had no impact on Adjusted EBITDA in 2022 as the initial liability incurred in 2021 was excluded from Adjusted EBITDA.
- **SG&A expenses and other.** 2023 is unfavorable compared to 2022 driven primarily by higher incentive compensation in 2023 and insurance recoveries recorded in Texas in 2022.

Asset Closure Segment — Year Ended December 31, 2023 Compared to Year Ended December 31, 2022

	Year Ended December 31,		Favorable (Unfavorable) Change
	2023	2022	
Operating revenues	\$ —	\$ 384	\$ (384)
Fuel, purchased power costs and delivery fees	(3)	(322)	319
Operating costs	(74)	(145)	71
Depreciation and amortization	—	(31)	31
Selling, general and administrative expenses	(34)	(44)	10
Operating loss	(111)	(158)	47
Other income	110	16	94
Other deductions	—	(2)	2
Interest expense and related charges	(5)	(3)	(2)
Income (loss) before income taxes	(6)	(147)	141
Net loss	\$ (6)	\$ (147)	\$ 141
Adjusted EBITDA	\$ (39)	\$ (125)	\$ 86
Production volumes (GWh)	—	9,401	(9,401)

For the year ended December 31, 2022, results and volumes for the Asset Closure segment include those from Edwards generation plant that we retired on January 1, 2023 and include unrealized hedging gains related to coal and power derivatives of \$19 million. Operating costs for the years ended December 31, 2023 and 2022 also include ongoing costs associated with the decommissioning and reclamation of retired plants and mines. GAAP and Adjusted EBITDA results for 2023 are favorable to 2022 primarily due to the \$89 million gain on sale of land in Freestone County, Texas.

Energy-Related Commodity Contracts and Mark-to-Market Activities

As forward power prices materially increased in 2022, our generation segments (Texas, East, West and Sunset) aggressively sold forward power for 2023 and future years. While settled power prices in 2023 are lower than 2022, the strategic hedging allowed us to lock in margins for 2023 which resulted in realized revenue net of fuel above what we were able to recognize in 2022 (were mostly hedged going into 2022 so did not recognize the full benefit of settled prices). The forward power sales are also the drivers of the changes in unrealized gains/losses on hedging activities. As power prices increase/decrease in comparison to what our generation segments have sold forward, the generation segments recognize unrealized losses/gains. The retail segment procures power from the generation segments to serve future load obligations and thus changes in forward power prices have an inverse effect on unrealized mark to market for the retail segment as compared to the generation segments. This is evident in 2022 as material increase in forward

power prices drove material unrealized losses in our generation segment, partially offset by unrealized gains in our retail segment. In 2023, forward power prices decreased slightly which resulted in unrealized gains in our generation segments which is partially offset by unrealized losses in our retail segment.

The table below summarizes the changes in commodity contract assets and liabilities for the years ended December 31, 2023 and 2022. The net change in these assets and liabilities, excluding "other activity" as described below, reflects \$490 million in unrealized net gains and \$2.51 billion in unrealized net losses for the years ended December 31, 2023 and 2022, respectively, arising from mark-to-market accounting for positions in the commodity contract portfolio.

	Year Ended December 31,	
	2023	2022
Commodity contract net liability at beginning of period	\$ (3,148)	\$ (866)
Settlements/termination of positions (a)	1,643	1,218
Changes in fair value of positions in the portfolio (b)	(1,153)	(3,728)
Other activity (c)	(82)	228
Commodity contract net liability at end of period	\$ (2,740)	\$ (3,148)

- (a) Represents reversals of previously recognized unrealized gains and losses upon settlement/termination (offsets realized gains/(losses) recognized in the settlement period). Excludes changes in fair value in the month the position settled as well as amounts related to positions entered into, and settled, in the same month.
- (b) Represents unrealized net gains/(losses) recognized, reflecting the effect of changes in fair value. Excludes changes in fair value in the month the position settled as well as amounts related to positions entered into, and settled, in the same month.
- (c) Represents changes in fair value of positions due to receipt or payment of cash not reflected in unrealized gains or losses. Amounts are generally related to premiums related to options purchased or sold as well as certain margin deposits classified as settlement for certain transactions executed on the CME.

The following maturity table presents the net commodity contract liability arising from recognition of fair values at December 31, 2023, scheduled by the source of fair value and contractual settlement dates of the underlying positions.

Source of Fair Value	Maturity dates of unrealized commodity contract net liability at December 31, 2023				
	Less than	1-3 years	4-5 years	Excess of	Total
	1 year			5 years	
Prices actively quoted	\$ (725)	\$ (207)	\$ 3	\$ —	\$ (929)
Prices provided by other external sources	(358)	(409)	—	—	(767)
Prices based on models	(355)	(454)	(138)	(97)	(1,044)
Total	\$ (1,438)	\$ (1,070)	\$ (135)	\$ (97)	\$ (2,740)

We have engaged in natural gas hedging activities to mitigate the risk of higher or lower wholesale electricity prices that have corresponded to increases or declines in natural gas prices. When natural gas prices are elevated or depressed, we continue to seek opportunities to manage our wholesale power price exposure through hedging activities, including forward wholesale and retail electricity sales.

Estimated hedging levels for generation volumes in our Texas, East, West and Sunset segments as of December 31, 2022 December 31, 2023 were as follows:

	2023	2024
Nuclear/Renewable/Coal Generation:		
Texas	94 %	86 %
Sunset	88 %	47 %
Gas Generation:		
Texas	83 %	58 %
East	91 %	72 %
West	91 %	79 %

The following sensitivity table provides approximate estimates of the potential impact of movements in power prices and spark spreads (the difference between the power revenue and fuel expense of natural gas-fired generation as calculated using an assumed heat rate of 7.2 MMBtu/MWh) on realized pre-tax earnings (in millions) taking into account the hedge positions noted above for the periods presented. The residual gas position is calculated based on two steps: first, calculating the difference between actual heat rates of our natural gas generation units and the assumed 7.2 heat rate used to calculate the sensitivity to spark spreads; and second, calculating the residual natural gas exposure that is not already included in the gas generation spark spread sensitivity shown in the table below. The estimates related to price sensitivity are based on our expected generation, related hedges and forward prices as of December 31, 2022.

	2023		2024	
Texas:				
Nuclear/Renewable/Coal Generation: \$2.50/MWh increase in power price	\$	8	\$	16
Nuclear/Renewable/Coal Generation: \$2.50/MWh decrease in power price	\$	(7)	\$	(16)
Gas Generation: \$1.00/MWh increase in spark spread	\$	9	\$	19
Gas Generation: \$1.00/MWh decrease in spark spread	\$	(8)	\$	(18)
Residual Natural Gas Position: \$0.25/MMBtu increase in natural gas price	\$	3	\$	(12)
Residual Natural Gas Position: \$0.25/MMBtu decrease in natural gas price	\$	(7)	\$	6
East:				
Gas Generation: \$1.00/MWh increase in spark spread	\$	6	\$	16
Gas Generation: \$1.00/MWh decrease in spark spread	\$	(5)	\$	(14)
Residual Natural Gas Position: \$0.25/MMBtu increase in natural gas price	\$	(4)	\$	(5)
Residual Natural Gas Position: \$0.25/MMBtu decrease in natural gas price	\$	4	\$	5
West:				
Gas Generation: \$1.00/MWh increase in spark spread	\$	1	\$	1
Gas Generation: \$1.00/MWh decrease in spark spread	\$	(1)	\$	(1)
Residual Natural Gas Position: \$0.25/MMBtu increase in natural gas price	\$	1	\$	1
Residual Natural Gas Position: \$0.25/MMBtu decrease in natural gas price	\$	(1)	\$	(1)
Sunset:				
Coal Generation: \$2.50/MWh increase in power price	\$	8	\$	33
Coal Generation: \$2.50/MWh decrease in power price	\$	(7)	\$	(32)
Residual Natural Gas Position: \$0.25/MMBtu increase in natural gas price	\$	(6)	\$	(12)
Residual Natural Gas Position: \$0.25/MMBtu decrease in natural gas price	\$	6	\$	12

	2024	2025
<i>Nuclear/Renewable/Coal Generation:</i>		
Texas	96 %	93 %
Sunset	96 %	58 %
<i>Natural Gas Generation:</i>		
Texas	89 %	80 %
East	99 %	80 %
West	100 %	81 %

Competitive Retail Markets and Customer Retention Financial Condition

Cash Flows

Operating Cash Flows

Competitive retail activity Year Ended December 31, 2023 Compared to Year Ended December 31, 2022 —Cash provided by operating activities totaled \$5.453 billion and \$485 million in ERCOT has resulted the years ended December 31, 2023 and 2022, respectively. The favorable change of \$4.968 billion was primarily driven by (a) a decrease in retail customer churn net margin deposits (return of cash) of \$1.899 billion in the year ended December 31, 2023 as customers switch retail electricity providers for various reasons. Based on numbers compared to an increase in net margin deposits of meters, \$1.874 billion in the year ended December 31, 2022 related to commodity contracts which support our total retail customer counts increased approximately 3%, 3% comprehensive hedging strategy, including the impacts of cash margin deposits returned and 1% in 2022, 2021 and 2020, respectively. Based upon December 31, 2022 results discussed below in *Results of Operations*, a 1% decline in retail customers in ERCOT would result in a decline in annual revenues of approximately \$68 million. In responding replaced with amounts posted under an affiliate financing agreement (see Note 11 to the competitive landscape Financial Statements) and (b) an increase in cash from operating income exclusive of net margin deposits, partially offset by \$544 million of securitization proceeds from ERCOT in the ERCOT market, we have attempted year ended December 31, 2022 (see Note 1 to reduce overall customer losses by focusing on the following key initiatives: Financial Statements).

▪ **Depreciation and amortization** Maintaining competitive pricing initiatives on residential service plans; — Depreciation and amortization expense reported as a reconciling adjustment in the consolidated statements of cash flows exceeds the amount reported in the consolidated statements of operations by \$454 million, \$451 million and \$297 million for the years ended December 31, 2023, 2022 and 2021, respectively. The difference represents amortization of nuclear fuel, which is reported as fuel costs in the consolidated statements of operations consistent with industry practice, and amortization of intangible net assets and liabilities that are reported in various other consolidated statements of operations line items including operating revenues and fuel and purchased power costs and delivery fees (see Note 6 to the Financial Statements).

Investing Cash Flows

▪ **Year Ended December 31, 2023 Compared to Year Ended December 31, 2022** Actively competing for new customers — Cash used in areas open investing activities totaled \$2.145 billion and \$1.239 billion in the years ended December 31, 2023 and 2022, respectively. The increase of \$906 million was driven by (a) \$543 million in higher net purchases of environmental allowances and (b) a \$375 million increase in capital expenditures due primarily to competition within ERCOT, while continuing to strive to enhance the experience continued development of our existing customers; we are focused on continuing solar and energy storage generation facilities (see Note 3 to implement initiatives that deliver world-class customer service and improve the overall customer experience;

▪ Establishing and leveraging our TXU Energy™ brand Financial Statements), partially offset by \$37 million in higher proceeds from the sale of electricity to residential and commercial customers, as the most innovative retailer assets driven by our sale of property in Freestone County, Texas in the ERCOT market by continuing to develop tailored product offerings to meet customer needs; and year ended December 31, 2023.

▪ Focusing market initiatives largely on programs targeted at retaining the existing highest-value customers and to recapturing customers who have switched REPs, including maintaining and continuously refining a disciplined contracting and pricing approach and economic segmentation of the business market to enhance targeted sales and marketing efforts and to more effectively deploy our direct-sales force; tactical programs we have initiated include improved customer service, aided by an enhanced customer management system, new product price/service offerings and a multichannel approach for the small business market.

Exposures Related to Nuclear Asset Outages

Our nuclear assets are comprised of two generation units at the Comanche Peak facility, each with an installed nameplate generation capacity of 1,200 MW. As of December 31, 2022, these units represented approximately 6% of our total generation capacity. The nuclear generation units represent our lowest marginal cost source of electricity. Assuming both nuclear generation units experienced an outage at the same time, the unfavorable impact to pretax earnings is estimated (based upon forward electricity market prices for 2023 at December 31, 2022) to be approximately \$2 million per day before consideration of any costs to repair the cause of such outages or receipt of any insurance proceeds. Also see discussion of nuclear facilities insurance in Note 12 to the Financial Statements to understand the importance and limits of our insurance protection.

The inherent complexities and related regulations associated with operating nuclear generation facilities result in environmental, regulatory and financial risks. The operation of nuclear generation facilities is subject to continuing review and regulation by the NRC, covering, among other things, operations, maintenance, emergency planning, security, and environmental and safety protection. The NRC may implement changes in regulations that result in increased capital or operating costs and may require extended outages, modify, suspend or revoke operating licenses and impose fines for failure to comply with its existing regulations and the provisions of the Atomic Energy Act. In addition, an unplanned outage at another nuclear generation facility could result in the NRC taking action to shut down our Comanche Peak units as a precautionary measure.

We participate in industry groups and with regulators to keep current on the latest developments in nuclear safety, operation and maintenance and on emerging threats and mitigating techniques. These groups include, but are not limited to, the NRC, the Institute of Nuclear Power Operations (INPO) and the Nuclear Energy Institute (NEI). We also apply the knowledge gained through our continuing investment in technology, processes and services to improve our operations and to detect, mitigate and protect our nuclear generation assets. Management continues to focus on the safe, reliable and efficient operations at the facility.

	Year Ended December 31,		
	2023	2022	Increase (Decrease)
Capital expenditures, including LTSA prepayments	\$ (764)	\$ (628)	(136)
Nuclear fuel purchases	(214)	(198)	(16)
Growth and development expenditures	(698)	(475)	(223)
Total capital expenditures	(1,676)	(1,301)	(375)
Net sales (purchases) of environmental allowances	(571)	(28)	(543)
Net sales of (investments in) nuclear decommissioning trust fund securities	(23)	(23)	0
Proceeds from sales of property, plant and equipment	115	78	37
Other investing activity	10	35	(25)
Cash used in investing activities	\$ (2,145)	\$ (1,239)	\$ (906)

Cyber/Data Security and Infrastructure Protection Risk Financing Cash Flows

▪ **A breach** Year Ended December 31, 2023 Compared to Year Ended December 31, 2022 — Cash used in financing activities totaled \$294 million and \$80 million in the years ended December 31, 2023 and 2022, respectively. The \$214 million increase in cash used was driven by (a) the net repayment of cyber/data security measures that impairs our information technology infrastructure, operations technology systems, supporting components, and/or associated sites utilized \$1.075 billion in the year ended December 31, 2023 of short-term debt and accounts receivable financing amounts borrowed in the year ended December 31, 2022 driven by changes in collateral posting requirements and (b) \$1.5 billion

principal amount of senior secured notes issued in May 2022, partially offset by (1) \$2.5 billion principal amount of senior secured and senior unsecured notes issued in September 2023 and December 2023, of which \$750 million will be used to fund cash tender offers in January 2024, and (2) lower share repurchases in 2023.

	Year Ended December 31,		
	2023	2022	Increase (Decrease)
Share repurchases	\$ (1,245)	\$ (1,949)	\$ 704
Issuances of senior notes	2,498	1,498	1,000
Other net long-term borrowings (repayments), including the forward capacity agreements	(33)	(251)	218
Net short-term borrowings (repayments)	(650)	650	(1,300)
Net borrowings (repayments) under the accounts receivable financing facilities	(425)	425	(850)
Dividends paid to common stockholders	(313)	(302)	(11)
Dividends paid to preferred stockholders	(150)	(151)	1
Other financing activity	24	—	24
Cash used in financing activities	\$ (294)	\$ (80)	\$ (214)

Collateral Financing Agreement With Affiliate

On June 15, 2023, Vistra Operations entered into a facility agreement (Facility Agreement) with a Delaware trust formed by the Company that sold 450,000 pre-capitalized trust securities (P-Caps) redeemable May 17, 2028 for an initial purchase price of \$450 million. The Trust is not consolidated by Vistra. The Trust invested the proceeds from the sale of the P-Caps in a portfolio of either (a) U.S. Treasury securities (Treasuries) or (b) Treasuries and/or principal and interest strips of Treasuries (Treasury Strips), and together with the Treasuries and cash denominated in U.S. dollars, the Eligible Assets). At the direction of Vistra Operations, the Eligible Assets held by the Trust will be (i) delivered to one or more designated subsidiaries of our service providers could disrupt normal business operations and affect our ability Vistra Operations in order to control our generation assets, access retail customer information and limit communication allow such subsidiaries to use the Eligible Assets to meet certain posting obligations with third parties. Breaches and threats are becoming increasingly sophisticated, complex, change frequently and may be difficult to detect. Any loss counterparties, and/or (ii) pledged as collateral support for a letter of confidential or proprietary data through a breach could materially affect our reputation, including our TXU Energy, Ambit Energy, Value Based Brands, Dynegy Energy Services, Homefield Energy, TriEagle Energy, Public Power and U.S. Gas & Electric brands, expose the company to legal claims, significant liabilities, reputational damage, regulatory action, and disrupt business operations, which could impair our ability to execute on business strategies, credit program.

We participate Under the Facility Agreement, Vistra Operations will have the right (Issuance Right), from time to time, to require the Trust to purchase from Vistra Operations up to \$450 million aggregate principal amount of Vistra Operations' 7.233% senior secured notes due 2028 (7.233% Senior Secured Notes) in industry groups exchange for the delivery of all or a portion of the Treasuries and with regulators to remain current on emerging threats and mitigating techniques. These groups include, but are not limited Treasury Strips corresponding to the Federal Bureau portion of Investigation, Cybersecurity and Infrastructure Security Agency, U.S. Department of Homeland Security, Electricity Information Sharing and Analysis Center, U.S. Cyber Emergency Response Team, the NRC and NERC, issuance right exercised at such time.

While the Company has not experienced a cyber/data event causing any material operational, reputational or financial impact, we recognize the growing threat within the general marketplace and our industry, and are proactively making strategic investments in our perimeter and internal defenses, cyber/data security operations center and regulatory compliance activities. We have controls in place designed to protect our infrastructure, provide our employees awareness training As of cybersecurity threats, routinely utilize information technology security experts to assist us in our evaluations December 31, 2023, all of the effectiveness of our information technology systems and controls, and we regularly enhance our security measures Eligible Assets were being utilized to protect our systems and data, including encryption, tokenization and authentication technologies to mitigate cybersecurity risks and increasing our monitoring capabilities to enhance early detection and rapid response to potential cyber threats. In response to the fact that meet a portion of our workforce operates within a hybrid work environment, we have reduced our attack surface process current and technology, which removes remote network risk from our internal systems, assets, or data.

We also apply the knowledge gained through industry and government organizations, external partner cyber risk and maturity assessments to continuously improve our technology, processes and services to detect, mitigate and protect our cyber and data assets.

Seasonality future collateral posting obligations.

The demand for Trust will terminate at any time prior to May 17, 2028 and market prices distribute the 7.233% Senior Secured Notes to the holders of electricity and natural gas are affected by weather. As a result, our operating results are impacted by extreme or sustained weather conditions and may fluctuate on a seasonal basis. Typically, demand for and the price P-Caps if its sole assets consist of electricity 7.233% Senior Secured Notes that Vistra Operations is higher in the summer and winter seasons, when the temperatures are more extreme, and the demand for and price of natural gas is also generally higher in the winter. More severe weather conditions such as heat waves or extreme winter weather have made, and may make such fluctuations more pronounced. The pattern of this fluctuation may change depending on, among other things, the retail load served and the terms of contracts no longer entitled to purchase or sell electricity, repurchase.

See Note 11 for additional details of the collateral financing agreement with affiliate.

Critical Accounting Estimates

We follow accounting principles generally accepted in the U.S. Application of these accounting policies in the preparation of our consolidated financial statements requires management to make estimates and assumptions about future events that affect the reporting of assets and liabilities at the balance sheet dates and revenues and expenses during the periods covered. The following is a summary of certain critical accounting estimates that are impacted by judgments and uncertainties and under which different amounts might be reported using different assumptions or estimation methodologies.

Derivative Instruments and Mark-to-Market Accounting

We enter into contracts for the purchase and sale of energy-related commodities, and also enter into other derivative instruments such as options, swaps, futures and forwards primarily to manage commodity price and interest rate risks. Under accounting standards related to derivative instruments and hedging activities, these instruments are subject to mark-to-market accounting, and the determination of market values for these instruments is based on numerous assumptions and estimation techniques.

Mark-to-market accounting recognizes changes in the fair value of derivative instruments in the financial statements as market prices change. Such changes in fair value are accounted for as unrealized mark-to-market gains and losses in net income with an offset to derivative assets and liabilities. The availability of quoted market prices in energy markets is dependent on the type of commodity (e.g., natural gas, electricity, etc.), time period specified and delivery point. Where quoted market prices are not available, the fair value is based on unobservable inputs, which require significant judgment. Derivative instruments valued based on unobservable inputs primarily include (i) forward sales and purchases of electricity (including certain retail contracts), natural gas and coal, (ii) electricity, natural gas and coal options, and (iii) financial transmission rights. In computing fair value for derivatives, each forward pricing curve is separated into liquid and illiquid periods. The liquid period varies by delivery point and commodity. Generally, the liquid period is supported by exchange markets, broker quotes and frequent trading activity. For illiquid periods, fair value is estimated based on forward price curves developed using proprietary modeling techniques that take into account available market information and other inputs that might not be readily observable in the market. Any significant changes to these inputs could result in a material change to the value of the assets or liabilities recorded on our consolidated balance sheets and could result in a material change to the unrealized gains or losses recorded in our consolidated statements of operations. We estimate fair value as described in Note 14 16 to the Financial Statements.

Accounting standards related to derivative instruments and hedging activities allow for normal purchase or sale elections, which generally eliminate the requirement for mark-to-market recognition in net income. Normal purchases and sales (NPNS) are contracts that provide for physical delivery of quantities expected to be used or sold over a reasonable period in the normal course of business and are not subject to mark-to-market accounting if the NPNS election is made and are accounted for on an accrual basis. Determining whether a contract qualifies for the normal purchase or sale election requires judgment as to whether or not the contract will physically deliver and requires that management ensure compliance with all associated qualification and documentation requirements. If it is determined that a transaction designated as a normal purchase or sale no longer meets the scope exception due to changes in estimates, the related contract would be recorded on the balance sheet at fair value with immediate recognition through earnings.

See Note 15 17 to the Financial Statements for further discussion regarding derivative instruments.

Accounting for Income Taxes

Our income tax expense and related consolidated balance sheet amounts involve significant management estimates and judgments. Amounts of deferred income tax assets and liabilities, as well as current and noncurrent accruals, involve estimates and judgments of the timing and probability of recognition of income and deductions by taxing authorities. Further, we assess the likelihood that we will be able to realize or utilize our deferred tax assets. If realization is not more likely than not, we would record a valuation allowance against such deferred tax assets for the amount we would not expect to utilize, which would reduce the carrying value of the deferred tax amounts. When evaluating the need for a valuation allowance, we consider all available positive and negative evidence, including the following:

- the creation and timing of future income associated with the reversal of deferred tax liabilities in excess of deferred tax assets;
- the existence, or lack thereof, of statutory limitations on the period that net operating losses may be carried forward; and
- the amounts and history of income or losses, adjusted for certain non-recurring items.

Actual income taxes could vary from estimated amounts due to the future impacts of various items, including changes in income tax laws, our forecasted financial condition and results of operations in future periods, as well as final review of filed tax returns by taxing authorities.

Income tax returns are regularly subject to examination by applicable tax authorities. In management's opinion, the liability recorded pursuant to income tax accounting guidance related to uncertain tax positions reflects future taxes that may be owed as a result of any examination.

See Notes 1 and 6 7 to the Financial Statements for further discussion of income tax matters.

Accounting for Tax Receivable Agreement (TRA)

On the Effective Date, Vistra entered into the TRA with a transfer agent. Pursuant to the TRA, we issued the TRA Rights for the benefit of the first-lien creditors of TCEH entitled to receive such TRA Rights under the Plan of Reorganization. Vistra reflected the obligation associated with TRA Rights at fair value in the amount of \$574 million as of the Effective Date related to these future payment obligations. As in December 2023, we repurchased approximately 74% of December 31, 2022, the TRA obligation has been adjusted Rights to \$522 million. During receive payments under the TRA from a select group of registered holders of the TRA Rights. Also, during the year ended December 31, 2022 December 31, 2023, we recorded an increase to the carrying value of the TRA obligation totaling \$64 million \$82 million as a result of adjustments to forecasted book and

taxable income due to increases in longer-term commodity price forecasts. As of December 31, 2022 December 31, 2023, the TRA obligation has been adjusted to \$171 million, and the expected undiscounted federal and state payments under the TRA is estimated to be approximately \$1.4 billion \$350 million. After giving effect to the January 2024 additional repurchases and the January and February 2024 early tender offer repurchases, we have repurchased an aggregate 98% of the original outstanding TRA Rights, of which 10,430,083 TRA Rights remain outstanding as of the Early Tender Date.

The TRA obligation value is the discounted amount of projected payments to be made each year under the TRA, based on certain assumptions, including but not limited to:

- the amount of tax basis related to (i) the Lamar and Forney acquisition and (ii) step-up resulting from the PrefCo Preferred Stock Sale (which is estimated to be approximately \$5.5 billion) and the allocation of such tax basis step-up among the assets subject thereto;
- the depreciable lives of the assets subject to such tax basis step-up, which generally is expected to be 15 years for most of such assets;
- a blended federal/state corporate income tax rate in all future years of 22.9% 23.2%;
- future taxable income by year for future years;
- the Company generally expects to generate sufficient taxable income to be able to utilize the deductions arising out of (i) the tax basis step up attributable to the PrefCo Preferred Stock Sale, (ii) the entire tax basis of the assets acquired as a result of the Lamar and Forney Acquisition, and (iii) tax benefits related to imputed interest deemed to be paid by us as a result of payments under the TRA in the tax year in which such deductions arise;
- a discount rate of 15%, which represented our view at the Effective Date of the rate that a market participant would use based on the risk associated with the uncertainty in the amount and timing of the cash flows, at the time of Emergence; and
- additional states that Vistra now operates in, the relevant tax rates of those states and how income will be apportioned to those states.

There may be significant changes, which may be material, to the estimate of the related liability due to various reasons including changes in federal and state tax laws and regulations, changes in estimates of the amount or timing of future consolidated taxable income, utilization of acquired net operating losses, reversals of temporary book/tax differences and other items. Changes in those estimates are recognized as adjustments to the related TRA Rights liability, obligation, with offsetting impacts recorded in the consolidated statements of operations as Impacts of Tax Receivable Agreement. See Note 7 8 to the Financial Statements.

Asset Retirement Obligations (ARO)

As part of business combination accounting, new fair values were established for all AROs assumed in the Dynegy Merger. A liability is initially recorded at fair value for an ARO associated with the legal obligation associated with law, regulatory, contractual or constructive retirement requirements of tangible long-lived assets. These liabilities primarily relate to nuclear generation plant decommissioning, land reclamation related to lignite mining, and remediation or closure of coal ash basins. In estimating the ARO liability, we are required to make significant estimates and assumptions.

For the estimates and assumptions of the nuclear generation plant decommissioning, we use unit-by-unit decommissioning cost studies to provide a marketplace assessment of the expected costs (in current year dollars) and timing of decommissioning activities, which are validated by comparison to current decommissioning projects within the industry and other estimates. Decommissioning cost studies are updated for each of our nuclear units at least every five years unless circumstances warrant a more frequent update. In estimating the liability for December 31, 2022 December 31, 2023, we have included an assumption that Vistra receives a license extension of 20 years from the NRC to continue to operate Comanche Peak Units 1 and 2 through 2050 and 2053, respectively. The costs to ultimately decommission the facility are recoverable through the regulatory rate making process as part of Oncor's delivery fees and therefore changes in estimates of the ARO do not impact Vistra's earnings.

The estimates and assumptions required for the mining land reclamation related to lignite mining, such as costs to fill in mining pits and interpretation of the mining permit closure requirements, are complex and require a significant amount of judgment. To develop the estimate of costs to fill in mining pits, we utilize a complex proprietary model to estimate the volume of the pit. A significant portion of the estimate is associated with the Asset Closure segment, thus related to closed facilities with changes in the estimate recorded to our consolidated statements of operations.

These obligations are adjusted on a regular basis to reflect the passage of time and to incorporate revisions to the following significant estimates and assumptions:

- estimation of dates for retirement, which can be dependent on environmental and other legislation;
- amounts and timing of future cash expenditures associated with retirement, settlement or remediation activities;
- discount rates;
- cost escalation factors;
- market risk premium;
- inflation rates; and
- if applicable, past experience with government regulators regarding similar obligations.

For the next five years, Vistra is projected to spend approximately \$432 million \$516 million (on a nominal basis) to achieve its mining reclamation and other coal ash remediation objectives. During the years ended December 31, 2022 December 31, 2023, 2021 2022 and 2020, 2021, we transferred \$61 million, zero, \$61 million and \$15 million, zero, respectively, in ARO obligations to third parties for remediation. Any remaining unpaid third-party obligation was reclassified to other current liabilities and other noncurrent liabilities and deferred credits in our consolidated balance sheets.

See Note 20 22 to the Financial Statements for additional discussion of ARO obligations and adjustments made to the ARO obligation estimates during the years ended December 31, 2022 December 31, 2023, 2021 2022 and 2020 2021.

Impairment of Goodwill and Other Long-Lived Assets

We evaluate long-lived assets (including intangible assets with finite lives) for impairment, in accordance with accounting standards related to impairment or disposal of long-lived assets, whenever events or changes in circumstances indicate that their carrying amount may not be recoverable. For our generation assets, possible indications include an expectation of continuing long-term declines in natural gas prices and/or market heat rates Market Heat Rates or an expectation that "more likely than not" a generation asset will be sold or otherwise disposed of significantly before the end of its estimated useful life. The determination of the existence of these and other indications of impairment involves judgments that are subjective in nature and may require the use of estimates in forecasting future results and cash flows related to an asset or group of assets. Further, the unique nature of our property, plant and equipment, which includes a fleet of generation assets with a diverse fuel mix and individual generation units that have varying production or output rates, requires the use of significant judgments in determining the existence of impairment indications and the grouping of assets for impairment testing. See Note 20 22 to the Financial Statements for discussion of impairments of long-lived assets recorded in the years ended December 31, 2022, 2021 and 2020.

Recoverability of long-lived assets is determined by a comparison of the carrying amount of the long-lived asset group to the net cash flows expected to be generated by the asset group, through considering specific assumptions for forward natural gas and electricity prices, forward capacity prices, the effects of enacted environmental rules, generation plant performance, forecasted capital expenditures, forecasted fuel prices and forecasted operating costs. The carrying value of such asset groups is determined to be unrecoverable if the projected undiscounted cash flows are less than the carrying value.

If an asset group carrying value is determined to be unrecoverable, fair value will be calculated based on a market participant view and a loss will be recorded for the amount the carrying value exceeds the fair value. Fair value is determined primarily by discounted cash flows (income approach) and supported by available market valuations, if applicable. The income approach involves estimates of future performance that reflect assumptions regarding, among other things, forward natural gas and electricity prices, forward capacity prices, market heat rates, Market Heat Rates, the effects of enacted environmental rules, generation plant performance, forecasted capital expenditures and forecasted fuel prices. Another key assumption in the income approach is the discount rate applied to the forecasted cash flows. Any significant change to one or more of these factors can have a material impact on the fair value measurement of our long-lived assets. Additional material impairments related to our generation facilities may occur in the future if forward wholesale electricity prices decline in the markets in which we operate in or if additional environmental regulations increase the cost of producing electricity at our generation facilities.

Goodwill and intangible assets with indefinite useful lives, such as the intangible asset related to the trade names of TXU Energy™, Ambit Energy, 4Change Energy™, Homefield, Dynegy Energy Services, TriEagle Energy, Public Power and U.S. Gas & Electric, respectively, are required to be evaluated for impairment at least annually (we have selected October 1 as our annual impairment test date) or whenever events or changes in circumstances indicate an impairment may exist, such as the indicators used to evaluate impairments to long-lived assets discussed above or declines in values of comparable public companies in our industry.

As of December 31, 2022 December 31, 2023, our goodwill balances totaled \$2.461 billion and \$122 million for our Retail reporting unit and Texas Generation reporting unit, respectively. Under this goodwill impairment analysis, if at the assessment date, a reporting unit's carrying value exceeds its estimated fair value, the excess carrying value is written off as an impairment charge. Accounting standards allow a company to qualitatively assess if the carrying value of a reporting unit with goodwill is more likely than not less than the fair value of that reporting unit. If the entity determines the carrying value, including goodwill, is not more likely greater than the fair value, no further testing of goodwill for impairment is required. On the most recent goodwill testing date, we performed a qualitative assessment and determined that it was more likely than not that the fair value of our Retail and Texas Generation reporting units exceeded their carrying value at October 1, 2022 October 1, 2023. Significant qualitative factors evaluated included reporting unit financial performance and market multiples, general macroeconomic, industry, and market conditions, cost factors, customer attrition, interest rates and changes in reporting unit book value.

As of December 31, 2022 December 31, 2023, intangible assets with indefinite useful lives related to our retail trade names totaled \$1.341 billion. Under this impairment analysis, if at the assessment date, a retail trade name's carrying value exceeds its estimated fair value, the excess carrying value is written off as an impairment charge.

Accounting standards allow a company to qualitatively assess if the carrying value of our retail trade name intangible assets is more likely than not less than the fair value. On the most recent testing date, we performed a qualitative assessment and determined that it was more likely than not that the fair value of our retail trade names exceeded their carrying value at October 1, 2022 October 1, 2023. Significant qualitative factors evaluated included trade name financial performance, general macroeconomic, industry, and market conditions, customer attrition and interest rates.

RESULTS OF OPERATIONS Results of Operations

In the year ended December 31, 2022, our operating segments delivered strong operating performance with a disciplined focus on cost management, while generating and selling essential electricity in a safe and reliable manner. Our performance reflected the stability Net income (loss) attributable to Vistra common stock increased \$2.6 billion to income of our integrated model, including a diversified generation fleet, retail and commercial and hedging activities in support of our integrated business. As part of our comprehensive hedging strategy, we hedged longer-dated revenues and fuel costs to reduce risk and lock in value as forward power and gas curves moved up materially, and we believe this has positioned us to significantly benefit operating results in 2023 and beyond. In addition, we executed on our share repurchase strategy.

Vistra Consolidated Financial Results — Year Ended December 31, 2022 Compared to Year Ended December 31, 2021

	Year Ended December 31,		Favorable (Unfavorable) \$ Change
	2022	2021	
Operating revenues	\$ 13,728	\$ 12,077	\$ 1,651
Fuel, purchased power costs and delivery fees	(10,401)	(9,169)	(1,232)
Operating costs	(1,645)	(1,559)	(86)
Depreciation and amortization	(1,596)	(1,753)	157
Selling, general and administrative expenses	(1,189)	(1,040)	(149)
Impairment of long-lived and other assets	(74)	(71)	(3)
Operating loss	(1,177)	(1,515)	338
Other income	117	140	(23)
Other deductions	(4)	(16)	12
Interest expense and related charges	(368)	(384)	16
Impacts of Tax Receivable Agreement	(128)	53	(181)
Loss before income taxes	(1,560)	(1,722)	162
Income tax benefit	350	458	(108)
Net loss	\$ (1,210)	\$ (1,264)	\$ 54

	Year Ended December 31, 2022							
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Operating revenues	\$ 9,455	\$ 3,733	\$ 3,706	\$ 336	\$ 956	\$ 296	\$ (4,754)	\$ 13,728
Fuel, purchased power costs and delivery fees	(7,169)	(2,968)	(3,546)	(481)	(743)	(249)	4,755	(10,401)
Operating costs	(143)	(808)	(255)	(42)	(280)	(116)	(1)	(1,645)
Depreciation and amortization	(145)	(537)	(706)	(42)	(76)	(21)	(69)	(1,596)
Selling, general and administrative expenses	(826)	(131)	(66)	(21)	(39)	(40)	(66)	(1,189)
Impairment of long-lived and other assets	—	—	—	—	(74)	—	—	(74)
Operating income (loss)	1,172	(711)	(867)	(250)	(256)	(130)	(135)	(1,177)
Other income	2	78	2	6	—	16	13	117
Other deductions	(2)	(2)	—	—	1	(2)	1	(4)
Interest expense and related charges	(14)	20	(3)	6	(3)	(3)	(371)	(368)
Impacts of Tax Receivable Agreement	—	—	—	—	—	—	(128)	(128)
Income (loss) before income taxes	1,158	(615)	(868)	(238)	(258)	(119)	(620)	(1,560)
Income tax benefit	—	—	—	—	—	—	350	350
Net income (loss)	\$ 1,158	\$ (615)	\$ (868)	\$ (238)	\$ (258)	\$ (119)	\$ (270)	\$ (1,210)

	Year Ended December 31, 2021							
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Operating revenues	\$ 7,871	\$ 2,790	\$ 2,587	\$ 374	\$ 653	\$ 86	\$ (2,284)	\$ 12,077
Fuel, purchased power costs and delivery fees	(4,568)	(3,991)	(2,123)	(253)	(407)	(111)	2,284	(9,169)
Operating costs	(127)	(704)	(243)	(37)	(254)	(193)	(1)	(1,559)
Depreciation and amortization	(212)	(608)	(698)	(60)	(104)	(35)	(36)	(1,753)

Selling, general and administrative expenses	(718)	(88)	(75)	(32)	(31)	(50)	(46)	(1,040)
Impairment of long-lived assets and other assets	(33)	—	—	—	—	(38)	—	(71)
Operating income (loss)	2,213	(2,601)	(552)	(8)	(143)	(341)	(83)	(1,515)
Other income	1	84	—	—	6	44	5	140
Other deductions	(7)	(9)	—	—	3	(1)	(2)	(16)
Interest expense and related charges	(9)	14	(15)	9	(3)	—	(380)	(384)
Impacts of Tax Receivable Agreement	—	—	—	—	—	—	53	53
Income (loss) before income taxes	2,198	(2,512)	(567)	1	(137)	(298)	(407)	(1,722)
Income tax benefit (expense)	(2)	—	—	—	—	—	460	458
Net income (loss)	\$ 2,196	\$ (2,512)	\$ (567)	\$ 1	\$ (137)	\$ (298)	\$ 53	\$ (1,264)

Consolidated operating loss decreased \$338 million to \$1.177 billion in the year ended December 31, 2022 compared to the year ended December 31, 2021. The change in results was primarily driven by the \$2.2 billion negative impact on our pre-tax earnings associated with Winter Storm Uri in the year ended December 31, 2021. Partially offsetting the 2021 Winter Storm Uri impact, results \$1.5 billion for the year ended December 31, 2022 were unfavorably impacted by December 31, 2023 from a \$1.75 billion increase in pre-tax unrealized mark-to-market losses on derivative positions. Power and natural gas forward market curves moved up during loss of \$1.2 billion for the year ended December 31, 2022 driving. For additional information see the pre-tax unrealized mark-to-market losses on commodity hedging transactions. Included within these unrealized mark-to-market changes are pre-tax net unrealized losses following discussion of \$544 million and \$298 million recorded in the years ended December 31, 2022 and 2021, respectively, due to the discontinuance of NPNS accounting on retail electric contract portfolios where physical settlement is no longer considered probable throughout the contract term. We believe the overall increase in forward power and natural gas prices during 2022 has positioned us to significantly benefit operating results in 2023 and beyond. operations.

Interest expense EBITDA and related charges decreased \$16 million to \$368 million in the year ended December 31, 2022 compared to the year ended December 31, 2021 driven by unrealized mark-to-market gains on interest rate swaps of \$250 million in 2022 compared to \$134 million in 2021 due to a more significant rise in interest rates in 2022. The favorable variance is partially offset by an increase in interest paid/accrued of \$111 million driven by higher average borrowings during the year ended December 31, 2022 as compared to the year ended December 31, 2021, reflecting costs associated with increased collateral posting obligations supporting our comprehensive hedging strategy. See Note 20 to the Financial Statements.

For the years ended December 31, 2022 and 2021, the impacts of the TRA totaled expense of \$128 million and income of \$53 million, respectively. See Note 7 to the Financial Statements for discussion of the impacts of the TRA obligation.

For the year ended December 31, 2022, income tax benefit totaled \$350 million and the effective tax rate was 22.4%. For the year ended December 31, 2021, income tax benefit totaled \$458 million and the effective tax rate was 26.6%. See Note 6 to the Financial Statements for reconciliation of the effective rates to the U.S. federal statutory rate.

Discussion of Adjusted EBITDA

Non-GAAP Measures—In analyzing and planning for our business, we supplement our use of GAAP financial measures with non-GAAP financial measures, including EBITDA and Adjusted EBITDA as performance measures. These non-GAAP financial measures reflect an additional way of viewing aspects of our business that, when viewed (i) with our GAAP results and (ii) the accompanying reconciliations to corresponding GAAP financial measures included in the tables below, may provide a more complete understanding of factors and trends affecting our business. Because EBITDA and Adjusted EBITDA are financial measures that management uses to allocate resources, determine our ability to fund capital expenditures, assess performance against our peers, and evaluate overall financial performance, we believe they provide useful information for investors.

These non-GAAP financial measures should not be relied upon to the exclusion of GAAP financial measures and are, by definition, an incomplete understanding of Vistra and must be considered in conjunction with GAAP measures. In addition, non-GAAP financial measures are not standardized; therefore, it may not be possible to compare these financial measures with other companies' non-GAAP financial measures having the same or similar names. We strongly encourage investors to review our consolidated financial statements and publicly filed reports in their entirety and not rely on any single financial measure.

EBITDA and Adjusted EBITDA—We believe EBITDA and Adjusted EBITDA provide meaningful representations of our operating performance. We consider EBITDA as another way to measure financial performance on an ongoing basis. Adjusted EBITDA is meant to reflect the operating performance of our segments for the period presented. We define EBITDA as earnings (loss) before interest expense, income tax expense (benefit) and depreciation and amortization expense. We define Adjusted EBITDA as EBITDA adjusted to exclude (i) gains or losses on the sale or retirement of certain assets, (ii) the impacts of mark-to-market changes on derivatives, (iii) the impact of impairment charges, (iv) certain amounts associated with fresh-start reporting, acquisitions, dispositions, transition costs or restructurings, (v) non-cash compensation expense, (vi) impacts from the Tax Receivable Agreement and (vii) other nonrecurring or unusual items.

Because EBITDA and Adjusted EBITDA are financial measures that management uses to allocate resources, determine our ability to fund capital expenditures, assess performance against our peers, and evaluate overall financial performance, we believe they provide useful information for investors.

When EBITDA or Adjusted EBITDA is discussed in reference to performance on a consolidated basis, the most directly comparable GAAP financial measure to EBITDA and Adjusted EBITDA is Net income (loss).

Vistra Adjusted EBITDA Consolidated Financial Results — Year Ended **December 31, 2022** **December 31, 2023** Compared to Year Ended **December 31, 2021** **December 31, 2022**

	Year Ended December 31,		Favorable (Unfavorable) \$ Change
	2022	2021	
Net loss	\$ (1,210)	\$ (1,264)	\$ 54
Income tax benefit	(350)	(458)	108
Interest expense and related charges (a)	368	384	(16)
Depreciation and amortization (b)	1,682	1,831	(149)
EBITDA before Adjustments	490	493	(3)
Unrealized net loss resulting from commodity hedging transactions (c)	2,510	759	1,751
Generation plant retirement expenses	4	18	(14)
Fresh start/purchase accounting impacts	6	(138)	144
Impacts of Tax Receivable Agreement	128	(53)	181
Non-cash compensation expenses	65	51	14
Transition and merger expenses	13	(8)	21
Impairment of long-lived and other assets	74	71	3
Winter Storm Uri impacts (d)	(319)	698	(1,017)
Other, net	23	17	6
Adjusted EBITDA	\$ 2,994	\$ 1,908	\$ 1,086

The following table presents net income (loss), EBITDA and adjusted EBITDA for the year ended December 31, 2023:

	Year Ended December 31, 2023							
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Operating revenues	\$ 10,572	\$ 3,823	\$ 4,215	\$ 914	\$ 1,831	\$ —	\$ (6,576)	\$ 14,779
Fuel, purchased power costs and delivery fees	(9,046)	(1,951)	(2,031)	(328)	(776)	(3)	6,578	(7,557)
Operating costs	(123)	(894)	(297)	(58)	(254)	(74)	(2)	(1,702)
Depreciation and amortization	(102)	(544)	(647)	(79)	(62)	—	(68)	(1,502)
Selling, general and administrative expenses	(858)	(134)	(82)	(24)	(51)	(34)	(125)	(1,308)
Impairment of long-lived assets	—	—	—	—	(49)	—	—	(49)
Operating income (loss)	443	300	1,158	425	639	(111)	(193)	2,661
Other income	1	35	3	21	1	110	86	257
Other deductions	—	(2)	—	—	(5)	—	(7)	(14)
Interest expense and related charges	(20)	21	—	8	(2)	(5)	(742)	(740)
Impacts of Tax Receivable Agreement	—	—	—	—	—	—	(164)	(164)
Income (loss) before income taxes	424	354	1,161	454	633	(6)	(1,020)	2,000
Income tax expense	—	—	(1)	—	—	—	(507)	(508)
Net income (loss)	\$ 424	\$ 354	\$ 1,160	\$ 454	\$ 633	\$ (6)	\$ (1,527)	\$ 1,492

	Year Ended December 31, 2023							
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Income tax expense	—	—	1	—	—	—	507	508
Interest expense and related charges (a)	20	(21)	—	(8)	2	5	742	740
Depreciation and amortization (b)	102	635	647	79	62	—	68	1,593

EBITDA before Adjustments	546	968	1,808	525	697	(1)	(210)	4,333
Unrealized net (gain) loss resulting from commodity hedging transactions	586	799	(1,117)	(267)	(455)	(36)	—	(490)
Impacts of Tax Receivable Agreement (c)	—	—	—	—	—	—	135	135
Non-cash compensation expenses	—	—	—	—	—	—	78	78
Transition and merger expenses	—	1	1	—	1	—	47	50
Impairment of long-lived assets	—	—	—	—	49	—	—	49
PJM capacity performance default impacts (d)	—	—	3	—	6	—	—	9
Winter Storm Uri impacts (e)	(52)	4	—	—	—	—	—	(48)
Other, net	25	(2)	12	5	60	(2)	(113)	(15)
Adjusted EBITDA	\$ 1,105	\$ 1,770	\$ 707	\$ 263	\$ 358	\$ (39)	\$ (63)	\$ 4,101

(a) Includes \$36 million of unrealized mark-to-market net losses on interest rate swaps.

(b) Includes nuclear fuel amortization of \$91 million in the Texas segment.

(c) Includes \$29 million gain recognized on the repurchase of TRA Rights in December 2023 (see Note 8 to the Financial Statements).

(d) Represents estimate of anticipated market participant defaults or settlements on initial PJM capacity performance penalties due to extreme magnitude of penalties associated with Winter Storm Elliott.

(e) Includes the application of bill credits. The Company incentivized certain large commercial and industrial customers to curtail their usage during Winter Storm Uri by providing bill credits for use in future periods. The Company believes the inclusion of the bill credits as a reduction to Adjusted EBITDA in the years in which such bill credits are applied more accurately reflects its operating performance. We estimate remaining bill credit amounts to be applied in future periods for 2024 (approximately \$11 million) and 2025 (approximately \$26 million).

The following table presents net income (loss), EBITDA and adjusted EBITDA for the year ended December 31, 2022:

	Year Ended December 31, 2022							
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Operating revenues	\$ 9,455	\$ 3,733	\$ 3,706	\$ 336	\$ 868	\$ 384	\$ (4,754)	\$ 13,728
Fuel, purchased power costs and delivery fees	(7,169)	(2,968)	(3,546)	(481)	(670)	(322)	4,755	(10,401)
Operating costs	(143)	(808)	(255)	(42)	(251)	(145)	(1)	(1,645)
Depreciation and amortization	(145)	(537)	(706)	(42)	(66)	(31)	(69)	(1,596)
Selling, general and administrative expenses	(826)	(131)	(66)	(21)	(35)	(44)	(66)	(1,189)
Impairment of long-lived assets	—	—	—	—	(74)	—	—	(74)
Operating income (loss)	1,172	(711)	(867)	(250)	(228)	(158)	(135)	(1,177)

	Year Ended December 31, 2022							
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Other income	2	78	2	6	—	16	13	117
Other deductions	(2)	(2)	—	—	1	(2)	1	(4)
Interest expense and related charges	(14)	20	(3)	6	(3)	(3)	(371)	(368)
Impacts of Tax Receivable Agreement	—	—	—	—	—	—	(128)	(128)
Income (loss) before income taxes	1,158	(615)	(868)	(238)	(230)	(147)	(620)	(1,560)
Income tax benefit	—	—	—	—	—	—	350	350
Net income (loss)	\$ 1,158	\$ (615)	\$ (868)	\$ (238)	\$ (230)	\$ (147)	\$ (270)	\$ (1,210)
Income tax benefit	—	—	—	—	—	—	(350)	(350)
Interest expense and related charges (a)	14	(20)	3	(6)	3	3	371	368

Depreciation and amortization (b)	145	623	706	42	66	31	69	1,682
EBITDA before Adjustments	1,317	(12)	(159)	(202)	(161)	(113)	(180)	490
Unrealized net (gain) loss resulting from commodity hedging transactions	(291)	1,610	759	351	100	(19)	—	2,510
Generation plant retirement expenses	—	—	—	—	7	(3)	—	4
Fresh start/purchase accounting impacts	—	(2)	(1)	—	9	—	—	6
Impacts of Tax Receivable Agreement	—	—	—	—	—	—	128	128
Non-cash compensation expenses	—	—	—	—	—	—	65	65
Transition and merger expenses	7	—	1	—	—	—	5	13
Impairment of long-lived assets	—	—	—	—	74	—	—	74
Winter Storm Uri (c)	(141)	(178)	—	—	—	—	—	(319)
Other, net	31	20	8	3	13	10	(62)	23
Adjusted EBITDA	\$ 923	\$ 1,438	\$ 608	\$ 152	\$ 42	\$ (125)	\$ (44)	\$ 2,994

(a) Includes \$250 million of unrealized mark-to-market net gains on interest rate swaps of \$250 million and \$134 million for the years ended December 31, 2022 and 2021, respectively, swaps.

(b) Includes nuclear fuel amortization of \$86 million in the Texas segment of \$86 million and \$78 million for the years ended December 31, 2022 and 2021, respectively, segment.

(c) Net pre-tax unrealized mark-to-market losses on commodity and hedging transactions were driven by an increase in power and natural gas price curves during the year ended December 31, 2022. Additionally, we recorded pre-tax net unrealized losses Adjusted EBITDA impacts of \$544 million and \$298 million in the years ended December 31, 2022 and 2021, respectively, due to the discontinuance of NPNS accounting on retail electric contract portfolios where physical settlement is no longer considered probable throughout the contract term.

(d) For the year ended December 31, 2021, includes the following of the Winter Storm Uri impacts, which we believe are not reflective of our normal operating performance: reflects \$183 million related to a reduction in the allocation of ERCOT default uplift charges which were expected to be paid over several decades under protocols existing at the time of the storm accrual of Koch earn-out amounts that we paid in the second quarter of 2022 (see Note 12 and \$144 million related to the Financial Statements), future application of bill credits related to large commercial and industrial customers that curtailed their usage during Winter Storm Uri and Winter Storm Uri related legal fees and other costs.

For the year ended December 31, 2022, includes reductions to Adjusted EBITDA reflecting ERCOT default uplift charges of \$183 million and bill credit applications of \$144 million.

Uri. The adjustment for ERCOT default uplift charges relates to (i) ERCOT receiving payments that reduced the market wide default balance and (ii) the fourth quarter 2022 derecognition of the remaining default balance in connection with a settlement between Brazos and ERCOT (see Note 12 ERCOT).

Operating income increased \$3.838 billion to \$2.661 billion in the year ended December 31, 2023 compared to the Financial Statements year ended December 31, 2022.

The adjustment Results for future bill credits relates the year ended December 31, 2023 were favorably impacted by \$490 million in pre-tax unrealized mark-to-market gains on derivative positions due to large commercial power and industrial customers that curtailed their usage during Winter Storm Uri and will reverse and impact Adjusted EBITDA in future periods as the credits are applied to customer bills. The Company believes the inclusion of the bill credits as a reduction to Adjusted EBITDA natural gas forward market curves moving down in the years year ended December 31, 2023 compared to \$2.510 billion in which such bill credits are applied more accurately reflects its operating performance.

	Year Ended December 31, 2022							
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Net income (loss)	\$ 1,158	\$ (615)	\$ (868)	\$ (238)	\$ (258)	\$ (119)	\$ (270)	\$ (1,210)
Income tax benefit	—	—	—	—	—	—	(350)	(350)
Interest expense and related charges (a)	14	(20)	3	(6)	3	3	371	368
Depreciation and amortization (b)	145	623	706	42	76	21	69	1,682
EBITDA before Adjustments	1,317	(12)	(159)	(202)	(179)	(95)	(180)	490
Unrealized net (gain) loss resulting from commodity hedging transactions	(291)	1,610	759	351	112	(31)	—	2,510
Generation plant retirement expenses	—	—	—	—	7	(3)	—	4

Fresh start/purchase accounting impacts	—	(2)	(1)	—	9	—	—	6
Impacts of Tax Receivable Agreement	—	—	—	—	—	—	128	128
Non-cash compensation expenses	—	—	—	—	—	—	65	65
Transition and merger expenses	7	—	1	—	—	—	5	13
Impairment of long-lived and other assets	—	—	—	—	74	—	—	74
Winter Storm Uri impacts (c)	(141)	(178)	—	—	—	—	—	(319)
Other, net	31	20	8	3	15	8	(62)	23
Adjusted EBITDA	\$ 923	\$ 1,438	\$ 608	\$ 152	\$ 38	\$ (121)	\$ (44)	\$ 2,994

(a) Includes \$250 million of pre-tax unrealized mark-to-market net gains losses on interest rate swaps.

(b) Includes nuclear fuel amortization of \$86 million commodity derivative positions due to power and natural gas forward market curves moving up materially in the Texas segment.

(c) year ended December 31, 2022. See further information on our derivative results in Includes the application of bill credits to large commercial Energy-Related Commodity Contracts and industrial customers that curtailed their usage during Winter Storm Uri and a reduction in the allocation of ERCOT default uplift charges which were expected to be paid over several decades under protocols existing at the time of the storm. We estimate remaining bill credit amounts to be applied in future periods are for 2023 (approximately \$54 million), 2024 (approximately \$6 million) and 2025 (approximately \$28 million). Mark-to-Market Activities

below.

	Year Ended December 31, 2021							
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations / Corporate and Other	Vistra Consolidated
Net income (loss)	2,196	(2,512)	(567)	1	(137)	(298)	53	\$ (1,264)
Income tax expense (benefit)	2	—	—	—	—	—	(460)	(458)
Interest expense and related charges (a)	9	(14)	15	(9)	3	—	380	384
Depreciation and amortization (b)	212	686	698	60	104	35	36	1,831
EBITDA before Adjustments	2,419	(1,840)	146	52	(30)	(263)	9	493
Unrealized net (gain) loss resulting from commodity hedging transactions	(1,403)	1,139	655	38	211	119	—	759
Generation plant retirement expenses	—	—	—	—	(1)	19	—	18
Fresh start/purchase accounting impacts	2	(14)	(74)	—	(28)	(24)	—	(138)
Impacts of Tax Receivable Agreement	—	—	—	—	—	—	(53)	(53)
Non-cash compensation expenses	—	—	—	—	—	—	51	51
Transition and merger expenses	(2)	—	—	—	—	(15)	9	(8)
Impairment of long-lived and other assets	33	—	—	—	—	38	—	71
Winter Storm Uri (c)	239	457	—	—	1	—	1	698
Other, net	24	22	10	3	(5)	5	(42)	17
Adjusted EBITDA	\$ 1,312	\$ (236)	\$ 737	\$ 93	\$ 148	\$ (121)	\$ (25)	\$ 1,908

(a) Includes \$134 million of unrealized mark-to-market net gains on interest rate swaps.

(b) Includes nuclear fuel amortization of \$78 million in the Texas segment.

(c) Includes the following of the Winter Storm Uri impacts, which we believe are not reflective of our operating performance: the allocation of ERCOT default uplift charges which were expected to be paid over several decades under protocols existing at the time of the storm, accrual of Koch earn-out amounts that we paid in the second quarter of 2022, future bill credits related to Winter Storm Uri and Winter Storm Uri related legal fees and other costs. The adjustment Operating results for future bill credits relates to large commercial and industrial customers that curtailed their usage during Winter Storm Uri and reverse and impact Adjusted EBITDA in future periods as the credits are applied to customer bills. The Company believes the inclusion of the bill credits as a reduction to Adjusted EBITDA in the years in which such bill credits are applied more accurately reflects its operating performance.

Retail Segment — Year Ended December 31, 2022 Compared to Year Ended December 31, 2021

	Year Ended December 31,		Favorable (Unfavorable)
	2022	2021	Change
Operating revenues:			
Revenues in ERCOT	\$ 7,684	\$ 5,943	\$ 1,741
Revenues in Northeast/Midwest	2,303	2,255	48
Amortization expense	—	(2)	2
Unrealized net losses on hedging activities (a)	(532)	(325)	(207)
Total operating revenues	\$ 9,455	\$ 7,871	\$ 1,584
Fuel, purchased power costs and delivery fees:			
Purchases from affiliates	(5,572)	(4,002)	(1,570)
Unrealized net gains on hedging activities with affiliates (b)	819	1,719	(900)
Unrealized net gains on hedging activities	4	9	(5)
Delivery fees	(2,285)	(1,937)	(348)
Other costs (c)	(135)	(357)	222
Total fuel, purchased power costs and delivery fees	\$ (7,169)	\$ (4,568)	\$ (2,601)
Net income	\$ 1,158	\$ 2,196	\$ (1,038)
Adjusted EBITDA	\$ 923	\$ 1,312	\$ (389)
Retail sales volumes (GWh):			
Retail electricity sales volumes:			
Sales volumes in ERCOT	65,207	57,033	8,174
Sales volumes in Northeast/Midwest	32,882	36,070	(3,188)
Total retail electricity sales volumes	98,089	93,103	4,986
Weather (North Texas average) - percent of normal (d):			
Cooling degree days	111 %	93 %	
Heating degree days	108 %	92 %	

- (a) Includes pre-tax unrealized net losses of \$544 million and \$298 million for the years ended December 31, 2022 and 2021, recognized due to the discontinuance of NPNS accounting on a retail electric contract portfolio where physical settlement is no longer considered probable throughout the contract term.
- (b) Includes unrealized net gains/(losses) from mark-to-market valuations of commodity positions with the Texas, East and Sunset segments.
- (c) For the year ended December 31, 2021 December 31, 2023, includes \$153 million compared to the year ended December 31, 2022 were favorably impacted by strong plant operating performance allowing us to realize the value created by our comprehensive hedging strategy, partially offset by lower than expected retail sales volumes due to unfavorable weather. The following table presents operational performance of future bill credits to large commercial our retail and industrial customers. generation segments.

	Year Ended December 31,									
	Retail		Texas		East		West		Sunset	
	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022
Retail sales volumes (GWh):										
Retail electricity sales volumes:										
Sales volumes in ERCOT	70,275	65,207								
Sales volumes in Northeast/Midwest	27,147	32,882								
Total retail electricity sales volumes	97,422	98,089								
Production volumes (GWh):										
Natural gas facilities			41,849	34,784	60,502	54,569	5,462	5,134		
Lignite and coal facilities			23,899	25,211					16,572	21,824
Nuclear facilities			18,893	19,688						
Solar facilities			781	822						
Capacity factors:										
CCGT facilities			55.1 %	48.8 %	62.2 %	57.2 %	61.0 %	57.1 %		
Lignite and coal facilities			70.9 %	74.8 %					41.3 %	54.4 %
Nuclear facilities			89.9 %	93.6 %						
Weather - percent of normal (a):										

Cooling degree days	115 %	111 %	112 %	109 %	90 %	107 %	79 %	107 %	112 %	113 %
Heating degree days	85 %	108 %	88 %	123 %	87 %	99 %	125 %	109 %	86 %	99 %

(d) (a) Reflects cooling degree or heating degree days for the region based on Weather Services International (WSI) data.

The following table presents changes in net income (loss) and Adjusted EBITDA for the year ended December 31, 2022 compared to the year ended December 31, 2021.

	Year Ended December 31, 2022 Compared to 2021
Timing of power costs, including self-help gains in 2021 and multi-year customer contracts in a backwardated market	\$ (248)
Winter Storm Uri impact primarily driven by 2022 bill credits issued exceeding the net impact of the storm in 2021	(63)
Higher margins reflecting favorable weather in 2022 and ERCOT performance, partially offset by pressure in Midwest and Northeast markets	30
Other primarily driven by higher bad debt expense due to higher revenues in 2022	(108)
Change in Adjusted EBITDA	\$ (389)
Decrease in unrealized net gains on hedging activities	(1,112)
Bill credits and other costs related to Winter Storm Uri	380
Decrease in depreciation and amortization expenses	67
Change in transition and merger and other expenses	16
Change in Net income	\$ (1,038)

Generation — Year Ended December 31, 2022 Compared to Year Ended December 31, 2021

	Year Ended December 31,							
	Texas		East		West		Sunset	
	2022	2021	2022	2021	2022	2021	2022	2021
Operating revenues:								
Electricity sales	\$ 1,816	\$ 1,999	\$ 2,719	\$ 1,619	\$ 653	\$ 410	\$ 448	\$ 589
Capacity revenue from ISO/RTO	—	—	20	(22)	—	1	63	138
Sales to affiliates	3,389	2,063	1,724	1,553	7	5	454	382
Rolloff of unrealized net gains (losses) representing positions settled in the current period	536	(207)	(50)	(159)	96	62	422	166
Unrealized net gains (losses) on hedging activities	(1,191)	(37)	(669)	51	(422)	(104)	(459)	(448)
Unrealized net gains (losses) on hedging activities with affiliates	(817)	(1,028)	(38)	(529)	2	—	34	(162)
Other revenues	—	—	—	74	—	—	(6)	(12)
Operating revenues	3,733	2,790	3,706	2,587	336	374	956	653
Fuel, purchased power costs and delivery fees:								
Fuel for generation facilities and purchased power costs	(2,495)	(2,829)	(3,509)	(2,072)	(449)	(251)	(630)	(629)
Fuel for generation facilities and purchased power costs from affiliates	(8)	—	2	2	—	—	4	(3)
Unrealized (gains) losses from hedging activities	(138)	133	(2)	(18)	(27)	4	(109)	233
Ancillary and other costs	(327)	(1,295)	(37)	(35)	(5)	(6)	(8)	(8)
Fuel, purchased power costs and delivery fees	(2,968)	(3,991)	(3,546)	(2,123)	(481)	(253)	(743)	(407)

Net income (loss)	\$ (615)	\$ (2,512)	\$ (868)	\$ (567)	\$ (238)	\$ 1	\$ (258)	\$ (137)
Adjusted EBITDA	\$ 1,438	\$ (236)	\$ 608	\$ 737	\$ 152	\$ 93	\$ 38	\$ 148
Production volumes (GWh):								
Natural gas facilities	34,784	30,921	54,569	55,428	5,134	5,365		
Lignite and coal facilities	25,211	25,514					24,555	27,247
Nuclear facilities	19,688	19,402						
Solar facilities	822	454						
Capacity factors:								
CCGT facilities	48.8 %	43.2 %	57.2 %	57.6 %	57.1 %	60.0 %		
Lignite and coal facilities	74.8 %	75.6 %					54.3 %	60.2 %
Nuclear facilities	93.6 %	96.3 %						
Weather - percent of normal (a):								
Cooling degree days	109 %	94 %	107 %	108 %	107 %	90 %	113 %	115 %
Heating degree days	123 %	94 %	99 %	93 %	109 %	111 %	99 %	90 %

(a) Reflects cooling degree days or heating degree days for the region based on Weather Services International (WSI) data.

		Year Ended December 31,		Year Ended December 31,			
		2022	2021	2022	2021		
		Year Ended December 31,		Year Ended December 31,		Year Ended December 31,	
		2023		2023	2022	2023	2022
Market pricing	Market pricing			Average Market On-Peak Power Prices (\$MWh) (b):			
	Average ERCOT North power price (\$/MWh)						
Average ERCOT North power price (\$/MWh)	Average ERCOT North power price (\$/MWh)	\$62.17	\$149.60	PJM West Hub	\$83.59	\$45.55	
Average NYMEX Henry Hub natural gas price (\$/MMBtu)	Average NYMEX Henry Hub natural gas price (\$/MMBtu)	\$6.39	\$3.82	AEP Dayton Hub	\$79.51	\$44.81	
Average natural gas price (a):	Average natural gas price (a):			NYISO Zone C	\$65.54	\$35.57	
TetcoM3 (\$/MMBtu)	TetcoM3 (\$/MMBtu)	\$6.81	\$3.40	Massachusetts Hub	\$92.17	\$51.77	
Algonquin Citygates (\$/MMBtu)	Algonquin Citygates (\$/MMBtu)	\$9.16	\$4.51	Indiana Hub	\$82.03	\$48.55	
				Northern Illinois Hub	\$71.76	\$41.10	
				CAISO NP15	\$93.12	\$56.37	

- (a) Reflects the average of daily quoted prices for the periods presented and does not reflect costs incurred by us.
- (b) Reflects the average of day-ahead quoted prices for the periods presented and does not necessarily reflect prices we realized.

For the year ended December 31, 2023, other income totaled \$257 million driven by a gain of \$89 million from the sale of property in Freestone County, Texas recorded in the Asset Closure Segment and \$86 million in interest income due to holding a material cash balance anticipating the Energy Harbor transaction closing. For the year ended December 31, 2022, other income totaled \$117 million driven by insurance proceeds of \$70 million which primarily consists of business interruption claim proceeds recorded in the Texas segment. See Note 22 to the Financial Statements.

The increase in consolidated interest expense and related charges of \$372 million for the year ended December 31, 2023, compared to the year ended December 31, 2022, is primarily due to (a) unrealized mark-to-market losses on interest rate swaps of \$36 million in 2023 compared to unrealized mark-to-market gains on interest rate swaps of \$250 million in 2022 due to less volatility in interest rates in the year ended December 31, 2023 compared to the year ended December 31, 2022, (b) an increase in interest paid/accrued of \$63 million driven by higher effective interest rates in 2023 and (c) \$21 million of commitment fees related to the Commitment Letter in the year ended December 31, 2023. See Note 22 to the Financial Statements.

The following table presents additional changes in net income (loss) and Adjusted EBITDA for the year ended December 31, 2022 compared to the year ended December 31, 2021.

	Year Ended December 31, 2022 Compared to 2021			
	Texas	East	West	Sunset
Favorable/(unfavorable) change in revenue net of fuel	\$ 309	\$ (76)	\$ 49	\$ (45)
Winter Storm Uri impact	1,535	(50)	—	(17)
Unfavorable change in other operating costs	(114)	(12)	(6)	(38)
Favorable/(unfavorable) change in selling, general and administrative expenses	(37)	9	16	(15)
Other	(19)	—	—	5
Change in Adjusted EBITDA	\$ 1,674	\$ (129)	\$ 59	\$ (110)
Favorable/(unfavorable) change in depreciation and amortization	63	(8)	18	28
Change in unrealized net gains/(losses) on hedging activities	(471)	(104)	(313)	99
Impairment of long-lived and other assets	—	—	—	(74)
Generation plant retirement, transition and merger expenses	—	(1)	—	(8)
Fresh start/purchase accounting impacts	(12)	(73)	—	(37)
Winter Storm Uri impact (ERCOT default uplift and legal disputes)	635	—	—	1
Other (including interest and COVID-19 related expenses)	8	14	(3)	(20)
Change in Net income (loss)	\$ 1,897	\$ (301)	\$ (239)	\$ (121)

	Year Ended December 31, 2023 Compared to 2022				
	Retail	Texas	East	West	Sunset
Favorable change in realized revenue net of fuel driven by effectiveness of comprehensive hedging	\$ —	\$ 483	\$ 153	\$ 113	\$ 357
Higher margins driven by increase in customers and interyear timing of power supply costs	290	—	—	—	—
Winter Storm Uri bill credit runoff	92	—	—	—	—
Impacts of mild weather in 2023	(160)	—	—	—	—
Change in operating costs due primarily to change in generation volumes	—	(86)	(40)	(17)	1
Change in SG&A and other	(40)	(65)	(14)	15	(42)
Change in Adjusted EBITDA	\$ 182	\$ 332	\$ 99	\$ 111	\$ 316
Favorable/(unfavorable) change in depreciation and amortization	43	(12)	59	(37)	4
Change in unrealized net gains (losses) on hedging activities	(877)	811	1,876	618	555
Impairment of long-lived assets	—	—	—	—	25
PJM capacity performance default impacts	—	—	(3)	—	(6)
Winter Storm Uri impact (ERCOT default uplift)	(89)	(182)	—	—	—
Other (including interest expenses)	7	20	(3)	—	(31)
Change in Net income	\$ (734)	\$ 969	\$ 2,028	\$ 692	\$ 863

The change in Texas segment To supplement the amounts and explanations noted above, primary drivers of results was primarily driven by the Winter Storm Uri impacts in 2021. The increases in revenue net of fuel and operating costs are due to strong generation fleet performance during periods of higher pricing and inflationary pressures, respectively, in for the year ended December 31, 2022. Additionally, unrealized hedging losses increased in the year ended December 31, 2022 December 31, 2023 compared to the year ended December 31, 2021 due December 31, 2022 include:

- Comprehensive hedging strategy. See Energy-Related Commodity Contracts and Mark-to-Market Activities below.
- Winter Storm Uri impacts. 2022 GAAP and Adjusted EBITDA results continued to increases be materially impacted by Winter Storm Uri. In 2022, a \$189 million default uplift liability to ERCOT was extinguished and resulted in forward power prices in net income during the year, ended December 31, 2022, but had no impact on Adjusted EBITDA in 2022 as the initial liability incurred in 2021 was excluded from Adjusted EBITDA.

The change in East segment results was primarily driven by (i) higher unrealized hedging losses in the year ended December 31, 2022, SG&A expenses and other. 2023 is unfavorable compared to the year ended December 31, 2021 due to increases 2022 driven primarily by higher incentive compensation in forward power prices 2023 and insurance recoveries recorded in the year ended December 31, 2022 (ii) lower revenue net of fuel Texas in the year ended December 31, 2022 compared to the year ended December 31, 2021 due primarily to higher-than-expected migration of customers to default service providers at rates below prevailing wholesale market prices and lower capacity revenue and (iii) termination of an unfavorable acquired contract in 2021 which resulted in derecognition of an intangible liability. 2022.

The change in West segment results was driven by higher unrealized hedging losses in the year ended December 31, 2022 as compared to the year ended December 31, 2021 as forward power prices increased more in the year ended December 31, 2022 compared to the year ended December 31, 2021. Additionally, revenue net of fuel is higher in the year ended December 31, 2022 as compared to the year ended December 31, 2021 reflecting higher realized margins from our battery ESS projects (see Note 2 to the Financial Statements).

The change in Sunset segment results was driven by an unfavorable change in revenue net of fuel due primarily to lower generation volumes from coal plants due to industry-wide fuel delivery challenges in the year ended December 31, 2022 and the impairment of assets related to our Miami Fort generation facility (see Note 20 to the Financial Statements).

Asset Closure Segment — Year Ended December 31, 2022 December 31, 2023 Compared to Year Ended December 31, 2021 December 31, 2022

	Year Ended December 31,	Year Ended December 31,	Year Ended December 31,
	2023	2023	2023
Operating revenues			
Operating revenues			
Operating revenues			
Fuel, purchased power costs and delivery fees			
Fuel, purchased power costs and delivery fees			
Fuel, purchased power costs and delivery fees			
Operating costs			
Operating costs			
Operating costs			
Depreciation and amortization			
Depreciation and amortization			
Depreciation and amortization			
Selling, general and administrative expenses			
Selling, general and administrative expenses			
Selling, general and administrative expenses			
	Year Ended December 31,		Favorable (Unfavorable)
Operating loss			Change
	2022	2021	Favorable (Unfavorable)
			Change

Operating revenues	\$	296	\$	86	
Fuel, purchased power costs and delivery fees		(249)		(111)	(138)
Operating costs		(116)		(193)	77
Depreciation and amortization		(21)		(35)	14
Selling, general and administrative expenses		(40)		(50)	10
Impairment of long-lived assets		—		(38)	38
Operating loss					
Operating loss	Operating loss	(130)	(341)		211
Other income	Other income	16	44		(28)
Other income					
Other income					
Other deductions	Other deductions	(2)	(1)		(1)
Other deductions					
Other deductions					
Interest expense and related charges					
Interest expense and related charges					
Interest expense and related charges	Interest expense and related charges	(3)	—		(3)
Income (loss) before income taxes	Income (loss) before income taxes	(119)	(298)		179
Income (loss) before income taxes					
Income (loss) before income taxes					
Net loss					
Net loss					
Net loss	Net loss	\$ (119)	\$ (298)	\$	179
Adjusted EBITDA	Adjusted EBITDA	\$ (121)	\$ (121)	\$	—
Adjusted EBITDA					
Adjusted EBITDA					
Production volumes (GWh)	Production volumes (GWh)	6,670	9,706		(3,036)
Production volumes (GWh)					
Production volumes (GWh)					

Results For the year ended December 31, 2022, results and volumes for the Asset Closure segment include those from the Zimmer and Joppa Edwards generation plants plant that we retired in May 2022 on January 1, 2023 and September 2022, respectively, include unrealized hedging gains related to coal and power derivatives of \$19 million. Operating costs for the years ended December 31, 2022 December 31, 2023 and 2021 2022 also include ongoing costs associated with the decommissioning and reclamation of retired plants and mines. The change in Asset Closure segment GAAP and Adjusted EBITDA results for the year ended December 31, 2022 is 2023 are favorable to 2022 primarily due to (i) unrealized hedging gains the \$89 million gain on sale of \$31 million related to coal and power derivatives and in the year ended December 31, 2022 compared to unrealized losses of \$119 million in the year ended December 31, 2021 and (ii) severance and impairment expense recorded in the year ended December 31, 2021, in connection with plant closure announcements (see Note 3 to the Financial Statements). Freestone County, Texas.

Energy-Related Commodity Contracts and Mark-to-Market Activities


As forward power prices materially increased in 2022, our generation segments (Texas, East, West and Sunset) aggressively sold forward power for 2023 and future years. While settled power prices in 2023 are lower than 2022, the strategic hedging allowed us to lock in margins for 2023 which resulted in realized revenue net of fuel above what we were able to recognize in 2022 (were mostly hedged going into 2022 so did not recognize the full benefit of settled prices). The forward power sales are also the drivers of the changes in unrealized gains/losses on hedging activities. As power prices increase/decrease in comparison to what our generation segments have sold forward, the generation segments recognize unrealized losses/gains. The retail segment procures power from the generation segments to serve future load obligations and thus changes in forward power prices have an inverse effect on unrealized mark to market for the retail segment as compared to the generation segments. This is evident in 2022 as material increase in forward power prices drove material unrealized losses in our generation segment, partially offset by unrealized gains in our retail segment. In 2023, forward power prices decreased slightly which resulted in unrealized gains in our generation segments which is partially offset by unrealized losses in our retail segment.

		Year Ended December 31,	
		2022	2021
		Year Ended December 31,	
		Year Ended December 31,	
		Year Ended December 31,	
		2023	
Commodity contract net liability at beginning of period			
Commodity contract net liability at beginning of period			
Commodity contract net liability at beginning of period	Commodity contract net liability at beginning of period	\$ (866)	\$ (75)
Settlements/termination of positions (a)	Settlements/termination of positions (a)	1,218	(295)
Settlements/termination of positions (a)			
Settlements/termination of positions (a)			
Changes in fair value of positions in the portfolio (b)			
Changes in fair value of positions in the portfolio (b)			
Changes in fair value of positions in the portfolio (b)	Changes in fair value of positions in the portfolio (b)	(3,728)	(464)
Other activity (c)	Other activity (c)	228	(32)
Other activity (c)			
Other activity (c)			
Commodity contract net liability at end of period	Commodity contract net liability at end of period	\$ (3,148)	\$ (866)
Commodity contract net liability at end of period			
Commodity contract net liability at end of period			

- Maturity Table** — The following maturity table presents the net commodity contract liability arising from recognition of fair values at December 31, 2022 December 31, 2023, scheduled by the source of fair value and contractual settlement dates of the underlying positions.

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Prices provided by other external sources	Prices provided by other external sources	(11)	(133)	—	—	(144)
Prices based on models	Prices based on models	(321)	(592)	(205)	(101)	(1,219)
Total	Total	<u>\$(1,468)</u>	<u>\$(1,376)</u>	<u>\$(203)</u>	<u>\$(101)</u>	<u>\$(3,148)</u>

We have engaged in natural gas hedging activities to mitigate the risk of higher or lower wholesale electricity prices that have corresponded to increases or declines in natural gas prices. When natural gas prices are elevated or depressed, we continue to seek opportunities to manage our wholesale power price exposure through hedging activities, including forward wholesale and retail electricity sales.

Estimated hedging levels for generation volumes in our Texas, East, West and Sunset segments as of December 31, 2023 were as follows:

	2024	2025
<i>Nuclear/Renewable/Coal Generation:</i>		
Texas	96 %	93 %
Sunset	96 %	58 %
<i>Natural Gas Generation:</i>		
Texas	89 %	80 %
East	99 %	80 %
West	100 %	81 %

FINANCIAL CONDITION Financial Condition

Cash Flows

Operating Cash Flows

Year Ended **December 31, 2022** **December 31, 2023** Compared to Year Ended **December 31, 2021** **December 31, 2022** — Cash provided by operating activities totaled \$5.453 billion and \$485 million in the years ended December 31, 2023 and 2022, respectively. The favorable change of \$4.968 billion was primarily driven by (a) a decrease in net margin deposits (return of cash) of \$1.899 billion in the year ended **December 31, 2022** **December 31, 2023** as compared to cash used an increase in operating activities of \$206 million in the year ended December 31, 2021. The favorable change of \$691 million was primarily driven by lower cash from operations in 2021 due to Winter Storm Uri impacts and \$544 million of securitization proceeds from ERCOT in 2022 (see Note 1 to the Financial Statements), partially offset by net margin deposits of \$1.874 billion in 2022 as compared to \$1.0 billion in 2021 the year ended December 31, 2022 related to commodity contracts which support our comprehensive hedging strategy, strategy, including the impacts of cash margin deposits returned and replaced with amounts posted under an affiliate financing agreement (see Note 11 to the Financial Statements) and (b) an increase in cash from operating income exclusive of net margin deposits, partially offset by \$544 million of securitization proceeds from ERCOT in the year ended December 31, 2022 (see Note 1 to the Financial Statements).

Depreciation and amortization — Depreciation and amortization expense reported as a reconciling adjustment in the consolidated statements of cash flows exceeds the amount reported in the consolidated statements of operations by **\$451 million** **\$454 million**, **\$297 million** **\$451 million** and **\$311 million** **\$297 million** for the year years ended **December 31, 2022** **December 31, 2023**, **2021** **2022** and **2020**, **2021**, respectively. The difference represented represents amortization of nuclear fuel, which is reported as fuel costs in the consolidated statements of operations consistent with industry practice, and amortization of intangible net assets and liabilities that are reported in various other consolidated statements of operations line items including operating revenues and fuel and purchased power costs and delivery fees, fees (see Note 6 to the Financial Statements).

Investing Cash Flows

Year Ended **December 31, 2022** **December 31, 2023** Compared to Year Ended **December 31, 2021** **December 31, 2022** — Cash used in investing activities totaled **\$1.239** **\$2.145 billion** and **\$1.153 billion** **\$1.239 billion** in the years ended **December 31, 2022** **December 31, 2023** and **2021**, **2022**, respectively. The increase of **\$86 million** **\$906 million** was driven by a **\$268 million increase** (a) **\$543 million** in capital expenditures and **\$50 million** in lower insurance proceeds received, partially offset by **\$185 million** in lower higher net purchases of environmental allowances and **\$57 million** (b) a **\$375 million increase** in capital expenditures due primarily to continued development of our solar and

energy storage generation facilities (see Note 3 to the Financial Statements), partially offset by \$37 million in higher proceeds from the sale of nuclear fuel assets driven by our sale of property in Freestone County, Texas in the year ended December 31, 2023.

		Year Ended December 31,		
		2022	2021	Increase (Decrease)
		Year Ended December 31,		
		Year Ended December 31,		
		Year Ended December 31,		
		2023		
		2023		
		2023		
Capital expenditures, including LTSA prepayments				
Capital expenditures, including LTSA prepayments				
Capital expenditures, including LTSA prepayments	Capital expenditures, including LTSA prepayments	\$ (628)	\$ (549)	(79)
Nuclear fuel purchases	Nuclear fuel purchases	(198)	(44)	(154)
Nuclear fuel purchases				
Nuclear fuel purchases				
Growth and development expenditures				
Growth and development expenditures				
Growth and development expenditures	Growth and development expenditures	(475)	(440)	(35)
Total capital expenditures	Total capital expenditures	(1,301)	(1,033)	(268)
Total capital expenditures				
Total capital expenditures				
Net sales (purchases) of environmental allowances				
Net sales (purchases) of environmental allowances				
Net sales (purchases) of environmental allowances	Net sales (purchases) of environmental allowances	(28)	(213)	185
Net sales of (investments in) nuclear decommissioning trust fund securities	Net sales of (investments in) nuclear decommissioning trust fund securities	(23)	(22)	(1)
Insurance proceeds related to capital activity		39	89	(50)
Proceeds from sale of nuclear fuel		57	—	57
Net sales of (investments in) nuclear decommissioning trust fund securities				
Net sales of (investments in) nuclear decommissioning trust fund securities				
Proceeds from sales of property, plant and equipment				
Proceeds from sales of property, plant and equipment				
Proceeds from sales of property, plant and equipment				
Other investing activity				
Other investing activity				
Other investing activity	Other investing activity	17	26	(9)
Cash used in investing activities	Cash used in investing activities	\$ (1,239)	\$ (1,153)	\$ (86)
Cash used in investing activities				
Cash used in investing activities				

Financing Cash Flows

Year Ended **December 31, 2022** December 31, 2023 Compared to Year Ended **December 31, 2021** December 31, 2022 — Cash used in financing activities totaled \$294 million and \$80 million in the years ended December 31, 2023 and 2022, respectively. The \$214 million increase in cash used was driven by (a) the net repayment of \$1.075 billion in the year ended December 31, 2023 of short-term debt and accounts receivable financing amounts borrowed in the year ended December 31, 2022 compared to cash provided by financing activities of \$2.274 billion in the year ended December 31, 2021. The change of \$2.354 billion was driven by the issuance changes in collateral posting requirements and (b) \$1.5 billion principal amount of preferred stock senior secured notes issued in 2021 and higher share repurchases in May 2022, partially offset by increases (1) \$2.5 billion principal amount of senior secured and senior unsecured notes issued in net borrowings under September 2023 and December 2023, of which \$750 million will be used to fund cash tender offers in January 2024, and (2) lower share repurchases in 2023.

	Year Ended December 31,		
	2023	2022	Increase (Decrease)
Share repurchases	\$ (1,245)	\$ (1,949)	\$ 704
Issuances of senior notes	2,498	1,498	1,000
Other net long-term borrowings (repayments), including the forward capacity agreements	(33)	(251)	218
Net short-term borrowings (repayments)	(650)	650	(1,300)
Net borrowings (repayments) under the accounts receivable financing facilities	(425)	425	(850)
Dividends paid to common stockholders	(313)	(302)	(11)
Dividends paid to preferred stockholders	(150)	(151)	1
Other financing activity	24	—	24
Cash used in financing activities	<u>\$ (294)</u>	<u>\$ (80)</u>	<u>\$ (214)</u>

Collateral Financing Agreement With Affiliate

On June 15, 2023, Vistra Operations entered into a facility agreement (Facility Agreement) with a Delaware trust formed by the Company that sold 450,000 pre-capitalized trust securities (P-Caps) redeemable May 17, 2028 for an initial purchase price of \$450 million. The Trust is not consolidated by Vistra. The Trust invested the proceeds from the sale of the P-Caps in a portfolio of either (a) U.S. Treasury securities (Treasuries) or (b) Treasuries and/or principal and interest strips of Treasuries (Treasury Strips, and together with the Treasuries and cash denominated in U.S. dollars, the Eligible Assets). At the direction of Vistra Operations, the Eligible Assets held by the Trust will be (i) delivered to one or more designated subsidiaries of Vistra Operations in order to allow such subsidiaries to use the Eligible Assets to meet certain posting obligations with counterparties, and/or (ii) pledged as collateral support for a letter of credit program.

Under the Facility Agreement, Vistra Operations will have the right (Issuance Right), from time to time, to require the Trust to purchase from Vistra Operations up to \$450 million aggregate principal amount of Vistra Operations' 7.233% senior secured notes due 2028 (7.233% Senior Secured Notes) in exchange for the delivery of all or a portion of the Treasuries and Treasury Strips corresponding to the portion of the issuance right exercised at such time.

As of December 31, 2023, all of the Eligible Assets were being utilized to meet a portion of our accounts receivable current and future collateral posting obligations.

The Trust will terminate at any time prior to May 17, 2028 and distribute the 7.233% Senior Secured Notes to the holders of the P-Caps if its sole assets consist of 7.233% Senior Secured Notes that Vistra Operations is no longer entitled to repurchase.

See Note 11 for additional details of the collateral financing facilities and net short-term borrowings in 2022.

	Year Ended December 31,		
	2022	2021	Increase (Decrease)
Issuances of preferred stock in 2021	\$ —	\$ 2,000	\$ (2,000)
Share repurchases	(1,949)	(471)	(1,478)
Other net borrowings (repayments), including the forward capacity agreements	(251)	119	(370)
Dividends paid to common stockholders	(302)	(290)	(12)
Dividends paid to preferred stockholders	(151)	—	(151)
Issuance of senior secured (2022) and senior unsecured (2021) notes	1,498	1,250	248
Net borrowings (repayments) under the accounts receivable financing facilities	425	(300)	725
Net short-term borrowings (repayments)	650	—	650
Other financing activity	—	(34)	34
Cash provided by (used in) financing activities	<u>\$ (80)</u>	<u>\$ 2,274</u>	<u>\$ (2,354)</u>

agreement with affiliate.

Debt Activity

We remain committed to a strong balance sheet and have continued to state our objective to reduce our consolidated net leverage. We also intend to maintain adequate liquidity and pursue opportunities to refinance our long-term debt to extend maturities.

In May 2024 and July 2024, after taking into account the Senior Secured Notes Tender Offer settled in January 2024, \$342 million of 4.875% Senior Secured Notes and \$1.155 billion of 3.550% Senior Secured Notes, respectively, will reach maturity. We plan to fund these upcoming principal payments using a combination of cash on hand and new debt issuances. Increases in interest rates will likely result in increased borrowing costs.

See Note 9 10 to the Financial Statements for details of the Receivables Facility and Repurchase Facility and Note 10 12 to the Financial Statements for details of the Vistra Operations Credit Facilities, the Commodity-Linked Facility and other long-term debt.

Available Liquidity

The following table summarizes changes in available liquidity for the year ended December 31, 2022 December 31, 2023:

	December 31, 2022	December 31, 2021	Change
Cash and cash equivalents	\$ 455	\$ 1,325	\$ (870)
Vistra Operations Credit Facilities — Revolving Credit Facility	1,236	1,254	(18)
Vistra Operations — Commodity-Linked Facility (a)	808	—	808
Total available liquidity (b)	\$ 2,499	\$ 2,579	\$ (80)

	December 31, 2023	December 31, 2022	Change
Cash and cash equivalents (a)	\$ 3,485	\$ 455	\$ 3,030
Vistra Operations Credit Facilities — Revolving Credit Facility (b)	1,213	1,236	(23)
Vistra Operations — Commodity-Linked Facility (c)	1,101	808	293
Total available liquidity (d)(e)	\$ 5,799	\$ 2,499	\$ 3,300

- (a) See the Consolidated Statements of Cash Flows in the Financial Statements and *Cash Flows* above for details of the increase in cash and cash equivalents for the year ended December 31, 2023. The increase includes proceeds from the issuance of \$1.75 billion and \$750 million principal amount of Vistra Operations senior secured and senior unsecured notes in September 2023 and December 2023, respectively. Proceeds from the September 2023 issuance are expected to be used, together with cash on hand, to fund the Transactions. Proceeds from the December 2023 issuance were used to settle the Senior Secured Notes Tender Offers in January 2024.
- (b) The decrease in availability for the year ended December 31, 2023 was driven by a \$73 million increase in letters of credit outstanding under the facility and the maturity of \$200 million of commitments under the Non-Extended Revolving Credit Facility, partially offset by \$250 million in net repayments of borrowings under the facility.
- (c) As of December 31, 2023 and 2022, the borrowing bases are less than the facility limits of \$1.575 billion and \$1.35 billion, respectively. As of December 31, 2023, available capacity reflects the borrowing base of \$1.101 billion and no cash borrowings. As of December 31, 2022, available capacity reflects the borrowing base of \$1.208 billion less \$400 million in cash borrowings. The borrowing base is less than the facility limit of \$1.35 billion.
- (b) (d) Excludes amounts available to be borrowed under the Receivables Facility and the Repurchase Facility, respectively. See Note 9 10 to the Financial Statements for detail on our accounts receivable financing.

The \$80 million decrease in available liquidity for the year ended December 31, 2022 was primarily driven by \$1.949 billion in cash paid for share repurchases, \$1.301 billion of capital expenditures (including LTSA prepayments, nuclear fuel and development and growth expenditures), a \$418 million increase in (e) Excludes any additional letters of credit outstanding that may be issued under the Revolving Credit Facility, \$302 million in dividends paid Secured LOC Facilities. See Note 12 to common stockholders the Financial Statements for detail on our Secured LOC Facilities.

We expect to use cash on hand and \$151 million in dividends paid to preferred stockholders, partially offset by cash provided by operations, cash received from the issuance of \$1.5 billion principal amount of Vistra Operations senior secured notes issued, \$808 million in available capacity under the Commodity-Linked Facility under the aggregate commitments in effect as of December 31, 2022, \$650 million in additional aggregate commitments under the Revolving Credit Facility resulting from the Credit Agreement Amendments and \$425 million in net cash borrowings under the accounts receivable financing facilities.

We Receivables Facility and Repurchase Facility and other liquidity facilities to fund the approximately \$3.1 billion cash necessary to close the Energy Harbor acquisition. In addition, we believe that we will have access to sufficient liquidity to fund our other anticipated cash requirements through at least the next 12 months. Our operational cash flows tend to be seasonal and weighted toward the second half of the year.

Higher commodity market prices combined with our comprehensive hedging strategy have resulted in significantly increased collateral posting obligations during the year ended December 31, 2022. The majority of this collateral relates to hedges in place through 2023 and is expected to be returned as we satisfy our obligations under those contracts. As of February 23, 2023, Vistra had approximately \$2.8 billion of cash and availability under its credit facilities to meet its liquidity needs. The Company believes it has additional alternatives to maintain access to liquidity, including drawing upon available liquidity, accessing additional sources of capital or reducing capital expenditures, planned voluntary debt repayments or operating costs.

The maturities of our long-term debt are relatively modest until 2024. Interest payments on long-term debt are expected to total approximately \$596 million \$744 million in 2023, \$1.082 billion 2024, \$1.293 billion in 2024-2025, \$552 million 2025-2026, \$955 million in 2026-2027 2027-2028 and \$165 million \$1.052 billion thereafter. See Note 10 12 to the Financial Statements for details of our long-term debt maturities.

Our obligations under commodity purchase and services agreements, including capacity payments, nuclear fuel and natural gas take-or-pay contracts, coal contracts, business services and nuclear-related outsourcing and other purchase commitments, are expected to total approximately \$3.174 billion \$2.615 billion in 2023, \$2.098 billion 2024, \$2.192 billion in 2024-2025, \$919 million 2025-2026, \$982 million in 2026-2027 2027-2028 and \$406 million \$437 million thereafter. See Note 11 13 to the Financial Statements for maturities of lease liabilities and Note 12 14 to the Financial Statements for commitments related to long-term service and maintenance contracts.

Capital Expenditures

Estimated 2023 2024 capital expenditures and nuclear fuel purchases as of November 4, 2022 December 31, 2023 total approximately \$2.023 billion \$1.695 billion and include:

- \$977 billion 745 million for solar and energy storage development;
- \$744 727 million for investments in generation and mining facilities;
- \$139 149 million for nuclear fuel purchases;
- \$12 million for plant winterization investment, information technology and other corporate investments; and
- \$151 74 million for other growth expenditures.

Liquidity Effects of Commodity Hedging and Trading Activities

We have entered into commodity hedging and trading transactions that require us to post collateral if the forward price of the underlying commodity moves such that the hedging or trading instrument we hold has declined in value. We use cash, letters of credit, Eligible Assets (see Note 11 to the Financial Statements) and other forms of credit support to satisfy such collateral posting obligations. See Note 10 12 to the Financial Statements for discussion of the Vistra Operations Credit Facilities and the Commodity-Linked Facility.

Exchange cleared transactions typically require initial margin (i.e., the upfront cash and/or letter of credit posted to take into account the size and maturity of the positions and credit quality) in addition to variation margin (i.e., the daily cash margin posted to take into account changes in the value of the underlying commodity). The amount of initial margin required is generally defined by exchange rules. Clearing agents, however, typically have the right to request additional initial margin based on various factors, including market depth, volatility and credit quality, which may be in the form of cash, letters of credit, a guaranty or other forms as negotiated with the clearing agent. Cash collateral received from counterparties is either used for working capital and other business purposes, including reducing borrowings under credit facilities, or is required to be deposited in a separate account and restricted from being used for working capital and other corporate purposes. With respect to over-the-counter transactions, counterparties generally have the right to substitute letters of credit for such cash collateral. In such event, the cash collateral previously posted would be returned to such counterparties, which would reduce liquidity in the event the cash was not restricted.

As of December 31, 2022 December 31, 2023, we received or posted cash, and letters of credit and Eligible Assets for commodity hedging and trading activities as follows:

- \$3.137 1.244 billion in cash and Eligible Assets has been posted with counterparties as compared to \$1.263 billion \$3.137 billion posted at December 31, 2021 as of December 31, 2022;
- \$39 45 million in cash has been received from counterparties as compared to \$39 million received at December 31, 2021 as of December 31, 2022;
- \$2.314 2.408 billion in letters of credit have been posted with counterparties as compared to \$1.558 billion \$2.314 billion posted at December 31, 2021 as of December 31, 2022; and
- \$74 143 million in letters of credit have been received from counterparties as compared to \$35 million \$74 million received at December 31, 2021 as of December 31, 2022.

See *Collateral Support Obligations* below for information related to collateral posted in accordance with the PUCT and ISO/RTO rules.

Income Tax Payments

In the next 12 months, we do not expect to make federal income tax payments due to Vistra's NOL carryforwards. We expect to make approximately \$27 million \$35 million in state income tax payments offset by \$13 million \$10 million in state tax refunds, and \$8 million in TRA payments in the next 12 months. refunds.

For the year ended **December 31, 2022** **December 31, 2023**, there was **\$1 million** in **no** federal income tax payments, **\$33 million** **\$44 million** in state income tax payments, **\$8 million** **\$13 million** in state income tax refunds and **\$1 million** **\$9 million** in TRA payments.

Capitalization

Our capitalization ratios consisted of **71%** **70%** and **56%** **71%** long-term debt (less amounts due currently) and **29%** **30%** and **44%** **29%** stockholders' equity at **December 31, 2022** **December 31, 2023** and **2021**, **2022**, respectively. Total long-term debt (including amounts due currently) to capitalization was **73%** and **71%** at **December 31, 2023** and **56%** at **December 31, 2022** and **2021**, **2022**, respectively.

Financial Covenants

The Vistra Operations Credit Agreement and the Vistra Operations Commodity-Linked Credit Agreement each includes a covenant, solely with respect to the Revolving Credit Facility and the Commodity-Linked Facility and solely during a compliance period (which, in general, is applicable when the aggregate revolving borrowings and issued revolving letters of credit exceed 30% of the revolving commitments, provided that solely with respect to the Revolving Credit Facility only such amounts in excess of \$300 million are taken into account for purposes of determining whether a compliance period is in effect), that requires the consolidated first-lien net leverage ratio not to exceed 4.25 to 1.00 (or, during a collateral suspension period, **the consolidated total net leverage ratio** not to exceed 5.50 to 1.00). In addition, each of the Secured LOC Facilities includes a covenant that requires the consolidated first-lien net leverage ratio not to exceed 4.25 to 1.00 (or, for certain facilities that include a collateral suspension mechanism, during a collateral suspension period, **the consolidated total net leverage ratio** not to exceed 5.50 to 1.00). As of **December 31, 2022** **December 31, 2023**, we were in compliance with the Vistra Operations Credit Agreement, **Vistra Operations Commodity-Linked Credit Agreement** and Secured LOC Facilities financial covenants. **Although the period ended December 31, 2022 was not a compliance period for the Vistra Operations Commodity-Linked Credit Agreement, we would have been in compliance with this financial covenant if it was required to be tested at such time.**

See Note **10** **12** to the Financial Statements for discussion of other covenants related to the Vistra Operations Credit Facilities.

Collateral Support Obligations

The RCT has rules in place to assure that parties can meet their mining reclamation obligations. In September 2016, the RCT agreed to a collateral bond of up to \$975 million to support Luminant's reclamation obligations. The collateral bond is effectively a first lien on all of Vistra Operations' assets (which ranks pari passu with the Vistra Operations Credit Facilities) that contractually enables the RCT to be paid (up to \$975 million) before the other first-lien lenders in the event of a liquidation of our assets. Collateral support relates to land mined or being mined and not yet reclaimed as well as land for which permits have been obtained but mining activities have not yet begun and land already reclaimed but not released from regulatory obligations by the RCT, and includes cost contingency amounts.

The PUCT has rules in place to assure adequate creditworthiness of each REP, including the ability to return customer deposits, if necessary. Under these rules, at **December 31, 2022** **December 31, 2023**, Vistra has posted letters of credit in the amount of **\$74 million** **\$91 million** with the PUCT, which is subject to adjustments.

The ISOs/RTOs we operate in have rules in place to assure adequate creditworthiness of parties that participate in the markets operated by those ISOs/RTOs. Under these rules, Vistra has posted collateral support totaling **\$525 million** **\$554 million** in the form of letters of credit, \$30 million in the form of a surety bond and **\$17 million** **\$3 million** of cash at **December 31, 2022** **December 31, 2023** (which is subject to daily adjustments based on settlement activity with the ISOs/RTOs).

Material Cross Default/Acceleration Provisions

Certain of our contractual arrangements contain provisions that could result in an event of default if there were a failure under financing arrangements to meet payment terms or to observe covenants that could result in an acceleration of payments due. Such provisions are referred to as "cross default" or "cross acceleration" provisions.

A default by Vistra Operations or any of its restricted subsidiaries in respect of certain specified indebtedness in an aggregate amount in excess of **the greater of \$300 million and 17.5% of Consolidated EBITDA** may result in a cross default under the Vistra Operations Credit **Facilities. Facilities and the Commodity-Linked Facility**. Such a default would allow the lenders under each such facility to accelerate the maturity of outstanding balances under such facilities, which totaled approximately **\$2.764 billion** at **December 31, 2022** **\$2.5 billion** and zero, respectively, as of **December 31, 2023**.

Each of Vistra Operations' (or its subsidiaries') commodity hedging agreements and interest rate swap agreements that are secured with a lien on its assets on a pari passu basis with the Vistra Operations Credit Facilities lenders contains a cross-default provision. An event of a default by Vistra Operations or any of its subsidiaries relating to indebtedness equal to or above a threshold defined in the applicable agreement that results in the acceleration of such debt, would give such counterparty under these hedging agreements the right to terminate its hedge or interest rate swap agreement with Vistra Operations (or its applicable subsidiary) and require all outstanding obligations under such agreement to be settled.

Under the Vistra Operations Senior Unsecured Indentures, **and** the Vistra Operations Senior Secured Indenture **and the Indenture governing the 7.233% Senior Secured Notes**, a default under any document evidencing indebtedness for borrowed money by Vistra Operations or any Guarantor Subsidiary for failure to pay principal when due at final maturity or that results in the acceleration of such indebtedness in an aggregate amount of \$300 million or more may result in a cross default under the Vistra Operations Senior Unsecured Notes, the **Senior Secured Notes, the 7.233% Senior Secured Notes**, the Vistra Operations Credit Facilities, the Receivables Facility, the Commodity-Linked Facility and

other current or future documents evidencing any indebtedness for borrowed money by the applicable borrower or issuer, as the case may be, and the applicable Guarantor Subsidiaries party thereto.

Additionally, we enter into energy-related physical and financial contracts, the master forms of which contain provisions whereby an event of default or acceleration of settlement would occur if we were to default under an obligation in respect of borrowings in excess of thresholds, which may vary by contract.

The Receivables Facility contains a cross-default provision. The cross-default provision applies, among other instances, if TXU Energy, Dynegy Energy Services, Ambit Texas, Value Based Brands, and TriEagle Energy, each indirect subsidiaries of Vistra and originators under the Receivables Facility (Originators), and Vistra or any of their respective subsidiaries fails to make a payment of principal or interest on any indebtedness that is outstanding in a principal amount of at least \$300 million, or, in the case of Vistra, and in a principal amount of at least \$50 million, in the case of TXU Energy or any of the other Originators, in a principal amount of at least \$50 million, after the expiration of any applicable grace period, or if other events occur or circumstances exist under such indebtedness which give rise to a right of the debtholder to accelerate such indebtedness, or if such indebtedness becomes due before its stated maturity. If this cross-default provision is triggered, a termination event under the Receivables Facility would occur and the Receivables Facility may be terminated.

The Repurchase Facility contains a cross-default provision. The cross-default provision applies, among other instances, if an event of default (or similar event) occurs under the Receivables Facility or the Vistra Operations Credit Facilities. If this cross-default provision is triggered, a termination event under the Repurchase Facility would occur and the Repurchase Facility may be terminated.

Under the Secured LOC Facilities, a default by Vistra Operations or any of its restricted subsidiaries in respect of certain specified indebtedness in an aggregate amount in excess of \$300 million may result in a cross default under the Secured LOC Facilities. In addition, a default under any document evidencing indebtedness for borrowed money by Vistra Operations or any Guarantor Subsidiary for failure to pay principal when due at final maturity or that results in the acceleration of such indebtedness in an aggregate amount of \$300 million or more, may result in a termination of the Secured LOC Facilities.

Under the Commodity-Linked Facility, Vistra Operations Senior Unsecured Indenture and the Vistra Operations Senior Secured Indenture governing the 7.750% Senior Unsecured Notes and 6.950% Senior Secured Notes, respectively, a default under any document evidencing indebtedness for borrowed money by Vistra Operations or any Guarantor Subsidiary for failure to pay principal when due at final maturity or that results in the acceleration of such indebtedness in an aggregate amount that exceeds the greater of \$300 million or more, 1.5% of total assets and \$600 million may result in a termination of cross default under the Commodity-Linked Facility, respective notes and other current or future documents evidencing any indebtedness for borrowed money by the applicable borrower or issuer, as the case may be, and the applicable Guarantor Subsidiaries party thereto.

Guarantees

See Note 12.14 to the Financial Statements for discussion of guarantees.

COMMITMENTS AND CONTINGENCIES Commitments and Contingencies

See Note 12.14 to the Financial Statements for discussion of commitments and contingencies.

CHANGES IN ACCOUNTING STANDARDS Changes in Accounting Standards

See Note 1 to the Financial Statements for discussion of changes in accounting standards.

Item 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Market risk is the risk that in the normal course of business we may experience a loss in value because of changes in market conditions that affect economic factors such as commodity prices, interest rates and counterparty credit. Our exposure to market risk is affected by several factors, including the size, duration and composition of our energy and financial portfolio, as well as the volatility and liquidity of markets. Instruments used to manage this exposure include interest rate swaps to hedge debt costs, as well as exchange-traded, over-the-counter contracts and other contractual arrangements to hedge commodity prices.

Risk Oversight

We manage the commodity price, counterparty credit and commodity-related operational risk related to the competitive energy business within limitations established by senior management and in accordance with overall risk management policies. Interest rate risk is managed centrally by our treasury function. Market risks are monitored by risk management groups that operate independently of the wholesale commercial operations, utilizing defined practices and analytical methodologies. These techniques measure the risk of change in value of the portfolio of contracts and the hypothetical effect on this value from changes in market conditions and include, but are not limited to, position reporting and review, Value at Risk (VaR) methodologies and stress test scenarios. Key risk control activities include, but are not limited to, transaction review and approval (including credit review), operational and market risk measurement, transaction authority oversight, validation of transaction capture, market price validation and reporting, and portfolio valuation and reporting, including mark-to-market, VaR and other risk measurement metrics.

Vistra has a risk management organization that enforces applicable risk limits, including the respective policies and procedures to ensure compliance with such limits, and evaluates the risks inherent in our businesses.

Commodity Price Risk

Our business is subject to the inherent risks of market fluctuations in the price of electricity, natural gas and other energy-related products it markets or purchases. We actively manage the portfolio of generation assets, fuel supply and retail sales load to mitigate the near-term impacts of these risks on results of operations. Similar to other participants in the market, we cannot fully manage the long-term value impact of structural declines or increases in natural gas and power prices.

In managing energy price risk, we enter into a variety of market transactions including, but not limited to, short- and long-term contracts for physical delivery, exchange-traded and over-the-counter financial contracts and bilateral contracts with customers. Activities include hedging, the structuring of long-term contractual arrangements and proprietary trading. We continuously monitor the valuation of identified risks and adjust positions based on current market conditions. We strive to use consistent assumptions regarding forward market price curves in evaluating and recording the effects of commodity price risk.

VaR Methodology

A VaR methodology is used to measure the amount of market risk that exists within the portfolio under a variety of market conditions. The resultant VaR produces an estimate of a portfolio's potential for loss given a specified confidence level and considers, among other things, market movements utilizing standard statistical techniques given historical and projected market prices and volatilities.

Parametric processes are used to calculate VaR and are considered by management to be the most effective way to estimate changes in a portfolio's value based on assumed market conditions for liquid markets. The use of this method requires a number of key assumptions, such as use of (i) an assumed confidence level, (ii) an assumed holding period (i.e., the time necessary for management action, such as to liquidate positions) and (iii) historical estimates of volatility and correlation data. The table below details a VaR measure related to various portfolios of contracts.

VaR for Underlying Generation Assets and Energy-Related Contracts

This measurement estimates the potential loss in value, due to changes in market conditions, of all underlying generation assets and contracts, based on a 95% confidence level and an assumed holding period of 60 days. The forward period covered by this calculation includes the current and subsequent calendar year at the time of calculation.

		Year Ended December 31,	
		2022	2021
		Year Ended December 31,	
		2023	2022
Month-end average	Month-end average		
VaR	VaR	\$489	\$424
Month-end high	Month-end high		
VaR	VaR	\$686	\$684
Month-end low	Month-end low		
VaR	VaR	\$283	\$222

The month-end high VaR risk measure in 2022 2023 is currently consistent with lower than the prior year year due to lower prices and higher hedge levels.

Price Sensitivities

The following sensitivity table provides approximate estimates of the potential impact of movements in power prices and spark spreads (the difference between the power revenue and fuel expense of natural gas-fired generation as calculated using an assumed Heat Rate of 7.2 MMBtu/MWh) on realized pre-tax earnings (in millions) taking into account the hedge positions noted above for the periods presented. The residual natural gas position is calculated based on two steps: first, calculating the difference between actual Heat Rates of our natural gas generation units and the assumed 7.2 Heat Rate used to calculate the sensitivity to spark spreads; and second, calculating the residual natural gas exposure that is not already included in the natural gas generation spark spread sensitivity shown in the table below. The estimates related to price sensitivity are based on our expected generation, related hedges and forward prices as of December 31, 2023.

	2024	2025
--	------	------

Texas:			
Nuclear/Renewable/Coal Generation: \$2.50/MWh increase in power price	\$	5	\$ 9
Nuclear/Renewable/Coal Generation: \$2.50/MWh decrease in power price	\$	(4)	\$ (8)
Natural Gas Generation: \$1.00/MWh increase in spark spread	\$	7	\$ 10
Natural Gas Generation: \$1.00/MWh decrease in spark spread	\$	(6)	\$ (9)
Residual Natural Gas Position: \$0.25/MMBtu increase in natural gas price	\$	(9)	\$ 8
Residual Natural Gas Position: \$0.25/MMBtu decrease in natural gas price	\$	3	\$ (11)
East:			
Natural Gas Generation: \$1.00/MWh increase in spark spread	\$	2	\$ 11
Natural Gas Generation: \$1.00/MWh decrease in spark spread	\$	—	\$ (10)
Residual Natural Gas Position: \$0.25/MMBtu increase in natural gas price	\$	(7)	\$ (25)
Residual Natural Gas Position: \$0.25/MMBtu decrease in natural gas price	\$	7	\$ 25
West:			
Natural Gas Generation: \$1.00/MWh increase in spark spread	\$	—	\$ 1
Natural Gas Generation: \$1.00/MWh decrease in spark spread	\$	—	\$ (1)
Residual Natural Gas Position: \$0.25/MMBtu increase in natural gas price	\$	1	\$ 2
Residual Natural Gas Position: \$0.25/MMBtu decrease in natural gas price	\$	(1)	\$ (2)
Sunset:			
Coal Generation: \$2.50/MWh increase in power price	\$	3	\$ 27
Coal Generation: \$2.50/MWh decrease in power price	\$	(2)	\$ (27)

Interest Rate Risk

We manage our interest rate risk to limit the impact of interest rate changes on our results of operations and cash flows and to lower our overall borrowing costs. To achieve these objectives, a majority of our borrowings have fixed interest rates. The inflationary environment continues to drive elevated interest rates, resulting in increased expected refinancing or borrowing costs. See Item 7. *Management's Discussion and Analysis of Financial Condition, and Results of Operations – Significant Activities and Events, and Items Influencing Future Performance– Macroeconomic Conditions.*

The following table provides information concerning our financial instruments at **December 31, 2022**, **December 31, 2023** and **2021** 2022 that are sensitive to changes in interest rates. Debt amounts consist of the Vistra Operations Credit Facilities. See Note **10** **12** to the Financial Statements for further discussion of these financial instruments.

Expected Maturity Date							2022	2022	2021	2021
							Total	Total	Total	Total
							Carrying	Fair	Carrying	Fair
							Amount	Value	Amount	Value
2023	2024	2025	2026	2027	There-	after				
Expected Maturity Date							Expected Maturity Date			
							2023	2023	2022	2022
							Total	Total	Total	Total
							Carrying	Fair	Carrying	Fair
							Amount	Value	Amount	Value
Long-term debt, including current maturities (a):	Long-term debt, including current maturities (a):									
Long-term debt, including current maturities (a):										
Long-term debt, including current maturities (a):										
Variable rate debt amount										
Variable rate debt amount										

Variable rate debt amount	Variable rate debt amount	\$ 28	\$ 28	\$2,458	\$ —	\$—	\$—	\$2,514	\$2,486	\$2,543	\$2,518
Average interest rate (b)	Average interest rate (b)	6.13 %	6.13 %	6.12 %	— %	— %	— %	6.12 %		1.85 %	
Debt swapped to fixed (c):	Debt swapped to fixed (c):										
Debt swapped to fixed (c):											
Debt swapped to fixed (c):											
Notional amount	Notional amount										
Notional amount	Notional amount										
Notional amount	Notional amount	\$2,300	\$ —	\$ —	\$2,300	\$—	\$—	\$4,600		\$4,600	
Average pay rate	Average pay rate	4.18 %	4.77 %	4.77 %	4.77 %	— %	— %				
Average pay rate											
Average pay rate											
Average receive rate											
Average receive rate											
Average receive rate	Average receive rate	6.44 %	6.89 %	6.89 %	6.89 %	— %	— %				

(a) Unamortized premiums, discounts and debt issuance costs are excluded from the table.

(b) The weighted average interest rate presented is based on the rates in effect at **December 31, 2022** **December 31, 2023**.

(c) Interest rate swaps have maturity dates through **December 2030**, of which **\$1.625 billion** become effective in July 2026. **Excludes \$2.12 billion** Maturities are presented net of **\$600 million and \$700 million** of debt swapped to variable maturing in 2024 and 2026, respectively, that is matched against the terms of **\$2.12 billion** the equivalent amounts of debt swapped to fixed that effectively fix the out-of-the-money position of such swaps (see Note **10 12** to the Financial Statements).

As of **December 31, 2022** **December 31, 2023**, the potential reduction of annual pretax earnings over the next twelve months due to a one percentage-point (100 basis points) increase in floating interest rates on long-term debt totaled approximately \$2 million taking into account the interest rate swaps discussed in Note **10 12** to Financial Statements.

Credit Risk

Credit risk relates to the risk of loss associated with nonperformance by counterparties. We minimize credit risk by evaluating potential counterparties, monitoring ongoing counterparty risk and assessing overall portfolio risk. This includes review of counterparty financial condition, current and potential credit exposures, credit rating and other quantitative and qualitative credit criteria. We also employ certain risk mitigation practices, including utilization of standardized master agreements that provide for netting and setoff rights, as well as credit enhancements such as margin deposits and customer deposits, letters of credit, parental guarantees and surety bonds. See Note **15 17** to the Financial Statements for further discussion of this exposure.

Credit Exposure

Our gross credit exposure (excluding collateral impacts) associated with retail and wholesale trade accounts receivable and net derivative assets arising from commodity contracts and hedging and trading activities totaled **\$2.237 billion** **\$1.976 billion** at **December 31, 2022** **December 31, 2023**.

As of **December 31, 2022** **December 31, 2023**, Retail segment credit exposure totaled approximately **\$1.233 billion** **\$1.302 billion**, including **\$1.211 billion** **\$1.241 billion** of trade accounts receivable and **\$22 million** **\$61 million** related to derivatives. Cash deposits and letters of credit held as collateral for these receivables totaled **\$65 million** **\$54 million**, resulting in a net exposure of **\$1.168 billion** **\$1.248 billion**. Allowances for uncollectible accounts receivable are established for the **potential expected** loss from nonpayment by these customers based on historical experience, market or operational conditions and changes in the financial condition of large business customers.

As of **December 31, 2022** **December 31, 2023**, aggregate Texas, East, Sunset and Asset Closure segments credit exposure totaled **\$1.004 billion** **\$674 million** including **\$541 million** **\$545 million** related to derivative assets and **\$463 million** **\$129 million** of trade accounts receivable, after taking into account master netting agreement provisions but excluding collateral impacts.

Including collateral posted to us by counterparties, our net Texas, East, Sunset and Asset Closure segments exposure was **\$936 million** **\$551 million**, as seen in the following table that presents the distribution of credit exposure by counterparty credit quality at **December 31, 2022** **as of December 31, 2023**. Credit collateral includes cash and letters of credit but excludes other credit enhancements such as guarantees or liens on assets.

		Exposure Before Credit Collateral		Credit Collateral		Net Exposure	
		Exposure Before Credit Collateral					
		Exposure Before Credit Collateral					
		Exposure Before Credit Collateral					
		Exposure Before Credit Collateral					
Investment grade							
Investment grade							
Investment grade	Investment grade	\$	689	\$	20	\$	669
Below investment grade or no rating	Below investment grade or no rating		315		48		267
Below investment grade or no rating							
Below investment grade or no rating							
Totals							
Totals							
Totals	Totals	\$	1,004	\$	68	\$	936

Significant (i.e., 10% or greater) concentration of credit exposure exists with **one counterparty** **two counterparties**, which represented an aggregate **\$136 million** **\$293 million**, or **15%** **53%**, of our total net **exposure** **exposure as of December 31, 2023**. We view exposure to **this counterparty** **these counterparties** to be within an acceptable level of risk tolerance due to the **counterparty's counterparties'** credit ratings, the **counterparty's counterparties'** market role and deemed creditworthiness and the importance of our business relationship with the counterparty. An event of default by one or more counterparties could subsequently result in termination-related settlement payments that reduce available liquidity if amounts such as margin deposits are owed to the counterparties or delays in receipts of expected settlements owed to us.

Contracts classified as "normal" purchase or sale and non-derivative contractual commitments are not marked-to-market in the financial statements and are excluded from the detail above. Such contractual commitments may contain pricing that is favorable considering current market conditions and therefore represent economic risk if the counterparties do not perform.

FORWARD-LOOKING STATEMENTS

This report and other presentations made by us contain "forward-looking statements." All statements, other than statements of historical facts, that are included in this report, or made in presentations, in response to questions or otherwise, that address activities, events or developments that may occur in the future, including (without limitation) such matters as activities related to our financial or operational projections, capital allocation, capital expenditures, liquidity, dividend policy, business strategy, competitive strengths, goals, future acquisitions or dispositions, development or operation of power generation assets, market and industry developments and the growth of our businesses and operations (often, but not always, through the use of words or phrases such as "intends," "plans," "will likely," "unlikely," "expected," "anticipated," "estimated," "should," "may," "projection," "target," "goal," "objective" and "outlook"), are forward-looking statements. Although we believe that in making any such forward-looking statement our expectations are based on reasonable assumptions, any such forward-looking statement involves uncertainties and risks and is qualified in its entirety by reference to the discussion under Item 1A. *Risk Factors* and Item 7. *Management's Discussion and Analysis of Financial Condition and Results of Operations* in this annual report on Form 10-K and the following important factors, among others, that could cause our actual results to differ materially from those projected in or implied by such forward-looking statements:

- the actions and decisions of judicial and regulatory authorities;
- prohibitions and other restrictions on our operations due to the terms of our agreements;

- prevailing federal, state and local governmental policies and regulatory actions, including those of the legislatures and other government actions of states in which we operate, the U.S. Congress, the FERC, the NERC, the TRE, the public utility commissions of states and locales in which we operate, CAISO, ERCOT, ISO-NE, MISO, NYISO, PJM, the RCT, the NRC, the EPA, the environmental regulatory bodies of states in which we operate, the MSHA and the CFTC, with respect to, among other things:
 - allowed prices;
 - industry, market and rate structure;
 - purchased power and recovery of investments;
 - operations of nuclear generation facilities;
 - operations of fossil-fueled generation facilities;
 - operations of mines;
 - acquisition and disposal of assets and facilities;
 - development, construction and operation of facilities;
 - decommissioning costs;
 - present or prospective wholesale and retail competition;
 - changes in federal, state and local tax laws, rates and policies, including additional regulation, interpretations, amendments, or technical corrections to the TCJA and/or the IRA;
 - changes in and compliance with environmental and safety laws and policies, including the CCR Rule, National Ambient Air Quality Standards, the Cross-State Air Pollution Rule, the Mercury and Air Toxics Standard, regional haze program implementation and GHG and other climate change initiatives; and
 - clearing over-the-counter derivatives through exchanges and posting of cash collateral therewith;
 - expectations regarding, or impacts of, environmental matters, including costs of compliance, availability and adequacy of emission credits, and the impact of ongoing proceedings and potential regulations or changes to current regulations, including those relating to climate change, air emissions, cooling water intake structures, coal combustion byproducts, and other laws and regulations that we are, or could become, subject to, which could increase our costs, result in an impairment of our assets, cause us to limit or terminate the operation of certain of our facilities, or otherwise negatively impact our financial results or stock price;
 - legal and administrative proceedings and settlements;
 - general industry trends;
 - economic conditions, including the impact of any inflationary period, recession or economic downturn;
 - investor sentiment relating to climate change and utilization of fossil fuels in connection with power generation could reduce demand for, or increase potential volatility in the market price of, our common stock;
 - the severity, magnitude and duration of pandemics, including the COVID-19 pandemic, and the resulting effects on our results of operations, financial condition and cash flows;
 - the severity, magnitude and duration of extreme weather events, drought and limitations on access to water, and other weather conditions and natural phenomena, contingencies and uncertainties relating thereto, most of which are difficult to predict and many of which are beyond our control, and the resulting effects on our results of operations, financial condition and cash flows;
 - acts of sabotage, geopolitical conflicts, wars, or terrorist, cybersecurity, cybercriminal, or cyber-espionage threats or activities;
-
- risk of contract performance claims by us or our counterparties, and risks of, or costs associated with, pursuing or defending such claims;
 - our ability to collect trade receivables from counterparties in the amount or at the time expected, if at all;
 - our ability to attract, retain and profitably serve customers;
 - restrictions on or prohibitions of competitive retail pricing or direct-selling businesses;
 - adverse publicity associated with our retail products or direct selling businesses, including our ability to address the marketplace and regulators regarding our compliance with applicable laws;
 - changes in wholesale electricity prices or energy commodity prices, including the price of natural gas;
 - changes in prices of transportation of natural gas, coal, fuel oil and other refined products;
 - sufficiency of, access to, and costs associated with coal, fuel oil, natural gas, and uranium inventories and transportation and storage thereof;
 - changes in the ability of counterparties and suppliers to provide or deliver commodities, materials, or services as needed;
 - beliefs and assumptions about the benefits of state- or federal-based subsidies to our market competition, and the corresponding impacts on us, including if such subsidies are disproportionately available to our competitors;
 - the effects of, or changes to, market design and the power, ancillary services and capacity procurement processes in the markets in which we operate;
 - changes in market heat rates in the CAISO, ERCOT, ISO-NE, MISO, NYISO and PJM electricity markets;
 - our ability to effectively hedge against unfavorable commodity prices, including the price of natural gas, market heat rates and interest rates;
 - population growth or decline, or changes in market supply or demand and demographic patterns;
 - our ability to mitigate forced outage risk, including managing risk associated with Capacity Performance in PJM and performance incentives in ISO-NE;
 - efforts to identify opportunities to reduce congestion and improve busbar power prices;
 - access to adequate transmission facilities to meet changing demands;
 - changes in interest rates, commodity prices, rates of inflation or foreign exchange rates;
 - changes in operating expenses, liquidity needs and capital expenditures;
 - commercial bank market and capital market conditions and the potential impact of disruptions in U.S. and international credit markets;
 - access to capital, the attractiveness of the cost and other terms of such capital and the success of financing and refinancing efforts, including availability of funds in capital markets;

- our ability to maintain prudent financial leverage and achieve our capital allocation, performance, and cost-saving initiatives and objectives;
 - our ability to generate sufficient cash flow to make principal and interest payments in respect of, or refinance, our debt obligations;
 - our expectation that we will continue to pay (i) a consistent aggregate cash dividend amount to common stockholders on a quarterly basis and (ii) the applicable semiannual cash dividend to the Series A Preferred Stock and Series B Preferred Stock stockholders, respectively;
 - our expectation that we will continue to make repurchases under, and the possibility that we may fail to realize the anticipated benefits of, our share repurchase program, and the possibility that the program may be suspended, discontinued or not completed prior to its termination;
 - our ability to implement and successfully execute upon our strategic and growth initiatives, including the completion and integration of mergers, acquisitions and/or joint venture activity, the identification and completion of sales and divestitures activity, and the completion and commercialization of our other business development and construction projects;
 - competition for new energy development and other business opportunities;
 - inability of various counterparties to meet their obligations with respect to our financial instruments;
 - counterparties' collateral demands and other factors affecting our liquidity position and financial condition;
 - changes in technology (including large-scale electricity storage) used by and services offered by us;
 - changes in electricity transmission that allow additional power generation to compete with our generation assets;
 - our ability to attract and retain qualified employees;
 - significant changes in our relationship with our employees, including the availability of qualified personnel, and the potential adverse effects if labor disputes or grievances were to occur or changes in laws or regulations relating to independent contractor status;
 - changes in assumptions used to estimate costs of providing employee benefits, including medical and dental benefits, pension and OPEB, and future funding requirements related thereto, including joint and several liability exposure under ERISA;
 - hazards customary to the industry and the possibility that we may not have adequate insurance to cover losses resulting from such hazards;
-
- the impact of our obligations under the TRA;
 - our ability to optimize our assets through targeted investment in cost-effective technology enhancements and operations performance initiatives;
 - our ability to effectively and efficiently plan, prepare for and execute expected asset retirements and reclamation obligations and the impacts thereof;
 - our ability to successfully complete the integration of businesses acquired by Vistra and our ability to successfully capture the full amount of projected operational and financial synergies relating to such transactions; and
 - actions by credit rating agencies.

Any forward-looking statement speaks only at the date on which it is made, and except as may be required by law, we undertake no obligation to update any forward-looking statement to reflect events or circumstances after the date on which it is made or to reflect the occurrence of unanticipated events or circumstances. New factors emerge from time to time, and it is not possible for us to predict them. In addition, we may be unable to assess the impact of any such event or condition or the extent to which any such event or condition, or combination of events or conditions, may cause results to differ materially from those contained in or implied by any forward-looking statement. As such, you should not unduly rely on such forward-looking statements.

INDUSTRY AND MARKET INFORMATION

Certain industry and market data and other statistical information used throughout this report are based on independent industry publications, government publications, reports by market research firms or other published independent sources, including certain data published by CAISO, ERCOT, ISO-NE, MISO, NYISO, PJM, the environmental regulatory bodies of states in which we operate and NYMEX. We did not commission any of these publications, reports or other sources. Some data is also based on good faith estimates, which are derived from our review of internal surveys, as well as the independent sources listed above. Industry publications, reports and other sources generally state that they have obtained information from sources believed to be reliable, but do not guarantee the accuracy and completeness of such information. While we believe that each of these studies, publications, reports and other sources is reliable, we have not independently investigated or verified the information contained or referred to therein and make no representation as to the accuracy or completeness of such information. Forecasts are particularly likely to be inaccurate, especially over long periods of time, and we do not know what assumptions were used in preparing such forecasts. Statements regarding industry and market data and other statistical information used throughout this report involve risks and uncertainties and are subject to change based on various factors.

Item 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the stockholders and the Board of Directors of Vistra Corp.

Opinion on the Financial Statements

We have audited the accompanying consolidated balance sheets of Vistra Corp. and its subsidiaries (the "Company") as of **December 31, 2022**, **December 31, 2023** and **2021**, **2022**, the related consolidated statements of operations, consolidated statements of comprehensive income (loss), consolidated statements of cash flows, and consolidated statement of changes in equity, for each of the three years in the period ended **December 31, 2022**, **December 31, 2023**, and the related notes and the schedule listed in the Index at Item 15(b) (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Company as of

December 31, 2022, December 31, 2023 and 2021, 2022, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2022, December 31, 2023, in conformity with accounting principles generally accepted in the United States of America.

We have also audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the Company's internal control over financial reporting as of December 31, 2022, December 31, 2023, based on criteria established in *Internal Control—Integrated Framework(2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission and our report dated March 1, 2023, February 28, 2024, expressed an unqualified opinion on the Company's internal control over financial reporting.

Basis for Opinion

These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

Critical Audit Matters Matter

The critical audit matters matter communicated below are matters is a matter arising from the current period current-period audit of the financial statements that were was communicated or required to be communicated to the audit committee and that (1) relate relates to accounts or disclosures that are material to the financial statements and (2) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the financial statements, taken as a whole, and we are not, by communicating the critical audit matters matter below, providing a separate opinions opinion on the critical audit matters matter or on the accounts or disclosures to which they relate. it relates.

Tax Receivable Agreement Obligation

Fair Value Measurements — Certain Complex Level 3 Derivative Assets and Liabilities — Refer to Notes 1 and 7 16 to the financial statements

Critical Audit Matter Description

The Company has a tax receivable agreement (TRA) obligation that requires the Company to make annual payments to the TRA rights holders based on cash savings in income tax resulting from a step up in the tax basis of certain assets upon emergence from bankruptcy in 2016. The carrying value of the TRA obligation is based on the discounted amount of forecasted payments to the TRA rights holders. Determining the carrying value of the TRA obligation requires management to make significant estimates and assumptions in preparing its forecast of taxable income for a period of approximately 35 years. Changes to either the estimated timing or amount of expected TRA payments impact the carrying value of the obligation. As of December 31, 2022, the carrying value of the TRA obligation totaled \$522 million.

Given the significant judgements made by management to estimate the TRA obligation, performing audit procedures to evaluate the reasonableness of management's estimate and assumptions related to the estimated future taxable income required a high degree of auditor judgement and an increased extent of effort, including the need to involve our income tax specialists.

How the Critical Audit Matter Was Addressed in the Audit

Our audit procedures related to the evaluation of estimated future taxable income included the following, among others:

- We tested the effectiveness of controls over management's determination of the TRA obligation carrying amount, including controls over developing estimated future taxable income.
- With the assistance of our income tax specialists, we evaluated the following elements in testing management's estimated future taxable income:
 - The application of tax laws and regulations
 - Future reversals of existing temporary differences, including the timing and amount of loss carryforwards
- We evaluated the reasonableness of management's estimates of future taxable income by comparing the estimates to:
 - Historical taxable income

- Internal communications to management and the Board of Directors
- Forecasted information included in the Company's press releases as well as in analyst and industry reports for the Company
- We assessed the consistency of future taxable income with evidence obtained in other areas of the audit.

Fair Value Measurements — Level 3 Derivative Assets and Liabilities — Refer to Notes 1 and 14 to the financial statements

Critical Audit Matter Description

The Company has derivative assets and liabilities whose fair values are based on complex proprietary models and/or unobservable inputs. These financial instruments can span a broad array of product contract types, some of which include especially complex valuations due to unique contract terms and generally include significant judgement by management in estimating prices or volumes, including (1) power purchases and sales that include power and heat rate positions; (2) physical power and natural gas options spread options, and swaptions; (3) forward purchase contracts for power, natural gas, coal, environmental allowances, congestion revenue rights and financial transmission rights; and (4) retail sales contracts. Under accounting principles generally accepted in the United States of America, these financial instruments are generally classified as Level 3 derivative assets or liabilities. As of December 31, 2022, the fair value of the Level 3 derivative assets and liabilities totaled \$791 million and \$2,010 million, respectively.

Given management uses complex proprietary models and/or unobservable inputs to estimate the fair value of the aforementioned Level 3 derivative assets and liabilities, performing audit procedures to evaluate the reasonableness of the fair value of Level 3 derivative assets and liabilities required a high degree of auditor judgment and an increased extent of effort, including the need to involve our energy commodity fair value specialists who possess significant quantitative and modeling expertise.

How the Critical Audit Matter Was Addressed in the Audit

Our audit procedures related to the evaluation of the fair value of Level 3 derivative assets and liabilities included the following, among others:

- We tested the effectiveness of controls over derivative asset and liability valuations, including controls related to verification appropriate application of illiquid price curves and other significant unobservable valuation inputs.
- We obtained the Company's complete listing of derivative assets and liabilities and related fair values as of December 31, 2022 December 31, 2023, to confirm our obtain an understanding of the types of instruments outstanding.
- We assessed the consistency by which management has applied illiquid price curves and significant unobservable valuation inputs.
- With the assistance of our energy commodity fair value specialists, we developed independent estimates of the fair value of a sample of Level 3 derivative instruments and compared our estimates to the Company's estimates.

Valuation Allowance for Deferred Tax Assets — Refer to Notes 1 and 6 to the financial statements

Critical Audit Matter Description

As described in Note 6 to the consolidated financial statements, as of December 31, 2022, the Company has net deferred tax assets of \$1.709 million.

The Company evaluates the realizability of the deferred tax assets, and to the extent that the Company estimates that it is more likely than not that a benefit will not be realized, a valuation allowance is recognized to reduce the deferred tax assets to an amount that is more likely than not to be realized.

As a part of this evaluation, the Company assesses all available positive and negative evidence, including future reversals of existing taxable temporary differences, projected future taxable income, tax-planning strategies, and results of recent operations, to determine whether sufficient future taxable income will be generated to realize existing deferred tax assets.

The Company has identified objective and verifiable negative evidence, most notably, in the form of cumulative losses on an unadjusted basis over the preceding 12 quarters ended December 31, 2022. When determining whether cumulative losses in recent years exist, an entity should generally not exclude nonrecurring items from its results. It may, however, be appropriate for the entity to exclude nonrecurring items when projecting future income in connection with its determination of the amount of the valuation allowance needed. The Company evaluated its historical earnings after adjusting for certain nonrecurring items for purposes of projecting future income, performed scheduling of the reversal of temporary differences, and considered other evidence giving rise to positive and negative evidence.

On the basis of this evaluation, the Company considered the relative weight of the available negative and positive evidence and concluded its net deferred tax assets of \$1.709 million, inclusive of a \$63 million valuation allowance, will be realizable.

We identified the valuation of net deferred tax assets as a critical audit matter because of the significant judgments made by management in projecting future income.

Our audit procedures required a high degree of auditor judgment and an increased extent of effort, including the need to involve our tax specialists, to evaluate the reasonableness of management's estimates of the projected future income.

How the Critical Audit Matter Was Addressed in the Audit

Our audit procedures related to the determination that it is more likely than not that sufficient taxable income will be generated in the future to realize deferred tax assets included the following, among others:

- We tested the effectiveness of management's controls over deferred tax assets, estimates of projected income, and the evaluation of whether it is more likely than not that the deferred tax assets will be realized
- With the assistance of our tax specialists, we evaluated:
 - the Company's adjusted book income calculation, including the accuracy the 3-year cumulative income/loss position as adjusted for nonrecurring items
 - the reasonableness of the methods, assumptions, and judgments used by management, including the evaluation of the relative weight of the positive and negative evidence available in management's assessment to determine whether a valuation allowance was necessary
 - the future reversals of taxable temporary differences and whether the sources of management's income were of the appropriate character and sufficient to utilize the deferred tax assets under the relevant tax law, considering attribute expiry
 - the completeness and accuracy of the deferred tax assets included in the Company's scheduling exercise to ensure all attributes were appropriately included
 - any tax law changes that would impact the Company's ability to utilize deferred tax assets and evaluated whether the Company's analysis appropriately factors in the law changes
- We evaluated management's ability to accurately estimate income by comparing actual results to management's historical estimates and evaluating whether there have been any changes that would affect management's ability to continue to accurately estimate income.
- We assessed the consistency of projected income with evidence obtained in other areas of the audit.

/s/ Deloitte & Touche LLP

Dallas, Texas

March 1, 2023 February 28, 2024

We have served as the Company's auditor since 2002.

VISTRA CORP.
CONSOLIDATED STATEMENTS OF OPERATIONS
(Millions of Dollars, Except Per Share Amounts)

		Year Ended December 31,		
		2022	2021	2020
Operating revenues (Note 4) \$		13,728 \$	12,077 \$	11,443 \$

		Year Ended December 31,		
		2023	2022	2021
Operating revenues (Note 5)				
Fuel, purchased power costs and delivery fees	Fuel, purchased power costs and delivery fees	(10,401)	(9,169)	(5,174)

Operating costs	Operating costs	(1,645)	(1,559)	(1,622)
Depreciation and amortization	Depreciation and amortization	(1,596)	(1,753)	(1,737)
Selling, general and administrative expenses	Selling, general and administrative expenses	(1,189)	(1,040)	(1,035)
Impairment of long-lived and other assets	Impairment of long-lived and other assets	(74)	(71)	(356)
Impairment of long-lived and other assets				
Impairment of long-lived and other assets				
Operating income (loss)	Operating income (loss)	(1,177)	(1,515)	1,519
Other income (Note 20)		117	140	34
Other deductions (Note 20)		(4)	(16)	(42)
Interest expense and related charges (Note 20)		(368)	(384)	(630)
Impacts of Tax Receivable Agreement (Note 7)		(128)	53	5
Equity in earnings of unconsolidated investment (Note 20)		—	—	4
Other income (Note 22)				
Other deductions (Note 22)				
Interest expense and related charges (Note 22)				
Impacts of Tax Receivable Agreement (Note 8)				
Net income (loss) before income taxes	Net income (loss) before income taxes	(1,560)	(1,722)	890
Income tax (expense) benefit (Note 6)		350	458	(266)
Net income (loss) before income taxes				
Net income (loss) before income taxes				
Income tax (expense) benefit (Note 7)				
Net income (loss)	Net income (loss)	(1,210)	(1,264)	624

Net (income) loss attributable to noncontrolling interest	Net (income) loss attributable to noncontrolling interest	(17)	(10)	12
Net income (loss) attributable to Vistra	Net income (loss) attributable to Vistra	(1,227)	(1,274)	636
Cumulative dividends attributable to preferred stock	Cumulative dividends attributable to preferred stock	(150)	(21)	—
Net income (loss) attributable to Vistra common stock	Net income (loss) attributable to Vistra common stock	\$ (1,377)	\$ (1,295)	\$ 636
Weighted average shares of common stock outstanding:	Weighted average shares of common stock outstanding:			
Basic	Basic	422,447,074	482,214,544	488,668,263
Basic				
Diluted	Diluted	422,447,074	482,214,544	491,090,468
Net income (loss) per weighted average share of common stock outstanding:	Net income (loss) per weighted average share of common stock outstanding:			
Basic	Basic	\$ (3.26)	\$ (2.69)	\$ 1.30
Basic				
Diluted	Diluted	\$ (3.26)	\$ (2.69)	\$ 1.30

See Notes to the Consolidated Financial Statements.

CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)
(Millions of Dollars)

		Year Ended December 31,					
		2022	2021	2020			
		Year Ended December 31,			Year Ended December 31,		
		2023	2022	2021	2023	2022	2021
Net income (loss)	Net income (loss)	\$ (1,210)	\$ (1,264)	\$ 624			
Other comprehensive income (loss), net of tax effects:	Other comprehensive income (loss), net of tax effects:						

Effects related to pension and other retirement benefit obligations (net of tax expense (benefit) of \$7, \$9 and \$(5))	23	32	(18)
Effects related to pension and other retirement benefit obligations (net of tax expense of \$—, \$7 and \$9)			
Effects related to pension and other retirement benefit obligations (net of tax expense of \$—, \$7 and \$9)			
Effects related to pension and other retirement benefit obligations (net of tax expense of \$—, \$7 and \$9)			
Total other comprehensive income (loss)			
Total other comprehensive income (loss)			
Total other comprehensive income (loss)	23	32	(18)
Comprehensive income (loss)	(1,187)	(1,232)	606
Comprehensive (income) loss attributable to noncontrolling interest	(17)	(10)	12
Comprehensive income (loss) attributable to Vistra	<u>\$ (1,204)</u>	<u>\$ (1,242)</u>	<u>\$ 618</u>

See Notes to the Consolidated Financial Statements.

VISTRA CORP.
CONSOLIDATED STATEMENTS OF CASH FLOWS
(Millions of Dollars)

		Year Ended December 31,					
		2022	2021	2020			
		Year Ended December 31,			Year Ended December 31,		
		2023	2022	2021	2023	2022	2021
Cash flows — operating activities:	Cash flows — operating activities:						
Net income (loss)	Net income (loss)						
Net income (loss)	Net income (loss)						
Net income (loss)	Net income (loss)	\$ (1,210)	\$ (1,264)	\$ 624			

Adjustments to reconcile net income (loss) to cash provided by (used in) operating activities:	Adjustments to reconcile net income (loss) to cash provided by (used in) operating activities:			
Depreciation and amortization	Depreciation and amortization	2,047	2,050	2,048
Depreciation and amortization				
Depreciation and amortization				
Deferred income tax expense (benefit), net	Deferred income tax expense (benefit), net	(359)	(475)	230
Gain on sale of land				
Gain on sale of land				
Gain on sale of land				
Impairment of long-lived and other assets	Impairment of long-lived and other assets	74	71	356
Loss on disposal of investment in NELP		—	—	29
Unrealized net (gain) loss from mark-to-market valuations of commodities				
Unrealized net (gain) loss from mark-to-market valuations of commodities				
Unrealized net (gain) loss from mark-to-market valuations of commodities	Unrealized net (gain) loss from mark-to-market valuations of commodities	2,510	759	(231)
Unrealized net (gain) loss from mark-to-market valuations of interest rate swaps	Unrealized net (gain) loss from mark-to-market valuations of interest rate swaps	(250)	(134)	155
Change in asset retirement obligation liability	Change in asset retirement obligation liability	13	(5)	7
Asset retirement obligation accretion expense	Asset retirement obligation accretion expense	34	38	43
Impacts of Tax Receivable Agreement	Impacts of Tax Receivable Agreement	128	(53)	(5)
Gain on TRA settlement				

Bad debt expense	Bad debt expense	179	110	110
Stock-based compensation	Stock-based compensation	63	47	65
Other, net	Other, net	(79)	41	(22)
Changes in operating assets and liabilities:	Changes in operating assets and liabilities:			
Accounts receivable — trade				
Accounts receivable — trade				
Accounts receivable — trade	Accounts receivable — trade	(852)	(228)	(33)
Inventories	Inventories	36	(100)	(59)
Accounts payable — trade	Accounts payable — trade	94	402	(40)
Commodity and other derivative contractual assets and liabilities	Commodity and other derivative contractual assets and liabilities	(228)	32	27
Margin deposits, net	Margin deposits, net	(1,874)	(1,000)	(20)
Uplift securitization proceeds receivable from ERCOT	Uplift securitization proceeds receivable from ERCOT	544	(544)	—
Accrued interest	Accrued interest	16	13	(20)
Accrued taxes	Accrued taxes	(8)	(20)	22
Accrued employee incentive	Accrued employee incentive	21	(68)	39
Tax Receivable Agreement payment		(1)	(2)	—
Asset retirement obligation settlement				
Asset retirement obligation settlement				
Asset retirement obligation settlement	Asset retirement obligation settlement	(87)	(88)	(118)
Major plant outage deferral	Major plant outage deferral	20	2	2
Other — net assets	Other — net assets	(17)	(27)	219
Other — net liabilities	Other — net liabilities	(329)	237	(91)

Cash provided by (used in) operating activities	Cash provided by (used in) operating activities	485	(206)	3,337
Cash flows — investing activities:	Cash flows — investing activities:			
Capital expenditures, including nuclear fuel purchases and LTSA prepayments	Capital expenditures, including nuclear fuel purchases and LTSA prepayments	(1,301)	(1,033)	(1,259)
Capital expenditures, including nuclear fuel purchases and LTSA prepayments	Capital expenditures, including nuclear fuel purchases and LTSA prepayments			
Proceeds from sales of nuclear decommissioning trust fund securities	Proceeds from sales of nuclear decommissioning trust fund securities			
Proceeds from sales of nuclear decommissioning trust fund securities	Proceeds from sales of nuclear decommissioning trust fund securities			
Proceeds from sales of nuclear decommissioning trust fund securities	Proceeds from sales of nuclear decommissioning trust fund securities	670	483	433
Investments in nuclear decommissioning trust fund securities	Investments in nuclear decommissioning trust fund securities	(693)	(505)	(455)
Proceeds from sales of environmental allowances	Proceeds from sales of environmental allowances	1,275	392	165
Purchases of environmental allowances	Purchases of environmental allowances	(1,303)	(605)	(504)
Insurance proceeds	Insurance proceeds	39	89	35
Proceeds from sale of assets	Proceeds from sale of assets	21	30	24
Proceeds from sale of nuclear fuel	Proceeds from sale of nuclear fuel	57	—	—
Proceeds from sales of property, plant and equipment	Proceeds from sales of property, plant and equipment			
Other, net	Other, net			
Other, net	Other, net	(4)	(4)	(11)
Cash used in investing activities	Cash used in investing activities	(1,239)	(1,153)	(1,572)

VISTRA CORP.
CONSOLIDATED STATEMENTS OF CASH FLOWS
(Millions of Dollars)

		Year Ended December 31,		
		2022	2021	2020
		Year Ended December 31,		
		2023	2022	2021
Cash flows — financing activities:	Cash flows — financing activities:			
Issuances of preferred stock	Issuances of preferred stock	—	2,000	—
Issuances of preferred stock	Issuances of preferred stock			
Issuances of long-term debt	Issuances of long-term debt			
Issuances of long-term debt	Issuances of long-term debt			
Issuances of long-term debt	Issuances of long-term debt			
Issuances of long-term debt	Issuances of long-term debt			
Issuances of long-term debt	Issuances of long-term debt			
Repayments/repurchases of debt	Repayments/repurchases of debt	1,498	1,250	—
Repayments/repurchases of debt	Repayments/repurchases of debt	(251)	(381)	(1,008)
Borrowings under Term Loan A	Borrowings under Term Loan A	—	1,250	—
Repayment under Term Loan A	Repayment under Term Loan A	—	(1,250)	—
Proceeds from forward capacity agreement	Proceeds from forward capacity agreement	—	500	—
Net borrowings/(payments) under accounts receivable financing	Net borrowings/(payments) under accounts receivable financing	425	(300)	(150)
Net borrowings/(repayments) under accounts receivable financing	Net borrowings/(repayments) under accounts receivable financing			
Borrowings under Revolving Credit Facility	Borrowings under Revolving Credit Facility	1,750	1,450	1,075
Repayments under Revolving Credit Facility	Repayments under Revolving Credit Facility	(1,500)	(1,450)	(1,425)
Borrowings under Commodity-Linked Facility	Borrowings under Commodity-Linked Facility	3,150	—	—
Repayments under Commodity-Linked Facility	Repayments under Commodity-Linked Facility	(2,750)	—	—
Debt issuance costs	Debt issuance costs	(31)	(13)	(17)
Share repurchases	Share repurchases	(1,949)	(471)	—
Stock repurchases	Stock repurchases			
Dividends paid to common stockholders	Dividends paid to common stockholders	(302)	(290)	(266)
Dividends paid to preferred stockholders	Dividends paid to preferred stockholders	(151)	—	—
Other, net	Other, net	31	(21)	(5)
Cash provided by (used in) financing activities	Cash provided by (used in) financing activities	(80)	2,274	(1,796)

Net change in cash, cash equivalents and restricted cash	Net change in cash, cash equivalents and restricted cash	(834)	915	(31)
Cash, cash equivalents and restricted cash — beginning balance	Cash, cash equivalents and restricted cash — beginning balance	1,359	444	475
Cash, cash equivalents and restricted cash — ending balance	Cash, cash equivalents and restricted cash — ending balance	\$ 525	\$1,359	\$ 444

See Notes to the Consolidated Financial Statements.

		VISTRA CORP.	
		CONSOLIDATED BALANCE SHEETS	
		(Millions of Dollars)	
		December 31,	
		2022	2021
ASSETS			
Current assets:			
Cash and cash equivalents		\$ 455	\$ 1,325
Restricted cash (Note 20)		37	21
Trade accounts receivable — net (Note 20)		2,059	1,397
Income taxes receivable		27	15
Inventories (Note 20)		570	610
Commodity and other derivative contractual assets (Note 15)		4,538	2,513
Margin deposits related to commodity contracts		3,137	1,263
Uplift securitization proceeds receivable from ERCOT (Note 1)		—	544
Prepaid expense and other current assets		293	195
Total current assets		11,116	7,883
Restricted cash (Note 20)		33	13
Investments (Note 20)		1,729	2,049
Property, plant and equipment — net (Note 20)		12,554	13,056
Operating lease right-of-use assets (Note 11)		51	40
Goodwill (Note 5)		2,583	2,583
Identifiable intangible assets — net (Note 5)		1,958	2,146
Commodity and other derivative contractual assets (Note 15)		702	250
Accumulated deferred income taxes (Note 6)		1,710	1,302
Other noncurrent assets		351	361
Total assets		\$ 32,787	\$ 29,683
LIABILITIES AND EQUITY			
Current liabilities:			
Short-term borrowings (Note 10)		\$ 650	\$ —
Accounts receivable financing (Note 9)		425	—
Long-term debt due currently (Note 10)		38	254
Trade accounts payable		1,556	1,515
Commodity and other derivative contractual liabilities (Note 15)		6,610	3,023
Margin deposits related to commodity contracts		39	39
Accrued taxes other than income		199	207
Accrued interest		160	143
Asset retirement obligations (Note 20)		128	104
Operating lease liabilities (Note 11)		8	5

Other current liabilities	524	553
Total current liabilities	10,337	5,843
Long-term debt, less amounts due currently (Note 10)	11,933	10,477
Operating lease liabilities (Note 11)	45	38
Commodity and other derivative contractual liabilities (Note 15)	1,726	804
Accumulated deferred income taxes (Note 6)	1	—
Tax Receivable Agreement obligation (Note 7)	514	394
Asset retirement obligations (Note 20)	2,309	2,346
Other noncurrent liabilities and deferred credits (Note 20)	1,004	1,489
Total liabilities	27,869	21,391

VISTRA CORP. CONSOLIDATED BALANCE SHEETS (Millions of Dollars)			
		December 31,	
		2023	2022
ASSETS			
Current assets:			
Cash and cash equivalents	\$	3,485	\$ 455
Restricted cash (Note 22)		40	37
Trade accounts receivable — net (Note 22)		1,674	2,059
Income taxes receivable		6	27
Inventories (Note 22)		740	570
Commodity and other derivative contractual assets (Note 17)		3,645	4,538
Margin deposits related to commodity contracts		1,244	3,137
Margin deposits posted under affiliate financing agreement (Note 11)		439	—
Prepaid expense and other current assets		364	293
Total current assets		11,637	11,116
Restricted cash (Note 22)		14	33
Investments (Note 22)		2,035	1,729
Property, plant and equipment — net (Note 22)		12,432	12,554
Operating lease right-of-use assets (Note 13)		50	51
Goodwill (Note 6)		2,583	2,583
Identifiable intangible assets — net (Note 6)		1,864	1,958
Commodity and other derivative contractual assets (Note 17)		577	702
Accumulated deferred income taxes (Note 7)		1,223	1,710
Other noncurrent assets		551	351
Total assets	\$	32,966	\$ 32,787
LIABILITIES AND EQUITY			
Current liabilities:			
Short-term borrowings (Note 12)	\$	—	\$ 650
Accounts receivable financing (Note 10)		—	425
Long-term debt due currently (Note 12)		2,286	38
Trade accounts payable		1,147	1,556
Commodity and other derivative contractual liabilities (Note 17)		5,258	6,610
Margin deposits related to commodity contracts		45	39
Accrued taxes other than income		203	199
Accrued interest		206	160
Asset retirement obligations (Note 22)		124	128
Operating lease liabilities (Note 13)		7	8
Other current liabilities		547	524

Total current liabilities	9,823	10,337
Margin deposits financing with affiliate (Note 11)	439	—
Long-term debt, less amounts due currently (Note 12)	12,116	11,933
Operating lease liabilities (Note 13)	48	45
Commodity and other derivative contractual liabilities (Note 17)	1,688	1,726
Accumulated deferred income taxes (Note 7)	1	1
Tax Receivable Agreement obligation (Note 8)	164	514
Asset retirement obligations (Note 22)	2,414	2,309

VISTRA CORP.
CONSOLIDATED BALANCE SHEETS
(Millions of Dollars)

	December 31,	
	2022	2021
Commitments and Contingencies (Note 12)		
Total equity (Note 13):		
Preferred stock, number of shares authorized — 100,000,000; Series A (liquidation preference — \$1,000; shares outstanding: December 31, 2022 and 2021 — 1,000,000; Series B (liquidation preference — \$1,000; shares outstanding: December 31, 2022 and 2021 — 1,000,000)	2,000	2,000
Common stock (par value — \$0.01; number of shares authorized — 1,800,000,000) (shares outstanding: December 31, 2022 — 389,754,870; December 31, 2021 — 469,072,597)	5	5
Treasury stock, at cost (shares: December 31, 2022 — 147,424,202; December 31, 2021 — 63,856,879)	(3,395)	(1,558)

	December 31,		December 31,	
	2023		2023	2022
Other noncurrent liabilities and deferred credits (Note 22)				
Total liabilities				
Commitments and Contingencies (Note 14)		Commitments and Contingencies (Note 14)		
Total equity (Note 15):				

Preferred stock, number of
shares authorized —
100,000,000; Series A
(liquidation preference —
\$1,000; shares outstanding:
December 31, 2023 and 2022
— 1,000,000; Series B
(liquidation preference —
\$1,000; shares outstanding:
December 31, 2023 and 2022
— 1,000,000; Series C
(liquidation preference —
\$1,000; shares outstanding:
December 31, 2023 —
476,081; December 31, 2022
— zero)

Preferred stock, number of
shares authorized —
100,000,000; Series A
(liquidation preference —
\$1,000; shares outstanding:
December 31, 2023 and 2022
— 1,000,000; Series B
(liquidation preference —
\$1,000; shares outstanding:
December 31, 2023 and 2022
— 1,000,000; Series C
(liquidation preference —
\$1,000; shares outstanding:
December 31, 2023 —
476,081; December 31, 2022
— zero)

Preferred stock, number of
shares authorized —
100,000,000; Series A
(liquidation preference —
\$1,000; shares outstanding:
December 31, 2023 and 2022
— 1,000,000; Series B
(liquidation preference —
\$1,000; shares outstanding:
December 31, 2023 and 2022
— 1,000,000; Series C
(liquidation preference —
\$1,000; shares outstanding:
December 31, 2023 —
476,081; December 31, 2022
— zero)

Common stock
(par value —
\$0.01; number
of shares
authorized —
1,800,000,000)
(shares
outstanding:
December 31,
2023 —
351,457,016;
December 31,
2022 —
389,754,870)

Treasury stock, at cost (shares: December 31, 2023 — 192,178,156; December 31, 2022 — 147,424,202)			
Additional paid-in- capital	Additional paid-in-capital	9,928	9,824
Retained deficit	Retained deficit	(3,643)	(1,964)
Accumulated other comprehensive income (loss)		7	(16)
Accumulated other comprehensive income			
Stockholders' equity	Stockholders' equity	4,902	8,291
Noncontrolling interest in subsidiary	Noncontrolling interest in subsidiary	16	1
Total equity	Total equity	4,918	8,292
Total liabilities and equity	Total liabilities and equity	\$32,787	\$29,683

See Notes to the Consolidated Financial Statements.

VISTRA CORP.
CONSOLIDATED STATEMENT OF CHAN
(Millions of Dollars)

	Accumulated									
	Preferred	Common	Treasury	Additional	Retained	Other	Total	Noncontrolling	Total	
	Stock	Stock	Stock	Paid-In Capital	Deficit	Comprehensive Income (Loss)	Stockholders' Equity	Interest in Subsidiary	Equity	
Balances at December 31, 2019	\$ —	\$ 5	\$ (973)	\$9,721	\$ (764)	\$ (30)	\$ 7,959	\$ 1	\$7,960	
Effects of stock-based compensation	—	—	—	65	—	—	65	—	65	
Net income (loss)	—	—	—	—	636	—	636	(12)	624	
Dividends declared on common stock	—	—	—	—	(266)	—	(266)	—	(266)	
Adoption of accounting standard	—	—	—	—	(4)	—	(4)	—	(4)	
Change in accumulated other comprehensive income (loss)	—	—	—	—	—	(18)	(18)	—	(18)	
Investment by noncontrolling interest	—	—	—	—	—	—	—	1	1	
Other	—	—	—	—	(1)	—	(1)	—	(1)	

	Accumulated					
	Additional			Other		
	Preferred	Common	Treasury	Paid-In	Retained	Comprehensive
Preferred Stock	Stock	Stock	Stock	Capital	Deficit	Income (Loss)

Balances at December 31, 2020	Balances at December 31, 2020	\$	—	\$	5	\$	(973)	\$9,786	\$	(399)	\$	(48)	\$	8,371	\$	(10)	\$8,361
Series A Preferred Stock issued	Series A Preferred Stock issued	1,000	—	—	—	(10)	—	—	—	—	—	—	990	—	—	990	
Series B Preferred Stock issued	Series B Preferred Stock issued	1,000	—	—	—	(15)	—	—	—	—	—	—	985	—	—	985	
Stock repurchases																	
Stock repurchases																	
Stock repurchases	Stock repurchases	—	—	—	(585)	—	—	—	—	—	—	—	(585)	—	—	(585)	
Effects of stock-based compensation	Effects of stock-based compensation	—	—	—	—	60	—	—	—	—	—	—	60	—	—	60	
Net income (loss)	Net income (loss)	—	—	—	—	—	(1,274)	—	—	(1,274)	—	—	(1,274)	10	—	(1,264)	
Dividends declared on common stock	Dividends declared on common stock	—	—	—	—	—	(290)	—	—	(290)	—	—	(290)	—	—	(290)	
Change in accumulated other comprehensive income (loss)	Change in accumulated other comprehensive income (loss)	—	—	—	—	—	—	—	—	32	—	—	32	—	—	32	
Change in accumulated other comprehensive income (loss)																	
Change in accumulated other comprehensive income (loss)																	
Investment by noncontrolling interest	Investment by noncontrolling interest	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	
Other	Other	—	—	—	—	3	(1)	—	—	—	—	—	2	—	—	2	
Balances at December 31, 2021	Balances at December 31, 2021	\$2,000	\$	5	\$	(1,558)	\$9,824	\$	(1,964)	\$	(16)	\$	8,291	\$	1	\$8,292	
Stock repurchases																	
Stock repurchases																	
Stock repurchases	Stock repurchases	—	—	—	(1,837)	—	—	—	—	—	—	—	(1,837)	—	—	(1,837)	
Effects of stock-based compensation	Effects of stock-based compensation	—	—	—	—	103	—	—	—	—	—	—	103	—	—	103	
Net income (loss)	Net income (loss)	—	—	—	—	—	(1,227)	—	—	(1,227)	—	—	(1,227)	17	—	(1,210)	
Dividends declared on common stock	Dividends declared on common stock	—	—	—	—	—	(302)	—	—	(302)	—	—	(302)	—	—	(302)	
Dividends declared on preferred stock	Dividends declared on preferred stock	—	—	—	—	—	(151)	—	—	(151)	—	—	(151)	—	—	(151)	
Change in accumulated other comprehensive income (loss)	Change in accumulated other comprehensive income (loss)	—	—	—	—	—	—	—	—	23	—	—	23	—	—	23	

Change in accumulated other comprehensive income (loss)											
Change in accumulated other comprehensive income (loss)											
Other	Other	—	—	—	1	1	—	2	(2)	—	
Other											
Other											
Balances at December 31, 2022	Balances at December 31, 2022	\$2,000	\$ 5	\$(3,395)	\$9,928	\$(3,643)	\$ 7	\$ 4,902	\$ 16	\$4,918	
Series C Preferred Stock issued											
Series C Preferred Stock issued											
Series C Preferred Stock issued											
Stock repurchases											
Effects of stock-based compensation											
Net income (loss)											
Dividends declared on common stock											
Dividends declared on preferred stock											
Change in accumulated other comprehensive income (loss)											
Change in accumulated other comprehensive income (loss)											
Change in accumulated other comprehensive income (loss)											
Other											
Other											
Other											
Balances at December 31, 2023											

See Notes to the Consolidated Financial Statements.

VISTRA CORP. NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

1. BUSINESS AND SIGNIFICANT ACCOUNTING POLICIES

Description of Business

References in this report to "we," "our," "us" and "the Company" are to Vistra and/or its subsidiaries, as apparent in the context. See [Glossary of Terms and Abbreviations](#) for defined terms.

Vistra is a holding company operating an integrated retail and electric power generation business primarily in markets throughout the U.S. Through our subsidiaries, we are engaged in competitive energy market activities including electricity generation, wholesale energy sales and purchases, commodity risk management and retail sales of electricity and natural gas to end users. **Effective July 2, 2020, we changed our name from Vistra Energy Corp. to Vistra Corp. (Vistra) to distinguish from companies that are involved in the exploring for, producing, refining, or transporting fossil fuels (many of which use "energy" in their names) and to better reflect or integrated business model, which combines a retail**

electricity and natural gas business focused on serving its customers with new and innovative products and services and an electric power generation business leading the clean power transition through our Vistra Zero portfolio while powering the communities we serve with safe, reliable and affordable power.

Vistra has six reportable segments: (i) Retail, (ii) Texas, (iii) East, (iv) West, (v) Sunset and (vi) Asset Closure. See Note 19 21 for further information concerning our reportable business segments.

Transaction Agreement

On March 6, 2023, Vistra Operations and Merger Sub entered into a transaction agreement (Transaction Agreement) with Energy Harbor pursuant to which, upon the terms and subject to the conditions thereof, Merger Sub will be merged with and into Energy Harbor, with Energy Harbor surviving as an indirect subsidiary of Vistra (Merger, and collectively with the other transactions contemplated by the Transaction Agreement, the Transactions). The Transaction Agreement, the Merger and the other Transactions were approved by each of Vistra's board of directors (Board) and Energy Harbor's board of directors. On February 16, 2024, we received approval from FERC to acquire Energy Harbor. FERC's approval was the last regulatory approval needed, and we anticipate closing on March 1, 2024. See Note 2 for more information concerning the Transaction Agreement.

Winter Storm Uri

In February 2021, a severe winter storm with extremely cold temperatures affected much of the U.S., including Texas. This severe weather resulted in surging demand for power, natural gas supply shortages, operational challenges for generators, and a significant load shed event that was ordered by ERCOT beginning on February 15, 2021 and continuing through February 18, 2021. Winter Storm Uri had a material adverse impact on our 2021 results of operations and operating cash flows.

Uplift Securitization Proceeds from ERCOT — As part of the 2021 regular Texas legislative sessions and in response to extraordinary costs incurred by electricity market participants during Winter Storm Uri, the Texas legislature passed House Bill (HB) 4492 for ERCOT to obtain financing to distribute to load-serving entities (LSEs) that were uplifted and paid to ERCOT exceptionally high price adders and ancillary service costs during Winter Storm Uri. In October 2021, the PUCT issued a Debt Obligation Order approving \$2.1 billion financing and the methodology for allocation of proceeds to the LSEs. In December 2021, ERCOT finalized the amount of allocations to the LSEs, and we received \$544 million of proceeds from ERCOT in the second quarter of 2022. The Company accounted for the proceeds we received by analogy to the contribution model within Accounting Standards Codification (ASC) 958-605, *Not-for-Profit Entities - Revenue Recognition* and the grant model within International Accounting Standard 20, *Accounting for Government Grants and Disclosure of Government Assistance*, as a reduction to expenses in the statements of operations in the annual period for which the proceeds are intended to compensate. We concluded that the threshold for recognizing a receivable was met in December 2021 as the amounts to be received were determinable and ERCOT was directed by its governing body, the PUCT, to take all actions required to effectuate the \$2.1 billion funding approved in the Debt Obligation Order. The final financial impact of Winter Storm Uri continues to be subject to the outcome of litigation arising from the event (see Note 12), event.

Recent Developments

Dividends Declared — In See Note 8 for information on the 2024 TRA Rights repurchases and tender offer, Note 12 for information on the January 2024 Senior Secured Notes Tender Offer and Note 15 for information on the February 2023, the Board declared a quarterly dividend of \$0.1975 per share 2024 declaration of common and preferred stock that will be paid in March 2023. In February 2023, dividends and the Board declared a semi-annual dividend of \$40.00 per share of Series A Preferred Stock that will be paid in April 2023. additional \$1.5 billion authorization under the Share Repurchase Program.

Significant Accounting Policies

Basis of Presentation

The consolidated financial statements have been prepared in accordance with U.S. GAAP and on the same basis as the audited financial statements included in our 2021 2022 Form 10-K. All intercompany items and transactions have been eliminated in consolidation. All dollar amounts in the financial statements and tables in the notes are stated in millions of U.S. dollars unless otherwise indicated. Certain prior period amounts have been reclassified to conform with the current year presentation.

Use of Estimates

Preparation of financial statements requires estimates and assumptions about future events that affect the reporting of assets and liabilities at as of the balance sheet dates and the reported amounts of revenue and expense, including fair value measurements, estimates of expected obligations, judgments related to the potential timing of events and other estimates. In the event estimates and/or assumptions prove to be different from actual amounts, adjustments are made in subsequent periods to reflect more current information.

Derivative Instruments and Mark-to-Market Accounting

We enter into contracts for the purchase and sale of electricity, natural gas, coal uranium and other commodities utilizing instruments such as options, swaps, futures and forwards primarily to manage commodity price and interest rate risks. If the instrument meets the definition of a derivative under accounting standards related to derivative instruments and hedging activities, changes in the fair value of the derivative are recognized in net income as unrealized gains and losses. This recognition is referred to as mark-to-market accounting. The fair values of our unsettled derivative instruments under mark-to-market accounting are reported in the consolidated balance sheets as commodity and other

derivative contractual assets or liabilities. We report derivative assets and liabilities in the consolidated balance sheets without taking into consideration netting arrangements we have with counterparties. Margin deposits that contractually offset these assets and liabilities are reported separately in the consolidated balance sheets, except for certain margin amounts related to changes in fair value on CME transactions that are legally characterized as settlement of derivative contracts rather than collateral. When derivative instruments are settled and realized gains and losses are recorded, the previously recorded unrealized gains and losses and derivative assets and liabilities are reversed. See Notes 14 16 and 15 17 for additional information regarding fair value measurement and commodity and other derivative contractual assets and liabilities. A commodity-related derivative contract may be designated as a normal purchase or sale if the commodity is to be physically received or delivered for use or sale in the normal course of business. If designated as normal, the derivative contract is accounted for under the accrual method of accounting (not marked-to-market) with no balance sheet or income statement recognition of the contract until settlement.

Because derivative instruments are frequently used as economic hedges, accounting standards related to derivative instruments and hedging activities allow for hedge accounting, which provides for the designation of such instruments as cash flow or fair value hedges if certain conditions are met. As of December 31, 2022 December 31, 2023 and 2021 2022, there were no derivative positions accounted for as cash flow or fair value hedges.

We report commodity hedging and trading results as revenue, fuel expense or purchased power in the consolidated statements of operations depending on the type of activity. Electricity hedges, financial natural gas hedges and trading activities are primarily reported as revenue. Physical or financial hedges for coal diesel or uranium, fuel oil, along with physical natural gas trades, are primarily reported as fuel expense. Realized and unrealized gains and losses associated with interest rate swap transactions are reported in the consolidated statements of operations in interest expense.

Revenue Recognition

Revenue is recognized when electricity is delivered to our customers in an amount that we expect to invoice for volumes delivered or services provided. Sales tax is excluded from revenue. Energy sales and services that have been delivered but not billed by period end are estimated. Accrued unbilled revenues are based on estimates of customer usage since the date of the last meter reading provided by the independent system operators or electric distribution companies. Estimated amounts are adjusted when actual usage is known and billed.

We record wholesale generation revenue when volumes are delivered or services are performed for transactions that are not accounted for on a mark-to-market basis. These revenues primarily consist of physical electricity sales to the ISO/RTO, ancillary service revenue for reliability services, capacity revenue for making installed generation and demand response available for system reliability requirements, and certain other electricity sales contracts. See Note 4 5 for detailed descriptions of revenue from contracts with customers. See *Derivative Instruments and Mark-to-Market Accounting* for revenue recognition related to derivative contracts.

Advertising Expense

We expense advertising costs as incurred and include them within SG&A expenses. Advertising expenses totaled \$47 million, \$48 million and \$43 million for the years ended December 31, 2022, 2021 and 2020, respectively.

Impairment of Long-Lived Assets

We evaluate long-lived assets (including intangible assets with finite lives) for impairment whenever indications of impairment exist. The carrying value of such assets is deemed to be impaired if the projected undiscounted cash flows are less than the carrying value. If there is such impairment, a loss is recognized based on the amount by which the carrying value exceeds the fair value. Fair value is determined primarily by discounted cash flows, supported by available market valuations, if applicable. See Note 20 22 for details of impairments of long-lived assets recorded in 2022, 2021 and 2020. recorded.

Finite-lived intangibles identified as a result of fresh start reporting or purchase accounting are amortized over their estimated useful lives based on the expected realization of economic effects. See Note 5 6 for details of intangible assets with finite lives, including discussion of fair value determinations.

Goodwill and Intangible Assets with Indefinite Lives

As part of fresh start reporting and purchase accounting, reorganization value or the purchase consideration is generally allocated, first, to identifiable tangible assets and liabilities, identifiable intangible assets and liabilities, then any remaining excess reorganization value or purchase consideration is allocated to goodwill. We evaluate goodwill and intangible assets with indefinite lives for impairment at least annually, or when indications of impairment exist. We have established October 1 as the date we evaluate goodwill and intangible assets with indefinite lives for impairment. See Note 5 6 for details of goodwill and intangible assets with indefinite lives, including discussion of fair value determinations.

Nuclear Fuel

Nuclear fuel is capitalized and reported as a component of our property, plant and equipment in our consolidated balance sheets. Amortization of nuclear fuel is calculated on the units-of-production method and is reported as a component of fuel, purchased power costs and delivery fees in our consolidated statements of operations.

Major Maintenance Costs

Major maintenance costs incurred during generation plant outages are deferred and amortized into operating costs over the period between the major maintenance outages for the respective asset. Other routine costs of maintenance activities are charged to expense as incurred and reported as operating costs in our consolidated statements of operations.

Defined Benefit Pension Plans and OPEB Plans

Certain health care and life insurance benefits are offered to eligible employees and their dependents upon the retirement of such employees from the company. Pension benefits are offered to eligible employees under collective bargaining agreements based on either a traditional defined benefit formula or a cash balance formula. Costs of pension and OPEB plans are dependent upon numerous factors, assumptions and estimates.

See Note 16 18 for additional information regarding pension and OPEB plans.

Stock-Based Compensation

Stock-based compensation is accounted for in accordance with ASC 718, *Compensation - Stock Compensation*. The fair value of our non-qualified stock options is estimated on the date of grant using the Black-Scholes option-pricing model. Forfeitures are recognized as they occur. We recognize compensation expense for graded vesting awards on a straight-line basis over the requisite service period for the entire award. Forfeitures are recognized as they occur. See Note 17 19 for additional information regarding stock-based compensation.

Sales and Excise Taxes

Sales and excise taxes are accounted for as "pass through" items on the consolidated balance sheets with no effect on the consolidated statements of operations (i.e., the tax is billed to customers and recorded as trade accounts receivable with an offsetting amount recorded as a liability to the taxing jurisdiction in other current liabilities in our consolidated statements of operations).

Franchise and Revenue-Based Taxes

Unlike sales and excise taxes, franchise and revenue-based taxes are not "pass through" items. These taxes are imposed on us by state and local taxing authorities, based on revenues or kWh delivered, as a cost of doing business and are recorded as an expense. Rates we charge to customers are intended to recover our costs, including the franchise and revenue-based receipt taxes, but we are not acting as an agent to collect the taxes from customers. We report franchise and revenue-based taxes in SG&A expense in our consolidated statements of operations.

Income Taxes

Investment tax credits which are not transferable or refundable under the IRA are accounted for under using the deferral method, which resulted in a reduction to reduces the basis of our solar and battery storage facilities facilities. As of \$54 million, zero both December 31, 2023 and zero and a corresponding increase in the 2022, deferred tax assets in 2022, 2021 and 2020, respectively, related to these credits totaled \$70 million.

Deferred income taxes are provided for temporary differences between the book and tax basis of assets and liabilities as required under accounting rules. See Note 6 7.

We report interest and penalties related to uncertain tax positions as current income tax expense. See Note 6 7.

Tax Receivable Agreement (TRA)

The Company accounts for its obligations under the TRA as a liability in our consolidated balance sheets (see Note 7 8). The carrying value of the TRA obligation represents the discounted amount of projected payments under the TRA. The projected payments are based on certain assumptions, including but not limited to (a) the federal corporate income tax rate, (b) estimates of our taxable income in the current and future years and (c) additional states that Vistra operates in, including the relevant tax rate and apportionment factor for each state. Our taxable income takes into consideration the current federal tax code and reflects our current estimates of future results of the business.

The carrying value of the obligation is being accreted to the amount of the gross expected obligation using the effective interest method. Changes in the estimated amount of this obligation resulting from changes to either the timing or amount of TRA payments are recognized in the period of change and measured using the discount rate inherent in the initial fair value of the obligation. These changes are included on our consolidated statements of operations under the heading of Impacts of Tax Receivable Agreement.

Accounting for Contingencies

Our financial results may be affected by judgments and estimates related to loss contingencies. Accruals for loss contingencies are recorded when management determines that it is probable that a liability has been incurred and that such economic loss can be reasonably estimated. Such determinations are subject to interpretations of current facts and circumstances, forecasts of future events and estimates of the financial impacts of such events. See Note 12 14 for a discussion of contingencies.

Cash and Cash Equivalents

For purposes of reporting cash and cash equivalents, temporary cash investments purchased with a remaining an original maturity of three months or less are considered cash equivalents.

Restricted Cash

The terms of certain agreements require the restriction of cash for specific purposes. See Note 20, 22 for more details regarding restricted cash.

Property, Plant and Equipment

Property, plant and equipment has been recorded at estimated fair values at the time of acquisition for assets acquired or at cost for capital improvements and individual facilities developed (see Note 2, 3). Significant improvements or additions to our property, plant and equipment that extend the life of the respective asset are capitalized at cost, while other costs are expensed when incurred. The cost of self-constructed property additions includes materials and both direct and indirect labor, including payroll-related costs. Interest related to qualifying construction projects and qualifying software projects is capitalized in accordance with accounting guidance related to capitalization of interest cost. See Note 20, 22.

Depreciation of our property, plant and equipment (except for nuclear fuel) is calculated on a straight-line basis over the estimated service lives of the properties. Depreciation expense is calculated on an asset-by-asset basis. Estimated depreciable lives are based on management's estimates of the assets' economic useful lives. See Note 20, 22.

Asset Retirement Obligations (ARO)

A liability is initially recorded at fair value for an asset retirement obligation associated with the legal obligation associated with law, regulatory, contractual or constructive retirement requirements of tangible long-lived assets in the period in which it is incurred if a fair value is reasonably estimable. At initial recognition of an ARO obligation, an offsetting asset is also recorded for the long-lived asset that the liability corresponds with, which is subsequently depreciated over the estimated useful life of the asset. These liabilities primarily relate to our nuclear generation plant decommissioning, land reclamation related to lignite mining and removal of lignite/coal-fueled plant ash treatment facilities. Over time, the liability is accreted for the change in present value and the initial capitalized costs are depreciated over the remaining useful lives of the assets. Generally, changes in estimates related to ARO obligations are recorded as increases or decreases to the liability and related asset as information becomes available. Changes in estimates related to assets that have been retired or for which capitalized costs are not recoverable are recorded as operating costs in the consolidated statements of operations. See Note 20, 22.

Regulatory Asset or Liability

The costs to ultimately decommission the Comanche Peak nuclear power plant are recoverable through the regulatory rate making process as part of Oncor's delivery fees. As a result, the asset retirement obligation and the investments in the decommissioning trust are accounted for as rate regulated operations. Changes in these accounts, including investment income and accretion expense, do not impact net income, but are reported as a change in the corresponding regulatory asset or liability balance that is reflected in our consolidated balance sheets as other noncurrent assets or other noncurrent liabilities and deferred credits.

Inventories

Inventories consist of materials and supplies, fuel stock and natural gas in storage. Materials and supplies inventory is valued at weighted average cost and is expensed or capitalized when used for repairs/maintenance or capital projects, respectively. Fuel stock and natural gas in storage are reported at the lower of cost (calculated on a weighted average basis) or net realizable value. We expect to recover the value of inventory costs in the normal course of business. See Note 20, 22.

Investments

Investments in a nuclear decommissioning trust fund are carried at current market value in the consolidated balance sheets. Assets related to employee benefit plans represent investments held to satisfy deferred compensation liabilities and are recorded at current market value. See Note 20, 22 for discussion of these and other investments.

Noncontrolling Interest

Noncontrolling interest is comprised of the 20% of Electric Energy, Inc. (EEI) that we do not own. EEI is our consolidated subsidiary that owns a coal facility in Joppa, Illinois that was retired September 1, 2022 (see Note 3). This noncontrolling interest is classified as a component of equity separate from stockholders' equity in the consolidated balance sheets.

Treasury Stock

Treasury stock purchases are accounted for under the cost method whereby the entire cost of the acquired stock is recorded as treasury stock, which is presented in our consolidated balance sheets as a reduction to additional paid-in capital. Treasury stock purchases made by third party brokers on our behalf are recorded on a trade date basis when we are contractually obligated to pay the broker for their repurchase costs. See Note 13, 15.

Leases

At the inception of a contract we determine if it is or contains a lease, which involves the contract conveying the right to control the use of explicitly or implicitly identified property, plant, or equipment for a period of time in exchange for consideration.

Right-of-use (ROU) assets represent our right to use an underlying asset for the lease term and lease liabilities represent our obligation to make lease payments arising from the lease. ROU assets and lease liabilities are recognized at the commencement date of the underlying lease based on the present value of lease payments over the lease term. We use our secured incremental borrowing rate based on the information available at the lease commencement date to determine the present value of lease payments. Operating leases are included in operating lease ROU assets, operating lease liabilities (current) and operating lease liabilities (noncurrent) on our consolidated balance sheet. Finance leases are included in property, plant and equipment, other current liabilities and other noncurrent liabilities and deferred credits on our consolidated balance sheet. Lease term includes options to extend or terminate the lease when it is reasonably certain that we will exercise the option. We apply the practical expedient permitted by ASC 842, *Leases* to not separate lease and non-lease components for a majority of our lease asset classes.

Leases with an initial lease term of 12 months or less are not recorded on the balance sheet; we recognize lease expense for these leases on a straight-line basis over the lease term.

We also present lessor sublease income on a net basis against the related lessee lease expense.

Adoption of Accounting Standards Issued Prior to 2022 in 2023

Simplifying the Accounting for Income Taxes Improvements to Reportable Segment Disclosures— In December 2019, November 2023, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update (ASU) 2019-12, ASU No. 2023-07, *Simplifying Segment Reporting (Topic 280), Improvements to Reportable Segment Disclosures*, to improve the Accounting disclosures about reportable segments and add more detailed information about a reportable segment's expenses. The amendments in the ASU require public entities to disclose on an annual and interim basis significant segment expenses that are regularly provided to the chief operating decision maker (CODM) and included within each reported measure of segment profit or loss, other segment items by reportable segment, the title and position of the CODM, and an explanation of how the CODM uses the reported measures of segment profit or loss in assessing segment performance and deciding how to allocate resources. The ASU does not change the definition of a segment, the method for determining segments, the criteria for aggregating operating segments into reportable segments, or the current specifically enumerated segment expenses that are required to be disclosed. The Company will adopt the amendments in this ASU for its fiscal year ended December 31, 2024 and interim periods within its fiscal year ended December 31, 2025. The amendment will be applied retrospectively to all prior periods presented. We are currently evaluating the impact this ASU will have on our consolidated financial statements and related disclosures.

Improvements to Income Tax Disclosures — In December 2023, the FASB issued ASU No. 2023-09 (ASU 2023-09), *Income Taxes (Topic 740)*: *Improvements to Income Tax Disclosures*. The ASU enhances to enhance the transparency and simplifies various aspects decision usefulness of the income tax accounting guidance including disclosures. ASU 2023-09 is effective for annual periods beginning after December 15, 2024 on a prospective basis. Early adoption is permitted. As the elimination of certain exceptions related amendments apply to income tax disclosures only, the approach for intraperiod tax allocation, the methodology for calculating income taxes in an interim period and the recognition of deferred tax liabilities for outside basis differences. The new guidance also simplifies aspects of the accounting for franchise taxes and enacted changes in tax laws or rates and clarifies the accounting for transactions that result in a step-up in the tax basis of goodwill. We adopted all provisions of this ASU in the first quarter of 2020, and it did Company does not expect adoption to have a material impact on our consolidated financial statements.

Changes Adoption of Accounting Standards Issued Prior to the Disclosure Requirements for Fair Value Measurement — In August 2018, the FASB issued ASU 2018-13, *Changes to the Disclosure Requirements for Fair Value Measurement*. The ASU removes disclosure requirements for (a) the reasons for transfers between Level 1 and Level 2, (b) the policy for timing of transfers between levels and (c) the valuation processes for Level 3. The ASU requires new disclosures around (a) the changes in unrealized gains and losses for the period included in other comprehensive income for recurring Level 3 fair value measurements held at the end of the reporting period and (b) the range and weighted average of significant unobservable inputs used to develop Level 3 fair value measurements. We adopted this ASU in the first quarter of 2020, and the updated disclosures are included in Note 14.2023

Customer's Accounting for Implementation Costs Incurred in a Cloud Computing Arrangement That Is a Service Contract — In August 2018, the FASB issued ASU 2018-15, *Customer's Accounting for Implementation Costs Incurred in a Cloud Computing Arrangement That Is a Service Contract*. The ASU requires a customer in a cloud hosting arrangement that is a service contract to determine which implementation costs to capitalize and which costs to expense based on the project stage of the implementation. The ASU also requires the customer to expense the capitalized implementation costs over the term of the hosting arrangement. The customer is required to apply the existing impairment and abandonment guidance on the capitalized implementation costs. We adopted this ASU in the first quarter of 2020, and it did not have a material impact on our financial statements.

Financial Instruments — Credit Losses — In June 2016, the FASB issued ASU 2016-13, *Financial Instruments — Credit Losses*. The ASU requires organizations to measure all expected credit losses for financial instruments held at the reporting date based on historical experience, current conditions and reasonable and supportable forecasts. We adopted this ASU in the first quarter of 2020, and it did not have a material impact on our financial statements.

Facilitation of the Effects of Reference Rate Reform on Financial Reporting

In March 2020, the FASB issued ASU 2020-04, *Reference Rate Reform (Topic 848): Facilitation of the Effects of Reference Rate Reform on Financial Reporting*. The ASU provides optional expedients and exceptions for applying GAAP to contract modifications and hedging relationships, subject to meeting certain criteria, that reference LIBOR or another rate that is expected to be discontinued. The amendments in the ASU were effective for all entities as of March 12, 2020 through December 31, 2022.

In December 2022, the FASB issued ASU 2022-06, *Reference Rate Reform (Topic 848): Deferral of the Sunset Date of Topic 848*, which deferred the sunset date of Topic 848 from December 31, 2022 to December 31, 2024. The expedients and exceptions may be elected over time as reference rate reform activities occur through the sunset date. We have applied the optional expedients to amendments to financial instruments that now reference the Secured Overnight Financing Rate (SOFR). Additionally, we have identified the financial instruments to which the expedients could be applied, if deemed necessary, as amendments to these financial instruments are made through the sunset date.

Disclosures by Business Entities about Government Assistance

In November 2021, the Financial Accounting Standards Board issued ASU 2021-10, *Government Assistance (Topic 832) Disclosures by Business Entities about Government Assistance*. This standard requires additional annual disclosures when a business receives government assistance and uses a grant or contribution accounting model by analogy to other accounting guidance such as the grant model under International Accounting Standards 20, *Accounting for Government Grants and Disclosures of Government Assistance* (IAS 20) and GAAP ASC 958-605, *Not-for-Profit Entities - Revenue Recognition*. The standard was effective January 1, 2022 with early adoption permitted. As further discussed in Note 1, we made disclosures in accordance with this guidance when accounting for the *Uplift Securitization Proceeds from ERCOT*.

Due to the enactment of the IRA, the Company qualifies for tax incentives through eligible construction spending and production. These tax incentives generally provide for refundable or transferable tax credits upon the applicable qualifying event for the credit type, typically production or in-service date. Transferable and refundable PTCs are included in other noncurrent assets in the consolidated balance sheet and included in revenues in the consolidated statements of operations when receipt of the credit is reasonably assured. Transferable investment tax credits (ITCs) are included in other noncurrent assets on the consolidated balance sheet with a corresponding reduction to the cost basis of the Company's plant assets when receipt of the credit is reasonably assured, and reduces depreciation expense over the life of the asset. We believe the reasonable assurance term as used in IAS 20 is analogous to the term probable as defined in ASC 450-20 of U.S. GAAP. The Company accounts for the credits we expect to receive by analogy to the grant model within IAS 20, as U.S. GAAP does not address how to account for these tax credits.

2. TRANSACTION AGREEMENT

On March 6, 2023, Vistra Operations and Merger Sub entered into the Transaction Agreement with Energy Harbor pursuant to which, upon the terms and subject to the conditions thereof, Merger Sub will be merged with and into Energy Harbor, with Energy Harbor surviving as an indirect subsidiary of Vistra. The Transaction Agreement, the Merger and the other Transactions were approved by each of Vistra's Board and Energy Harbor's board of directors.

Subject to the terms and conditions of the Transaction Agreement, prior to the consummation of the Merger, Vistra will cause certain of its affiliates to transfer certain of its affiliate entities, including Merger Sub, to an indirect wholly owned subsidiary of Vistra (Vistra Vision).

Subject to the terms and conditions of the Transaction Agreement, at the effective time of the Merger (Effective Time), the issued and outstanding shares of Energy Harbor common stock other than shares that are being exchanged by certain funds and accounts managed by Nuveen Asset Management LLC and certain funds managed by Avenue Capital Management II, L.P. (Rollover Holders) for 15% of the direct or indirect equity interests in Vistra Vision, and certain other shares, each as specified in the Transaction Agreement and the Contribution and Exchange Agreements (as defined below) will be cancelled and extinguished and automatically converted into the right to receive cash consideration per share payable in the Merger. Vistra's transfer of cash and equity in Vistra Vision in exchange for the issued and outstanding shares of Energy Harbor common stock will be covered under the non-recognition provisions of the Internal Revenue Code. The Aggregate Base Transaction Value is defined in the Transaction Agreement to be (a) the Aggregate Cash Consideration Value (defined in the Transaction Agreement to be \$3.0 billion), plus (b) for the 15% equity in Vistra Vision, the Aggregate Equity Consideration Value (defined in the Transaction Agreement to be \$3.333 billion for the purpose of determining the amount per share to be distributed to Energy Harbor's stockholders), minus (c) certain adjustments as specified in the Transaction Agreement. In addition, in connection with the Merger, Energy Harbor's equity awards will be cancelled for cash based on the per share Merger consideration for the shares underlying such equity awards and Energy Harbor's stockholders (including Rollover Holders and holders of Energy Harbor equity awards) will receive an additional amount of cash paid from Energy Harbor to the extent of Energy Harbor's unrestricted cash on hand as of the closing, subject to certain adjustments as specified in the Transaction Agreement. In addition, Vistra Operations will pay up to \$100 million of Energy Harbor's transaction expenses.

On February 16, 2024, we received approval from FERC to acquire Energy Harbor, which was the last regulatory approval needed to close the acquisition. Consummation of the Transactions is subject to customary closing conditions, and we anticipate closing on March 1, 2024.

Vistra Vision will combine Energy Harbor's nuclear and retail businesses with Vistra's nuclear and retail businesses and certain of the Vistra Zero renewables and energy storage projects. This combination is expected to create a leading integrated retail electricity and zero-carbon generation company with the second-largest competitive nuclear fleet in the U.S., along with a growing renewables and energy storage portfolio. This transaction is expected to accelerate Vistra's path to a clean energy transition by more than doubling the amount of zero-carbon generation it has online at the time of the Transactions' closing.

Financing Arrangements

In connection with the Transactions, in March 2023, Vistra Operations entered into a debt commitment letter (Commitment Letter) and related fee letters with various lenders (Commitment Parties), pursuant to which, and subject to the terms and conditions set forth therein, the Commitment Parties committed to provide (a) up to approximately \$3.0 billion

in an aggregate principal amount of senior secured bridge loans under a 364-day senior secured bridge loan credit facility (Acquisition Bridge Facility), (b) in the event Vistra Operations did not obtain certain required consents and amendments from the lenders under the Vistra Operations Credit Agreement, a 364-day senior secured term loan B bridge facility in an aggregate principal amount of up to approximately \$2.5 billion (TLB Refinancing Bridge Facility) and (c) in the event Vistra Operations did not obtain certain required consents and amendments from the lenders under the Vistra Operations Commodity-Linked Credit Agreement, a replacement commodity-linked revolving credit facility in an aggregate principal amount up to \$300 million (Refinancing Commodity-Linked Revolving Credit Facility). Vistra Operations subsequently obtained commitments from the lenders under the Vistra Operations Credit Agreement and Vistra Operations Commodity-Linked Credit Agreement to provide the required consents and amendments which resulted in the termination of the commitments for each of the TLB Refinancing Bridge Facility and the Refinancing Commodity-Linked Revolving Credit Facility. In September 2023, the Acquisition Bridge Facility was terminated as a result of the issuance of \$1.75 billion of a combination of senior secured and senior unsecured notes by Vistra Operations in September 2023 that are expected to be used, together with cash on hand, to fund the Transactions. Fees related to the Commitment Letter totaled \$21 million in the year ended December 31, 2023 which were classified as interest expense and related charges in the consolidated statement of operations.

3. DEVELOPMENT OF GENERATION FACILITIES

Texas Segment Solar Generation and Energy Storage Projects

In September 2020, we connection with our previously announced the planned renewable development of up to 768 MW of solar photovoltaic power generation facilities and 260 MW of battery ESS in Texas. Of this planned development plans in Texas, 158 MW of solar generation came online in January and February 2022 and the 260 MW of battery ESS came online in April 2022. Estimated commercial operation dates for the remaining facilities to be developed are expected to be 2024 2025 and beyond, but we will only invest in growth projects if we are confident in that the expected returns, returns will meet or exceed internal targets. As of December 31, 2022 December 31, 2023, we had accumulated approximately \$44 million \$200 million in construction-work-in-process for these remaining Texas segment solar generation projects.

East Segment Solar Generation and Energy Storage Projects

In September 2021, we announced the planned development of up to 300 MW of solar photovoltaic power generation facilities and up to 150 MW of battery ESS at retired or to-be-retired plant sites in Illinois, based on the passage of Illinois Senate Bill 2408, the Energy Transition Act. Estimated commercial operation dates for these facilities range from 2024 to 2025, 2026. As of December 31, 2022 December 31, 2023, we had accumulated approximately \$14 million \$66 million in construction-work-in-process for these East segment solar generation and battery ESS projects.

West Segment Energy Storage Projects

Oakland — In June 2019, East Bay Community Energy (EBCE) signed a 10-year contract to receive resource adequacy capacity from the planned development of a 20 MW battery ESS at our Oakland Power Plant site in California. In April 2020, the project received necessary approvals from EBCE and from Pacific Gas and Electric Company (PG&E). The contract was amended to increase the capacity of the planned development to a 36.25 MW battery ESS. In April 2020, the concurrent Local Area Reliability Service (LARS) agreement to ensure grid reliability as part of the Oakland Clean Energy Initiative was signed, but required California Public Utilities Commission (CPUC) approval. PG&E did not receive CPUC approval as of April 15, 2021. On April 16, 2021, Vistra terminated the LARS agreement with PG&E. We are continuing development of the Oakland battery ESS project while seeking another contractual arrangement that will allow the investment to move forward. **Moss Landing**

Moss Landing—In June 2018, we announced that, subject to approval by the CPUC, we would enter into a 20-year resource adequacy contract with PG&E to develop a 300 MW battery ESS at our Moss Landing Power Plant site in California (Moss Landing Phase I). The CPUC approved the resource adequacy contract in November 2018. Under the contract, PG&E will pay us a fixed monthly resource adequacy payment, while we will receive the energy revenues and incur the costs from dispatching and charging the battery ESS. Moss Landing Phase I commenced commercial operations in May 2021.

In May 2020, we announced that, subject to approval by the CPUC, we would enter into a 10-year resource adequacy contract with PG&E to develop an additional 100 MW battery ESS at our Moss Landing Power Plant site (Moss Landing Phase II). The CPUC approved the resource adequacy contract in August 2020. Moss Landing Phase II commenced commercial operations in July 2021.

The total development costs for Moss Landing Phases I and II totaled approximately \$600 million.

In January 2022, we announced that, subject to approval by the CPUC, we would enter into a 15-year resource adequacy and energy settlement contract with PG&E to develop an additional 350 MW battery ESS at our Moss Landing Power Plant site (Moss Landing Phase III). The CPUC approved the resource adequacy and energy settlement contract in April 2022. Moss Landing Phase III is expected to enter commenced commercial operations in the summer of June 2023. As a result of December 31, 2022, reaching commercial operations, we had accumulated approximately \$288 million recognized \$154 million of transferable ITCs associated with the project within other noncurrent assets in construction-work-in-process for Moss Landing Phase III. the consolidated balance sheet.

Moss Landing Outages—

In September 2021, Moss Landing Phase I experienced an incident impacting a portion of the battery ESS. A review found the root cause originated in systems separate from the battery system. The facility was offline as we performed the work necessary to return the facility to service. Restoration work on the facility was completed in June 2022. Moss Landing Phases II and III were not affected by this incident.

In February 2022, Moss Landing Phase II experienced an incident impacting a portion of the battery ESS. A review found the root cause originated in systems separate from the battery system. The facility was offline as we performed the work necessary to return the facility to service. Restoration work on the facility was completed in September 2022. Moss Landing Phases I and III were not affected by this incident.

These incidents did not have a material impact on our results of operations.

3.4. RETIREMENT OF GENERATION FACILITIES

Operational results for plants with defined retirement dates are included in our Sunset segment beginning in the quarter when a retirement plan is announced and move to the Asset Closure segment at the beginning of the calendar year the retirement is expected to occur. Retirement date represents the first full day in which a plant does not operate.

Name Facility	Location	ISO/RTO	Fuel Type	Net Generation Capacity		Actual or Expected Retirement Date (a)(b)	Segment
				(MW)			
Baldwin	Baldwin, IL	MISO	Coal	1,185		By the end of 2025	Sunset
Coletto Creek	Goliad, TX	ERCOT	Coal	650		By the end of 2027	Sunset
Kincaid	Kincaid, IL	PJM	Coal	1,108		By the end of 2027	Sunset
Miami Fort	North Bend, OH	PJM	Coal	1,020		By the end of 2027	Sunset
Newton	Newton, IL	MISO/PJM	Coal	615		By the end of 2027	Sunset
Edwards	Bartonville, IL	MISO	Coal	585		Retired January 1, 2023	Sunset
Joppa	Joppa, IL	MISO	Coal	802		Retired September 1, 2022	Asset Closure
Joppa	Joppa, IL	MISO	Natural Gas Coal	221 802		Retired September 1, 2022	Asset Closure
						By the end of 2027 Retired September 1, 2022	
Kincaid Joppa	Kincaid, Joppa, IL	PJM MISO	Coal Natural Gas	1,108 221		1, 2022	Sunset
Miami Fort	North Bend, OH	PJM	Coal	1,020		By the end of 2027	Sunset
Newton	Newton, IL	MISO/PJM	Coal	615		By the end of 2027	Sunset Asset Closure
Zimmer	Moscow, OH	PJM	Coal	1,300		Retired June 1, 2022	Asset Closure
Total				7,486			

(a) Generation facilities may retire earlier than the end of 2027 expected dates disclosed if economic or other conditions dictate.

(b) Retirement dates represent the first full day in which a plant does not operate.

In 2020, we announced our intention to retire all of our remaining coal generation facilities in Illinois and Ohio, one coal generation facility in Texas and one natural gas facility in Illinois no later than year-end 2027 due to economic challenges, including incremental expenditures that would be required to comply with the CCR rule and ELG rule (see Note 12) 14), and in furtherance of our efforts to significantly reduce our carbon footprint. Expected plant retirement expenses of \$31 million and \$12 million, respectively, driven by severance cost, were accrued in the year ended December 31, 2020 in operating costs of our Sunset and Asset Closure segments, respectively. As previously announced in April 2021, we retired the Joppa generation facilities in September 2022 in order to settle a complaint filed with the Illinois Pollution Control Board (IPCB) by the Sierra Club in 2018. As previously announced in July 2021, we retired the Zimmer coal generation facility in June 2022 due to the inability to secure capacity revenues for the plant in the PJM capacity auction held in May 2021.

See Note 20 22 for discussion of impairments recorded in connection with these determinations.

4.5. REVENUE

Revenue Disaggregation

The following tables disaggregate our revenue by major source:

The following table displays our results by major segment:									
Year Ended December 31, 2022									
Asset									
Retail	Texas	East	West	Sunset	Closure	Eliminations	Consolidated		
Year Ended December 31, 2023								Year Ended December 31, 2023	
Asset									
Retail	Texas	East	West	Sunset	Closure	Eliminations	Consolidated		

(a) Represents net capacity sold (purchased) in each ISO/RTO. The East segment includes \$157 million of capacity sold offset by \$100 million of capacity purchased. The Sunset segment includes \$76 million of capacity sold offset by \$35 million of capacity purchased.

(b) Includes \$714 million of unrealized net gains from mark-to-market valuations of commodity positions.

(1) Amounts attributable to generation segments offset in fuel, purchased power costs and delivery fees in the Retail segment, with no impact to consolidated results.

	Year Ended December 31, 2022								
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations	Consolidated	
Revenue from contracts with customers:									
Retail energy charge in ERCOT	\$ 6,971	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —	\$ 6,971	
Retail energy charge in Northeast/Midwest	2,139	—	—	—	—	—	—	2,139	
Wholesale generation revenue from ISO/RTO	—	1,105	1,209	467	950	562	—	4,293	

Capacity revenue from ISO/RTO (a)	—	—	20	—	56	27	—	103
Revenue from other wholesale contracts	—	696	1,106	151	150	22	—	2,125
Total revenue from contracts with customers	9,110	1,801	2,335	618	1,156	611	—	15,631
Other revenues:								
Intangible amortization	—	—	1	—	(7)	—	—	(6)
Hedging and other revenues (b)	345	(640)	(316)	(291)	(765)	(231)	1	(1,897)
Affiliate sales (c)	—	2,572	1,686	9	484	4	(4,755)	—
Total other revenues	345	1,932	1,371	(282)	(288)	(227)	(4,754)	(1,903)
Total revenues	\$ 9,455	\$ 3,733	\$ 3,706	\$ 336	\$ 868	\$ 384	\$ (4,754)	\$ 13,728

- (a) Represents net capacity sold (purchased) in each ISO/RTO. The East segment includes \$302 million of capacity sold offset by \$282 million of capacity purchased. The Sunset segment includes \$66 million \$59 million of capacity sold offset by \$3 million of capacity purchased. The Asset Closure segment includes \$20 million \$27 million of capacity sold.
- (b) Includes \$2.163 billion \$2.163 billion of unrealized net losses from mark-to-market valuations of commodity positions, including positions.

For the year ended	Retail	Texas	East	West	Sunset	Asset Closure	Corporate and Other	Eliminations (1)	Consolidated
December 31, 2022	(532)	(1,472)	(757)	(324)	(3)	106	—	819	(2,163)

(1) Amounts attributable to generation segments offset in fuel, purchased power costs and delivery fees in the Retail segment, unrealized net losses of \$544 million due with no impact to the discontinuance of NPNS accounting on retail electric contract portfolios in the second quarter of 2022 and the third quarter of 2021 where physical settlement is no longer considered probable throughout the contract term. See Note 19 for unrealized net gains (losses) by segment, consolidated results.

- (c) Texas and East segments include \$817 million and \$38 million, respectively, of affiliated unrealized net losses, and Sunset and Asset Closure segment includes \$34 million \$30 million and \$4 million, respectively, of affiliated unrealized net gains from mark-to-market valuations of commodity positions with the Retail segment.

		Year Ended December 31, 2021							
		Asset							
		Retail	Texas	East	West	Sunset	Closure	Eliminations	Consolidated
		Year Ended December 31, 2021							
		Asset							
		Retail	Texas	East	West	Sunset	Closure	Eliminations	Consolidated
Revenue from contracts with customers:	Revenue from contracts with customers:								
Retail energy charge in ERCOT	Retail energy charge in ERCOT								
Retail energy charge in ERCOT	Retail energy charge in ERCOT	\$5,733	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —	\$ 5,733
Retail energy charge in Northeast/Midwest	Retail energy charge in Northeast/Midwest	2,255	—	—	—	—	—	—	2,255
Wholesale generation revenue from ISO/RTO	Wholesale generation revenue from ISO/RTO	—	3,808	786	229	1,158	367	—	6,348
Capacity revenue from ISO/RTO (a)	Capacity revenue from ISO/RTO (a)	—	—	(22)	1	138	46	—	163
Revenue from other wholesale contracts	Revenue from other wholesale contracts	—	2,302	602	104	192	1	—	3,201
Total revenue from contracts with customers	Total revenue from contracts with customers	7,988	6,110	1,366	334	1,488	414	—	17,700

Other revenues:	Other revenues:								
Intangible amortization	Intangible amortization	(2)	—	74	—	(12)	—	—	60
Intangible amortization									
Intangible amortization									
Hedging and other revenues (b)	Hedging and other revenues (b)	(115)	(4,355)	123	35	(1,043)	(328)	—	(5,683)
Affiliate sales (c)	Affiliate sales (c)	—	1,035	1,024	5	220	—	(2,284)	—
Total other revenues	Total other revenues	(117)	(3,320)	1,221	40	(835)	(328)	(2,284)	(5,623)
Total revenues	Total revenues	\$7,871	\$2,790	\$2,587	\$374	\$ 653	\$ 86	\$ (2,284)	\$ 12,077

- (a) Represents net capacity sold (purchased) in each ISO/RTO. The East segment includes \$470 million of capacity purchased offset by \$448 million of capacity sold. The West segment includes \$1 million of capacity sold. The Sunset segment includes \$142 million \$126 million of capacity sold offset by \$4 million of capacity purchased. The Asset Closure segment includes \$46 million \$62 million of capacity sold.
- (b) Includes \$1.191 billion \$1.191 billion of unrealized net losses from mark-to-market valuations of commodity positions, including positions.

For the year ended	Retail	Texas	East	West	Sunset	Asset Closure	Corporate and Other	Eliminations (1)	Consolidated
December 31, 2021	(325)	(1,272)	(637)	(42)	(394)	(240)	—	1,719	(1,191)

(1) Amounts attributable to generation segments offset in fuel, purchased power costs and delivery fees in the Retail segment, unrealized net losses of \$298 million due with no impact to the discontinuance of NPNS accounting on a retail electric contract portfolio in the third quarter of 2021 where physical settlement is no longer considered probable throughout the contract term. See Note 19 for unrealized net gains (losses) by segment, consolidated results.

- (c) Texas, East, Sunset and Sunset Asset Closure segments include \$1.028 billion, \$529 million, \$144 million and \$162 million, \$18 million respectively, of affiliated unrealized net losses from mark-to-market valuations of commodity positions with the Retail segment.

	Year Ended December 31, 2020								
	Retail	Texas	East	West	Sunset	Asset Closure	Eliminations	Consolidated	
Revenue from contracts with customers:									
Retail energy charge in ERCOT	\$ 5,813	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —	\$ 5,813	
Retail energy charge in Northeast/Midwest	2,406	—	—	—	—	—	—	2,406	
Wholesale generation revenue from ISO/RTO	—	475	310	124	264	210	—	1,383	
Capacity revenue from ISO/RTO (a)	—	—	(52)	—	125	39	—	112	
Revenue from other wholesale contracts	—	226	668	54	187	1	—	1,136	
Total revenue from contracts with customers	8,219	701	926	178	576	250	—	10,850	
Other revenues:									
Intangible amortization	(5)	—	2	—	(21)	—	—	(24)	
Hedging and other revenues (b)	56	416	(108)	101	83	69	—	617	
Affiliate sales	—	2,999	1,595	3	298	—	(4,895)	—	
Total other revenues	51	3,415	1,489	104	360	69	(4,895)	593	
Total revenues	\$ 8,270	\$ 4,116	\$ 2,415	\$ 282	\$ 936	\$ 319	\$ (4,895)	\$ 11,443	

- (a) Represents net capacity sold (purchased) in each ISO/RTO. The East segment includes \$542 million of capacity purchased offset by \$490 million of capacity sold. The Sunset segment includes \$128 million of capacity sold offset by \$3 million of capacity purchased. The Asset Closure segment includes \$39 million of capacity sold.
- (b) Includes \$164 million of unrealized net gains from mark-to-market valuations of commodity positions. See Note 19 for unrealized net gains (losses) by segment.

Retail Energy Charges

Revenue is recognized when electricity is delivered to our customers in an amount that we expect to invoice for volumes delivered or services provided. Sales tax is excluded from revenue. Payment terms vary from 15 to 60 days from invoice date. Revenue is recognized over-time using the output method based on kilowatt hours delivered. Energy charges are delivered as a series of distinct services and are accounted for as a single performance obligation.

Energy sales and services that have been delivered but not billed by period end are estimated. Accrued unbilled revenues are based on estimates of customer usage since the date of the last meter reading provided by the independent system operators or electric distribution companies. Estimated amounts are adjusted when actual usage is known and billed.

As contracts for retail electricity can be for multi-year periods, the Company has performance obligations under these contracts that have not yet been satisfied. These performance obligations have transaction prices that are both fixed and variable, and that vary based on the contract duration and customer type. For the fixed price contracts, the amount of any unsatisfied performance obligations will vary based on customer usage, which will depend on factors such as weather and customer activity and therefore it is not practicable to estimate such amounts.

Wholesale Generation Revenue from ISOs/RTOs

Revenue is recognized when volumes are delivered to the ISO/RTO. Revenue is recognized over time using the output method based on kilowatt hours delivered and cash is settled within 10 days of invoicing. Vistra operates as a market participant within ERCOT, PJM, ISO-NE, NYISO, MISO and CAISO and expects to continue to remain under contract with each ISO/RTO indefinitely. Wholesale generation revenues are delivered as a series of distinct services and are accounted for as a single performance obligation. When electricity is sold to and purchased from the same ISO/RTO in the same period, the excess of the amount sold over the amount purchased is reflected in wholesale generation revenues.

Capacity Revenue From ISO/RTO

We offer generation capacity into competitive ISO/RTO auctions in exchange for revenue from awarded capacity offers. Capacity ensures installed generation and demand response is available to satisfy system integrity and reliability requirements. Capacity revenues are recognized when the performance obligation is satisfied ratably over time as our power generation facilities stand ready to deliver power to the customer. Penalties are assessed by the ISO/RTO against generation facilities if the facility is not available during the capacity period. The penalties are recorded as a reduction to revenue. When capacity is sold to and purchased from the same ISO/RTO in the same period, the excess of the amount sold over the amount purchased is reflected in capacity revenue.

Revenue from Other Wholesale Contracts

Other wholesale contracts include other revenue activity with the ISO/RTO, such as ancillary services, auction revenue, neutrality revenue and revenue from nonaffiliated retail electric providers, municipalities or other wholesale counterparties. Revenue is recognized when the service is performed. Revenue is recognized over time using the output method based on kilowatt hours delivered or other applicable measurements, and cash settles shortly after invoicing. Vistra operates as a market participant within ERCOT, PJM, ISO-NE, NYISO, MISO and CAISO and expects to continue to remain under contract with each ISO/RTO indefinitely. Other wholesale contracts are delivered as a series of distinct services and are accounted for as a single performance obligation.

Other Revenues

Other revenues, as included in the tables of disaggregated revenue above, represent amounts not accounted for under ASC 606, *Revenue from Contracts with Customers* and are comprised of intangible amortization, hedging and other revenues and affiliate sales.

- Intangible amortization represents amortization of acquired intangible liabilities related to retail and wholesale contracts (see Note 6).
- Some of our contracts for the sale of electricity meet the definition of a derivative under the accounting standards related to derivative instruments. Revenue from derivative contracts accounted for under ASC 815, *Derivatives and Hedging* is not considered revenue from contracts with customers under the accounting standards related to revenue. Our revenue from the sale of electricity under derivative contracts, including the impact of unrealized gains or losses on those contracts, is reported in the table above as hedging and other revenues. We have classified all sales
- Sales to affiliates that are presented by segment and eliminated in consolidation as other revenues in the table above. consolidation.

Contract and Other Customer Acquisition Costs

We defer costs to acquire retail contracts and amortize these costs over the expected life of the contract. The expected life of a retail contract is calculated using historical attrition rates, which we believe to be an accurate indicator of future attrition rates. The deferred acquisition and contract cost balance as of December 31, 2022 December 31, 2023 and 2021 2022 was \$89 million \$97 million and \$80 million \$89 million, respectively. The amortization related to these costs during the years ended December 31, 2022 December 31, 2023, 2022 and 2021 totaled \$88 million, \$83 million and 2020 totaled \$83 million, \$75 million and \$46 million respectively, recorded as SG&A expenses, and \$6 million, \$6 million and \$7 million \$6 million, respectively, recorded as a reduction to operating revenues in the consolidated statements of operations.

Practical Expedients

The vast majority of revenues are recognized under the right to invoice practical expedient, which allows us to recognize revenue in the same amount that we have a right to invoice our customers. Unbilled revenues are recorded based on the volumes delivered and services provided to the customers at the end of the period, using the right to invoice practical expedient. We have elected to not disclose the value of unsatisfied performance obligations for contracts with variable consideration for which we recognize revenue using the right to invoice practical expedient. We use the portfolio approach in evaluating similar customer contracts with similar performance obligations. Sales taxes are not included in revenue.

Performance Obligations

As of December 31, 2022 December 31, 2023, we have future performance obligations that are unsatisfied, or partially unsatisfied, relating to capacity auction volumes awarded through capacity auctions held by the ISO/RTO or contracts with customers. Therefore, an obligation exists as of the date of the results of the respective ISO/RTO capacity auction or the contract execution date. These obligations total \$480 million, \$316 million \$417 million, \$224 million \$282 million, \$111 million \$100 million and \$63 million \$62 million that will be recognized in the years ending December 31, 2023 December 31, 2024, 2024, 2025, 2026, 2027 and 2027, 2028, respectively, and \$672 million \$610 million thereafter. Capacity revenues are recognized as capacity is made available to the related ISOs/RTOs or counterparties.

Accounts Receivable

The following table presents trade accounts receivable (net of allowance for uncollectible accounts) relating to both contracts ASC 606, Revenue from Contracts with customers Customers and other activities:

		December 31,	
		2022	2021
		December 31,	
		2023	2022
Trade accounts receivable from contracts with customers — net	Trade accounts receivable from contracts with customers — net	\$1,644	\$1,087
Other trade accounts receivable — net	Other trade accounts receivable — net	415	310
Total trade accounts receivable — net	Total trade accounts receivable — net	\$2,059	\$1,397

5.6. GOODWILL AND IDENTIFIABLE INTANGIBLE ASSETS AND LIABILITIES

Goodwill

The following table provides information regarding our goodwill balance.

Balance at December 31, 2019	\$	2,553
Measurement period adjustments recorded in 2020 in connection with the Crius Transaction		(14)
Measurement period adjustments recorded in 2020 in connection with the Ambit Transaction		44
Balance at December 31, 2022, 2021 and 2020	\$	2,583

As of December 31, 2022, both December 31, 2023 and 2022, the carrying value of goodwill totaled \$2.583 billion and consisted as there were no additions or impairments in the years then ended. The carrying value of goodwill as of each date consists of the following:

Reportable Segment	Reporting Unit	Carrying Value of Goodwill
Texas	Texas Generation	\$ 122
Retail (a)	Retail	2,461
Total		\$ 2,583

- (a) \$1.907 billion arose in connection with our application of fresh start reporting at Emergence and was allocated entirely to our Retail reporting unit. Of the goodwill recorded at Emergence, \$1.686 billion is deductible for tax purposes over 15 years on a straight-line basis.
 - \$175 million arose in connection with the Merger, of which \$122 million was allocated to our Texas Generation reporting unit and \$53 million was allocated to our Retail reporting unit. None of the goodwill related to the Merger is deductible for tax purposes.
 - \$243 million of goodwill arose in connection with the Crius Transaction and was allocated entirely to our Retail reporting unit. None of the goodwill related to the Crius Transaction is deductible for tax purposes.
 - \$258 million of goodwill arose in connection with the Ambit Transaction and was allocated entirely to our Retail reporting unit. The goodwill related to the Ambit Transaction is deductible for tax purposes over 15 years on a straight-line basis.

Goodwill is required to be evaluated for impairment at least annually or whenever events or changes in circumstances indicate an impairment may exist. We have selected October 1 as our annual goodwill test date. On the most recent goodwill testing date, we applied qualitative factors and determined that it was more likely than not that the fair value of our Retail and Texas Generation reporting units exceeded their carrying value at **October 1, 2022** **October 1, 2023**. Significant qualitative factors evaluated included reporting unit financial performance and market multiples, general macroeconomic, industry, and market conditions, cost factors, customer attrition, interest rates and changes in reporting unit book value.

Identifiable Intangible Assets and Liabilities

Identifiable intangible assets are comprised of the following:

		December 31, 2022			December 31, 2021					December 31, 2023			December 31, 2022				
Identifiable Intangible Asset	Identifiable Intangible Asset	December 31, 2023			December 31, 2022			Identifiable Intangible Asset	Identifiable Intangible Asset	December 31, 2023			December 31, 2022			Identifiable Intangible Asset	Identifiable Intangible Asset
		Gross Carrying Amount	Accumulated Amortization	Net	Gross Carrying Amount	Accumulated Amortization	Net			Gross Carrying Amount	Accumulated Amortization	Net	Gross Carrying Amount	Accumulated Amortization	Net		
Retail customer relationship	Retail customer relationship	\$2,088	\$ 1,768	\$ 320	\$2,083	\$ 1,631	\$ 452										
Software and other technology-related assets	Software and other technology-related assets	475	258	217	421	206	215										
Retail and wholesale contracts	Retail and wholesale contracts	233	209	24	248	206	42										
Contractual service agreements (a)	Contractual service agreements (a)	18	4	14	23	2	21										
Other identifiable intangible assets (b)	Other identifiable intangible assets (b)	50	8	42	95	20	75										
LTSA	LTSA																
Other identifiable intangible assets (a)	Other identifiable intangible assets (a)																
Total identifiable intangible assets subject to amortization	Total identifiable intangible assets subject to amortization	\$2,864	\$ 2,247	617	\$2,870	\$ 2,065	805										
Retail trade names (not subject to amortization) (c)	Retail trade names (not subject to amortization) (c)			1,341			1,341										

Retail trade names (not subject to amortization)			
Total identifiable intangible assets	Total identifiable intangible assets	\$1,958	\$2,146
Total identifiable intangible assets			
Total identifiable intangible assets			

- (a) As of December 31, 2022 and 2021, amounts related to contractual service agreements that have become liabilities due to amortization of the economic impacts of the intangibles have been removed from both the gross carrying amount and accumulated amortization.
- (b) Includes mining development costs and environmental allowances (emissions allowances and renewable energy certificates).
- (c) During the year ended December 31, 2021, we recorded a \$33 million impairment to a retail trade name intangible asset.

Identifiable intangible liabilities are comprised of the following:

		Year Ended December 31,					
		Year Ended December 31,				Year Ended December 31,	
Identifiable Intangible Liability	Identifiable Intangible Liability	2022	2021	Identifiable Intangible Liability	2023	2022	
Contractual service agreements		\$ 128	\$125				
Purchase and sale of power and capacity		3	8				
LTSA							
Fuel and transportation purchase contracts	Fuel and transportation purchase contracts	9	14				
Other identifiable intangible liabilities							
Total identifiable intangible liabilities	Total identifiable intangible liabilities	\$ 140	\$147				

Expense related to finite-lived identifiable intangible assets and liabilities (including the classification in the consolidated statements of operations) consisted of:

Identifiable Intangible Assets and Liabilities	Consolidated Statements of Operations	Remaining useful lives of identifiable intangible assets at December 31, 2022	Year Ended December 31,

			(weighted average in years)	2022	2021	2020							
Identifiable Intangible Assets							Identifiable Intangible Assets	Consolidated Statements of Operations	Remaining useful lives of identifiable intangible assets at December 31, 2023 (weighted average in years)		Year Ended December 31,		
											2023	2022	2021
Retail customer relationship	Retail customer relationship	Depreciation and amortization	3	\$137	\$197	\$283							
Software and other technology-related assets	Software and other technology-related assets	Depreciation and amortization	4	69	74	73							
Retail and wholesale contracts/purchase and sale/fuel and transportation contracts		Operating revenues/fuel, purchased power costs and delivery fees	3	7	(56)	17							
Retail and wholesale contracts													
Other identifiable intangible assets	Other identifiable intangible assets	Operating revenues/fuel, purchased power costs and delivery fees/depreciation and amortization	4	391	279	223							
Total intangible asset expense, net (a)				\$604	\$494	\$596							
Total intangible asset expense (a)													

(a) Amounts recorded in depreciation and amortization totaled \$208 million \$158 million, \$275 million \$208 million and \$360 million \$275 million for the years ended December 31, 2022 December 31, 2023, 2022 and 2021, and 2020, respectively. Amounts exclude contractual services agreements. Amounts include all expenses associated with environmental allowances including expenses accrued to comply with emissions allowance programs and renewable portfolio standards which are presented in fuel, purchased power costs and delivery fees on our consolidated statements of operations. Emissions allowance obligations are accrued as associated electricity is generated and renewable energy certificate obligations are accrued as retail electricity delivery occurs.

The following is a description of the separately identifiable intangible assets. In connection with fresh start reporting, the Dynegy Merger, the Crius Transaction and the Ambit Transaction, the intangible assets were adjusted based on their estimated fair value as of the Effective Date, the Dynegy Merger Date, the Crius Acquisition Date and the Ambit Acquisition Date, respectively, based on observable prices or estimates of fair value using valuation models.

- *Retail customer relationship* — Retail customer relationship intangible asset represents the fair value of our non-contracted retail customer base, including residential and business customers, and is being amortized using an accelerated method based on historical customer attrition rates and reflecting the expected pattern in which economic benefits are realized over their estimated useful life.
- *Retail and wholesale contracts* — These intangible assets represent the value of various acquired retail and wholesale contracts and fuel and transportation purchase contracts. The contracts were identified as either assets or liabilities based on the respective fair values as of the Effective Date, the Dynegy Merger Date, the Crius Acquisition Date or the Ambit Acquisition Date utilizing prevailing market prices for commodities or services compared to the fixed prices contained in these agreements. The intangible assets or liabilities are being amortized in relation to the economic terms of the related contracts.

- **LTSA** — Our acquired LTSA represent the estimated fair value of favorable or unfavorable contract obligations with respect to long-term plant maintenance agreements and are being amortized based on the expected usage of the service agreements over the contract terms. The majority of the plant maintenance services relate to capital improvements and the related amortization of the plant maintenance agreements is recorded to property, plant and equipment.
- **Retail trade names** — Our retail trade name intangible assets represent the fair value of our retail brands, including the trade names of TXU Energy™, Ambit Energy, 4Change Energy™, Homefield Energy, Dynegy Energy Services, TriEagle Energy, Public Power and U.S. Gas & Electric, and were determined to be indefinite-lived assets not subject to amortization. These intangible assets are evaluated for impairment at least annually in accordance with accounting guidance related to other indefinite-lived intangible assets. We have selected October 1 as our test date. Significant qualitative factors evaluated included trade name financial performance, general macroeconomic, industry, and market conditions, customer attrition and interest rates. On the most recent testing date, we determined that it was more likely than not that the fair value of our retail trade name intangible asset exceeded its carrying value at **October 1, 2022** **October 1, 2023**.
- **Retail and wholesale contracts/purchase and sale contracts** — These intangible assets represent the value of various retail and wholesale contracts and purchase and sale contracts. The contracts were identified as either assets or liabilities based on the respective fair values as of the Effective Date, the Merger Date, the Crius Acquisition Date or the Ambit Acquisition Date utilizing prevailing market prices for commodities or services compared to the fixed prices contained in these agreements. The intangible assets or liabilities are being amortized in relation to the economic terms of the related contracts.
- **Contractual service agreements** — Our acquired contractual service agreements represent the estimated fair value of favorable or unfavorable contract obligations with respect to long-term plant maintenance agreements and are being amortized based on the expected usage of the service agreements over the contract terms. The majority of the plant maintenance services relate to capital improvements and the related amortization of the plant maintenance agreements is recorded to property, plant and equipment.

Estimated Amortization of Identifiable Intangible Assets and Liabilities

As of **December 31, 2022** **December 31, 2023**, the estimated aggregate amortization expense of identifiable intangible assets and liabilities for each of the next five fiscal years is as shown below.

		Estimated Amortization		
Year	Year	Expense	Year	Estimated Amortization Expense
2023		\$ 158		
2024	2024	\$ 109		
2025	2025	\$ 82		
2026	2026	\$ 57		
2027	2027	\$ 33		
2028				

6.7. INCOME TAXES

Vistra files a U.S. federal income tax return that includes the results of its consolidated subsidiaries. Vistra is the corporate parent of the Vistra consolidated group. Pursuant to applicable U.S. Department of the Treasury regulations and published guidance of the IRS, corporations that are members of a consolidated group have joint and several liability for the taxes of such group.

Income Tax Expense (Benefit)

The components of our income tax expense (benefit) are as follows:

		Year Ended December 31,					
		2022	2021	2020			
		Year Ended December 31,			Year Ended December 31,		
		2023	2023	2022	2021		
Current:	Current:						
	U.S. Federal						
	U.S. Federal						

U.S. Federal	U.S. Federal	\$	2	\$	1	\$	(5)
State	State		7		16		41
Total current	Total current		9		17		36
Deferred:	Deferred:						
U.S. Federal	U.S. Federal		(304)		(336)		171
U.S. Federal							
U.S. Federal							
State	State		(55)		(139)		59
Total deferred	Total deferred		(359)		(475)		230
Total	Total		<u><u>\$(350)</u></u>		<u><u>\$(458)</u></u>		<u><u>\$266</u></u>

Reconciliation of income taxes computed at the U.S. federal statutory rate to income tax expense (benefit) recorded:

		Year Ended December 31,								
		2022	2021	2020						
		Year Ended December 31,			Year Ended December 31,					
		2023			2023	2022			2021	
Income (loss) before income taxes	Income (loss) before income taxes	\$ (1,560)	\$ (1,722)	\$ 890						
U.S. federal statutory rate	U.S. federal statutory rate	21 %	21 %	21 %	U.S. federal statutory rate	21 %	21 %	21 %		
Income taxes at the U.S. federal statutory rate	Income taxes at the U.S. federal statutory rate	(328)	(362)	187						
Nondeductible TRA accretion	Nondeductible TRA accretion	18	(8)	(7)						
State tax, net of federal benefit	State tax, net of federal benefit	(19)	(2)	32						
Federal and State return to provision adjustment		(15)	(2)	13						
Valuation allowance on state NOLs										
Valuation allowance on state NOLs										
Valuation allowance on state NOLs										
Release of Uncertain Tax Positions										
Nondeductible compensation		5	4	—						
Equity awards		(3)	1	—						
Valuation allowance on state NOLs		(8)	(94)	41						
Lignite depletion		(4)	(3)	(3)						
Other										
Other										

Other	Other	4	8	3
Income tax expense (benefit)	Income tax expense (benefit)	\$ (350)	\$ (458)	\$266
Effective tax rate	Effective tax rate	22.4 %	26.6 %	29.9 %
			25.4 %	22.4 %
				26.6 %

Deferred Income Tax Balances

Deferred income taxes provided for temporary differences based on tax laws in effect at **December 31, 2022**, **December 31, 2023** and **2021**, **2022** are as follows:

		December 31,	
		2022	2021
		December 31,	
		2023	2022
Noncurrent Deferred Income Tax Assets	Noncurrent Deferred Income Tax Assets		
Tax credit carryforwards	Tax credit carryforwards		
Tax credit carryforwards	Tax credit carryforwards	\$ 125	\$ 76
Loss carryforwards	Loss carryforwards	1,182	1,193
Identifiable intangible assets	Identifiable intangible assets		
Identifiable intangible assets	Identifiable intangible assets	456	346
Long-term debt	Long-term debt	121	15
Employee benefit obligations	Employee benefit obligations	108	121
Commodity contracts and interest rate swaps	Commodity contracts and interest rate swaps	764	238
Other	Other	49	148
Total deferred tax assets	Total deferred tax assets	\$2,805	\$2,137
Noncurrent Deferred Income Tax Liabilities	Noncurrent Deferred Income Tax Liabilities		
Property, plant and equipment	Property, plant and equipment	1,033	767
Property, plant and equipment	Property, plant and equipment		
Total deferred tax liabilities	Total deferred tax liabilities		
Total deferred tax liabilities	Total deferred tax liabilities	1,033	767
Valuation allowance	Valuation allowance	63	68

Net	Net		
Deferred	Deferred		
Income	Income		
Tax	Tax		
Asset	Asset	\$1,709	\$1,302

As of **December 31, 2022** **December 31, 2023**, we had total net deferred tax assets of approximately **\$1.709 billion** **\$1.22 billion** that were substantially comprised of book and tax basis differences related to our generation and mining property, plant and equipment, as well as federal and state net operating loss (NOL) carryforwards. Our deferred tax assets were significantly impacted by the impacts of Winter Storm Uri as well as the **Dynegy Merger**. **For the year ended December 31, 2023, we recognized a tax benefit of \$20 million on the release of state valuation allowances.** For the year ended December 31, 2022, we recognized a tax benefit of \$9 million on the release of state valuation allowances. For the year ended December 31, 2021, we recognized a tax benefit of \$74 million on the release of state valuation allowances largely related to Illinois. As of **December 31, 2022** **December 31, 2023**, we assessed the need for a valuation allowance related to our deferred tax asset and considered both positive and negative evidence related to the likelihood of realization of the deferred tax assets. We have identified negative evidence, in the form of cumulative losses on an unadjusted basis over the preceding 12 quarters. We evaluated historical earnings after adjusting for certain nonrecurring items for purposes of projecting future income, performed scheduling of the reversal of temporary differences, and considered other positive and negative evidence. In connection with our analysis, we concluded that it is more likely than not that the federal deferred tax assets will be fully utilized by future taxable income, and thus no valuation allowance was required. A valuation allowance of approximately \$3 million was recorded in the fourth quarter of 2022 against a portion of our charitable contribution deferred tax asset that is not more likely than not to be utilized before expiration in 2024.

As of **December 31, 2022** **December 31, 2023**, we had **\$4.5 billion** **\$4.0 billion** pre-tax net operating loss (NOL) carryforwards for federal income tax purposes that will begin to expire in 2032.

The income tax effects of the components included in accumulated other comprehensive income totaled net deferred tax liabilities of **zero** and \$7 million **at December 31, 2023** and **\$9 million at December 31, 2022 and 2021, 2022**, respectively.

Inflation Reduction Act of 2022 (IRA)

In August 2022, the U.S. enacted the IRA, which, among other things, implements substantial new and modified energy tax credits, including a nuclear **production tax credit (PTC)**, **PTC**, a solar PTC, a first-time stand-alone battery storage investment tax credit, a 15% corporate alternative minimum tax (CAMT) on book income of certain large corporations, and a 1% excise tax on net stock repurchases. Treasury regulations are expected to **further** define the scope of the legislation in many important respects over the next twelve months. **The excise tax on stock repurchases is not expected to have a material impact on our financial statements.** **Vistra is not subject to the CAMT in the next fiscal 2023 tax year** since it applies only to corporations that have a three-year average annual adjusted financial statement income in excess of \$1 billion. **The excise tax is not expected to have a material impact on our financial statements.** As of **December 31, 2022, we** **We** have taken the CAMT and relevant extensions or expansions of existing tax credits applicable to projects in our immediate development pipeline into account when forecasting cash taxes for periods after the law takes **effect effect**. **See Note 1 for our accounting policy related to refundable and for estimating the TRA liability. transferable PTCs and ITCs.**

Coronavirus Aid, Relief, and Economic Security Act (CARES Act) and

Final Section 163(j) Regulations

In response to the global pandemic related to COVID-19, the CARES Act was signed into law in March 2020. The CARES Act provides numerous relief provisions for corporate taxpayers, including modification of the utilization limitations on net operating losses, favorable expansion of the deduction for business interest expense under IRC Section 163(j) (Section 163(j)), the ability to accelerate timing of refundable AMT credits and the temporary suspension of certain payment requirements for the employer portion of social security taxes. **Additionally, the final Section 163(j) regulations were issued in July 2020 and provided a critical correction to the proposed regulations with respect to the computation of adjusted taxable income.** As of January 1, 2022, certain provisions in the final Section 163(j) regulations have sunset, including the addback of depreciation and amortization to adjusted taxable income. As a result, under the law as currently enacted, Vistra's deductible business interest expense **will be has been** significantly limited for the **2022 2023** tax year. Vistra remains active in legislative monitoring and advocacy efforts to support a legislative solution to reinstate and make permanent the addback of depreciation and amortization to adjusted taxable income. **Vistra also utilized the CARES Act payroll deferral mechanism to defer the payment of approximately \$22 million from 2020 to 2021 and 2022. We paid the remainder of the previously deferred taxes in December 2022.**

Liability for Uncertain Tax Positions

Accounting guidance related to uncertain tax positions requires that all tax positions subject to uncertainty be reviewed and assessed with recognition and measurement of the tax benefit based on a "more-likely-than-not" standard with respect to the ultimate outcome, regardless of whether this assessment is favorable or unfavorable.

We classify interest and penalties related to uncertain tax positions as current income tax expense. The amounts were immaterial for the years ended **December 31, 2022** **December 31, 2023, 2021 2022** and **2020, 2021**. The following table summarizes the changes to the uncertain tax positions, reported in accumulated deferred income taxes and other current liabilities in the consolidated balance sheets for the years ended **December 31, 2022** **December 31, 2023, 2021 2022** and **2020, 2021**.

		Year Ended December 31,					
		2022	2021	2020			
Year Ended December 31,					Year Ended December 31,		
2023					2023	2022	2021
Balance at beginning of period, excluding interest and penalties	Balance at beginning of period, excluding interest and penalties	\$38	\$39	\$126			
Additions based on tax positions related to prior years	Additions based on tax positions related to prior years	—	1	3			
Additions based on tax positions related to prior years							
Additions based on tax positions related to prior years							
Reductions based on tax positions related to prior years	Reductions based on tax positions related to prior years	(1)	—	(90)			
Reductions related to the lapse of the tax statute of limitations							
Settlements with taxing authorities							
Settlements with taxing authorities							
Settlements with taxing authorities	Settlements with taxing authorities	(1)	(2)	—			
Balance at end of period, excluding interest and penalties	Balance at end of period, excluding interest and penalties	\$36	\$38	\$ 39			
Balance at end of period, excluding interest and penalties							
Balance at end of period, excluding interest and penalties							

Vistra and its subsidiaries file income tax returns in U.S. federal, state and foreign jurisdictions and are, at times, subject to examinations by the IRS and other taxing authorities. In February 2021, Vistra was notified that the IRS had opened a federal income tax audit for tax years 2018 and 2019 and an employment tax audit for tax year 2018. In the second quarter of 2022, the employment tax audit for tax year 2018 was closed with no adjustment. 2019. The federal income tax audit is was closed in its final stages and Vistra

expects final closing on an agreed basis June 2023 with immaterial changes in the first half of 2023. It is reasonably possible \$36 million of the uncertain tax positions could be resolved within the next 12 months upon final closing. In December 2022, the IRS formally concluded the federal income tax examination of Crius Energy Corp's pre-acquisition tax years 2015 and 2016, with payment of the agreed adjustments of less than \$1 million made in 2022. All adjustments were agreed, closing out tax years 2015 and 2016. changes. Uncertain tax positions totaled \$36 million zero and \$38 million \$36 million as of December 31, 2022 December 31, 2023 and 2021, 2022, respectively. Of the amounts recorded as unrecognized tax benefits, an insignificant portion would impact our effective tax rate if recognized.

Tax Matters Agreement

On the Effective Date, we entered into the Tax Matters Agreement with EFH Corp. whereby the parties have agreed to take certain actions and refrain from taking certain actions in order to preserve the intended tax treatment of the Spin-Off and to indemnify the other parties to the extent a breach of such agreement results in additional taxes to the other parties.

Among other things, the Tax Matters Agreement allocates the responsibility for taxes for periods prior to the Spin-Off between EFH Corp. and us. For periods prior to the Spin-Off: (a) Vistra is generally required to reimburse EFH Corp. with respect to any taxes paid by EFH Corp. that are attributable to us and (b) EFH Corp. is generally required to reimburse us with respect to any taxes paid by us that are attributable to EFH Corp.

We are also required to indemnify EFH Corp. against taxes, under certain circumstance, if the IRS or another taxing authority successfully challenges the amount of gain relating to the PrefCo Preferred Stock Sale or the amount or allowance of EFH Corp.'s net operating loss deductions.

Subject to certain exceptions, the Tax Matters Agreement prohibits us from taking certain actions that could reasonably be expected to undermine the intended tax treatment of the Spin-Off or to jeopardize the conclusions of the private letter ruling we obtained from the IRS or opinions of counsel received by us or EFH Corp., in each case, in connection with the Spin-Off. Certain of these restrictions apply for two years after the Spin-Off.

Under the Tax Matters Agreement, we may engage in an otherwise restricted action if (a) we obtain written consent from EFH Corp., (b) such action or transaction is described in or otherwise consistent with the facts in the private letter ruling we obtained from the IRS in connection with the Spin-Off, (c) we obtain a supplemental private letter ruling from the IRS, or (d) we obtain an unqualified opinion of a nationally recognized law or accounting firm that is reasonably acceptable to EFH Corp. that the action will not affect the intended tax treatment of the Spin-Off.

7.8. TAX RECEIVABLE AGREEMENT OBLIGATION

On the Effective Date, Vistra entered into the TRA with a transfer agent on behalf of certain former first-lien creditors of TCEH. The TRA generally provides for the payment by us to holders of TRA Rights of 85% of the amount of cash savings, if any, in U.S. federal and state income tax that we realize in periods after Emergence as a result of (a) certain transactions consummated pursuant to the Plan of Reorganization (including the step-up in tax basis in our assets resulting from the PrefCo Preferred Stock Sale), (b) the tax basis of all assets acquired in connection with the acquisition of two CCGT natural gas-fueled generation facilities in April 2016 and (c) tax benefits related to imputed interest deemed to be paid by us as a result of payments under the TRA, plus interest accruing from the due date of the applicable tax return.

Pursuant to the TRA, we issued the TRA Rights for the benefit of the first-lien secured creditors of TCEH entitled to receive such TRA Rights under the Plan of Reorganization. Such TRA Rights are entitled to certain registration rights more fully described in the Registration Rights Agreement (see Note 18) 20). As of January 1, 2023, 426,369,370 of TRA Rights were outstanding.

In December 2023, Vistra repurchased (Repurchase) approximately 74% of the TRA Rights to receive payments under the TRA from a select group of registered holders of the TRA Rights (Selling Holders) in exchange for consideration of \$1.50 per repurchased TRA Right, totaling an aggregate purchase price for the Repurchase of approximately \$476 million. The consideration for the Repurchase was paid through the issuance of 476,081 shares of Series C Preferred Stock (see Note 15) to the Selling Holders in a transaction exempt from registration pursuant to Section 4(a)(2) of the Securities Act. As part of the transaction, the Company agreed to file a shelf registration statement on Form S-3 registering the resale of the shares by the Selling Holders of Series C Preferred Stock from time to time under Rule 415 of the Securities Act, which was filed on January 29, 2024. If the Company repurchases TRA Rights at any time during the 180 days following December 29, 2023 at a price per TRA Right greater than \$1.50, the Company will pay the Selling Holders an amount equal to such excess purchase price per TRA Right sold by the Selling Holders.

In connection with the Repurchase, holders of approximately 74% of the outstanding TRA Rights consented to certain amendments to the TRA which were effected in an Amended and Restated Tax Receivables Agreement (A&R TRA), dated as of December 29, 2023. Such amendments to the TRA include (i) the removal of the Company's obligation to provide registered holders of the TRA Rights (Holders) with regular reporting and access to information, (ii) limitations on the transferability of the TRA Rights, (iii) removal of certain obligations of the Company in the event it incurs indebtedness and (iv) a change to the definition of "Change of Control."

In connection with the Repurchase, in the year ended December 31, 2023, we recognized a \$29 million gain in other income in our consolidated statements of operations. The gain represents the difference between the \$506 million carrying value of the portion of the TRA liability that was repurchased and the \$476 million fair value of the Series C Preferred Stock issued.

On January 11, 2024, Vistra repurchased an additional 43,494,944 of outstanding TRA Rights from a select group of registered holders of TRA Rights in exchange for consideration of \$1.50 per repurchased TRA Right. Total consideration of \$65 million was paid using cash on hand.

On January 31, 2024, Vistra announced a cash tender offer to purchase any and all outstanding TRA Rights in exchange for consideration of \$1.50 per tendered TRA Right accepted for purchase prior to close of business on February 13, 2024 (Early Tender Date), which included an early tender premium of \$0.05 per TRA Right accepted for purchase. As of the Early Tender Date, 55,056,931 TRA Rights were accepted for purchase for total consideration of \$83 million, which was paid using cash on hand. TRA Rights accepted for purchase after the Early Tender Date, but prior to close of business on February 28, 2024, will receive consideration of \$1.45 per TRA Right accepted for purchase, which will be paid using cash on hand.

As of the Early Tender Date, we have repurchased an aggregate 98% of the original outstanding TRA Rights, of which 10,430,083 TRA Rights remain outstanding.

The following table summarizes the changes to the TRA obligation, reported as other current liabilities and Tax Receivable Agreement obligation in our consolidated balance sheets, for the years ended **December 31, 2022**, **December 31, 2023**, **2021** 2022 and **2020**, 2021.

		Year Ended December 31,		
		2022	2021	2020
		Year Ended December 31,		
		2023	2022	2021
TRA obligation at the beginning of the period	TRA obligation at the beginning of the period	\$395	\$450	\$455
Accretion expense	Accretion expense	64	62	64
Changes in tax assumptions impacting timing of payments (a)	Changes in tax assumptions impacting timing of payments (a)	64	(115)	(69)
Impacts of Tax Receivable Agreement				
Impacts of Tax Receivable Agreement				
Impacts of Tax Receivable Agreement	Impacts of Tax Receivable Agreement	128	(53)	(5)
Payments	Payments	(1)	(2)	—
Repurchase of TRA Rights				
TRA obligation at the end of the period	TRA obligation at the end of the period	522	395	450
Less amounts due currently	Less amounts due currently	(8)	(1)	(3)
Noncurrent TRA obligation at the end of the period	Noncurrent TRA obligation at the end of the period	\$514	\$394	\$447

- (a) During the year ended December 31, 2023, we recorded an increase to the carrying value of the TRA obligation totaling \$82 million as a result of adjustments to forecasted taxable income due to increases in longer-term commodity price forecasts. During the year ended December 31, 2022, we recorded an increase to the carrying value of the TRA obligation totaling \$64 million approximately \$64 million as a result of adjustments to forecasted book and taxable income due to increases in commodity price forecasts.

During the year ended December 31, 2021, we recorded a decrease to the carrying value of the TRA obligation totaling approximately \$115 million as a result of adjustments to forecasted taxable income, including the financial impacts of Winter Storm Uri, and anticipated tax benefits available under current tax laws for planned additional renewable development projects. During the year ended December 31, 2020, we recorded a decrease to the carrying value of the TRA obligation totaling \$69 million as a result of adjustments to forecasted taxable income, including the impacts of the CARES Act, changes to Section 163(j) percentage limitation amount, the impacts from the issuance of the final Section 163(j) regulations and the anticipated tax benefits from renewable development projects.

As of December 31, 2022 December 31, 2023, the estimated carrying value of the TRA obligation totaled \$522 million, \$171 million, which represents the discounted amount of projected payments under the TRA. The projected payments are based on certain assumptions, including but not limited to (a) the federal corporate income tax rate of 21%, (b) estimates of our taxable income in the current and future years and (c) additional states that Vistra now operates in, including the relevant tax rate and apportionment factor for each state. Our taxable income takes into consideration the current federal tax code, various relevant state tax laws and reflects our current estimates of future results of the business. The estimates of future business results include assumptions related to renewable development projects that Vistra is planning to execute that generate significant tax benefits. These benefits have a material impact on the timing of TRA obligation payments. These assumptions are subject to change, and those changes could have a material impact on the carrying value of the TRA obligation. As of December 31, 2022 December 31, 2023, and excluding the January and February 2024 activity discussed above, the aggregate amount of undiscounted federal and state payments under the TRA is estimated to be approximately \$1.4 billion, \$350 million, with more than half of such amount expected to be paid during the next 15 years, and the final payment expected to be made around the year 2056 (if the TRA is not terminated earlier pursuant to its terms).

The carrying value of the obligation is being accreted to the amount of the gross expected obligation using the effective interest method. Changes in the amount of this obligation resulting from changes to either the timing or amount of TRA payments are recognized in the period of change and measured using the discount rate inherent in the initial fair value of the obligation.

The TRA provides that, in the event that Vistra breaches any of its material obligations under the TRA, or upon certain mergers, asset sales, or other forms of business combination or certain other changes of control, the transfer agent under the TRA may treat such event as an early termination of the TRA, in which case Vistra would be required to make an immediate payment to the holders of the TRA Rights equal to the present value (at a discount rate equal to LIBOR three-month CME Term SOFR plus the tenor spread adjustment of 0.26161% plus 100 basis points) of the anticipated future tax benefits based on certain valuation assumptions.

The LIBOR provisions of the TRA are subject to the Adjustable Interest Rate (LIBOR) Act of 2022 (LIBOR Act) and the regulations promulgated to carry out the LIBOR Act (LIBOR Regulations). With respect to payments under the TRA, pursuant to the LIBOR Act and the LIBOR Regulations, the "Board-selected benchmark replacement" (BSBR) of three-month CME Term SOFR plus the tenor spread adjustment of 0.26161% automatically became the benchmark replacement to three-month LIBOR on July 1, 2023 and, in addition, the four conforming changes promulgated by the Federal Reserve System Board in the LIBOR Regulations (each of which is a technical or administrative in nature) also apply to the TRA, by operation of law, to effectuate the implementation and use of the foregoing BSBR.

8.9. EARNINGS PER SHARE

Basic earnings per share available to common stockholders are based on the weighted average number of common shares outstanding during the period. Diluted earnings per share is calculated using the treasury stock method and includes the effect of all potential issuances of common shares under stock-based incentive compensation arrangements. Cumulative dividends attributable to Series C Preferred Stock were immaterial during the year ended December 31, 2023.

		Year Ended December 31,			
		2022	2021	2020	
		Year Ended December 31,			Year Ended December 31,
		2023	2023	2022	2021
Net income (loss) attributable to Vistra	Net income (loss) attributable to Vistra	\$ (1,227)	\$ (1,274)	\$ 636	
Less cumulative dividends attributable to Series A Preferred Stock	Less cumulative dividends attributable to Series A Preferred Stock	(80)	(17)	—	

Less cumulative dividends attributable to Series B Preferred Stock	Less cumulative dividends attributable to Series B Preferred Stock	(70)	(4)	—
Less cumulative dividends attributable to Series C Preferred Stock				
Net income (loss) attributable to common stock — basic	Net income (loss) attributable to common stock — basic			
Net income (loss) attributable to common stock — basic				
Net income (loss) attributable to common stock — basic	Net income (loss) attributable to common stock — basic	(1,377)	(1,295)	636
Weighted average shares of common stock outstanding — basic	Weighted average shares of common stock outstanding — basic	422,447,074	482,214,544	488,668,263
Net income (loss) per weighted average share of common stock outstanding — basic	Net income (loss) per weighted average share of common stock outstanding — basic	\$ (3.26)	\$ (2.69)	\$ 1.30
Dilutive securities: Stock-based incentive compensation plan	Dilutive securities: Stock-based incentive compensation plan	—	—	2,422,205
Weighted average shares of common stock outstanding — diluted	Weighted average shares of common stock outstanding — diluted	422,447,074	482,214,544	491,090,468

Net income (loss) per weighted average share of common stock outstanding — diluted	Net income (loss) per weighted average share of common stock outstanding — diluted	\$ (3.26)	\$ (2.69)	\$ 1.30
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Stock-based incentive compensation plan awards excluded from the calculation of diluted earnings per share because the effect would have been antidilutive totaled 392,218, 8,292,647 14,412,299 and 12,553,414 14,412,299 shares for the years ended December 31, 2022 December 31, 2023, 2021 2022 and 2020, 2021, respectively.

9.10. ACCOUNTS RECEIVABLE FINANCING

Accounts Receivable Securitization Program

TXU Energy Receivables Company LLC (RecCo), an indirect subsidiary of Vistra, has an accounts receivable financing facility (Receivables Facility) provided by issuers of asset-backed commercial paper and commercial banks (Purchasers). In December 2020, the Receivables Facility was amended to include Ambit Texas, LLC (Ambit Texas), Value Based Brands and TriEagle Energy, as originators, and increase the commitment of the Purchasers to \$500 million for the remaining term of the Receivables Facility. In February 2021, the Receivables Facility was amended to allow for a one-time, \$596 million borrowing to take advantage of a higher receivable balance at such time. The borrowing limit returned to \$500 million in March 2021. In March 2021, the Receivables Facility was amended to increase the commitment of the Purchasers to \$600 million through the July 2021 renewal. The Receivables Facility was renewed in July 2022, 2023, extending the term of the Receivables Facility to July 2023, 2024 and adjusting the commitment of the purchasers to purchase interests in the receivables under the Receivables Facility during certain all periods to align with the peak retail season which increased the commitments by \$25 million for the settlement periods through December 2022 as compared to prior periods, as follows: (i) \$625 million beginning with the settlement date in July 2022 until the settlement date in August 2022, (ii) a fixed purchase limit of \$750 million from the settlement date in August 2022 until the settlement date in November 2022, (iii) \$625 million seasonally adjusted commitment limits ranging from the settlement date in November 2022 until the settlement date in December 2022, and (iv) \$600 million from the settlement date in December 2022 and thereafter for the remaining term of the Receivables Facility, to \$750 million.

In connection with the Receivables Facility, TXU Energy, Dynegy Energy Services, Ambit Texas, Value Based Brands and TriEagle Energy, each indirect subsidiaries of Vistra and originators under the Receivables Facility (Originators), each sell and/or contribute, subject to certain exclusions, all of its receivables (other than any receivables excluded pursuant to the terms of the Receivables Facility), arising from the sale of electricity to its customers and related rights (Receivables), to RecCo, a consolidated, wholly owned, bankruptcy-remote, direct subsidiary of TXU Energy. RecCo, in turn, is subject to certain conditions, and may draw under the Receivables Facility up to the limits described above to fund its acquisition of the Receivables from the Originators. RecCo has granted a security interest on the Receivables and all related assets for the benefit of the Purchasers under the Receivables Facility and Vistra Operations has agreed to guarantee the obligations under the agreements governing the Receivables Facility. Amounts funded by the Purchasers to RecCo are reflected as short-term borrowings on the consolidated balance sheets. Proceeds and repayments under the Receivables Facility are reflected as cash flows from financing activities in our consolidated statements of cash flows. Receivables transferred to the Purchasers remain on Vistra's balance sheet and Vistra reflects a liability equal to the amount advanced by the Purchasers. The Company records interest expense on amounts advanced. TXU Energy continues to service, administer and collect the Receivables on behalf of RecCo and the Purchasers, as applicable.

As of December 31, 2022, outstanding borrowings under the Receivables Facility totaled \$425 million and were supported by \$1.013 billion of RecCo gross receivables. As of December 31, 2021 December 31, 2023, there were no outstanding borrowings under the Receivables Facility. As of December 31, 2022, outstanding borrowings under the Receivables totaled \$425 million and were supported by \$1 billion of RecCo gross receivables.

Repurchase Facility

TXU Energy and the other originators under the Receivables Facility have a repurchase facility (Repurchase Facility) that is provided on an uncommitted basis by a commercial bank as buyer (Buyer). In July 2021, the Repurchase Facility was renewed until August 2021 and increased from \$125 million to \$150 million. In August 2021, 2023, the Repurchase Facility was renewed until July 2022 and the facility size was decreased from \$150 million to \$125 million. In August 2022, the Repurchase Facility was renewed until July 2023 2024 while maintaining the facility size of \$125 million. The Repurchase Facility is collateralized by a subordinated note (Subordinated Note) issued by RecCo in favor of TXU Energy for the benefit of Originators under the Receivables Facility and representing a portion of the outstanding balance of the purchase price paid for the Receivables sold by the Originators to RecCo under the Receivables Facility. Under the Repurchase Facility, TXU Energy may request that Buyer transfer funds to TXU Energy in exchange for a transfer of the Subordinated Note, with a simultaneous agreement by TXU Energy to transfer funds to Buyer at a date certain or on demand in exchange for the return of the Subordinated Note (collectively, the Transactions) Repo Transaction). Each Repo Transaction is expected to have a term of one month, unless terminated earlier on demand by TXU Energy or terminated by Buyer after an event of default.

TXU Energy and the other Originators have each granted Buyer a first-priority security interest in the Subordinated Note to secure its obligations under the agreements governing the Repurchase Facility, and Vistra Operations has agreed to guarantee the obligations under the agreements governing the Repurchase Facility. Unless earlier terminated under the agreements governing the Repurchase Facility, the Repurchase Facility will terminate concurrently with the scheduled termination of the Receivables Facility.

There were no outstanding borrowings under the Repurchase Facility as of both **December 31, 2022** **December 31, 2023** and **December 31, 2021** **December 31, 2022**.

11. COLLATERAL FINANCING AGREEMENT WITH AFFILIATE

On June 15, 2023, Vistra Operations entered into a facility agreement (Facility Agreement) with a Delaware trust formed by the Company (the Trust) that sold 450,000 pre-capitalized trust securities (P-Caps) redeemable May 17, 2028 for an initial purchase price of \$450 million. The Trust is not consolidated by Vistra. The Trust invested the proceeds from the sale of the P-Caps in a portfolio of either (a) U.S. Treasury securities (Treasuries) or (b) Treasuries and/or principal and interest strips of Treasuries (Treasury Strips, and together with the Treasuries and cash denominated in U.S. dollars, the Eligible Assets). At the direction of Vistra Operations, the Eligible Assets held by the Trust can be (i) delivered to one or more designated subsidiaries of Vistra Operations in order to allow such subsidiaries to use the Eligible Assets to meet certain posting obligations with counterparties, and/or (ii) pledged as collateral support for a letter of credit program. Fees related to the Facility Agreement transaction totaled \$7 million in the year ended December 31, 2023, which were capitalized as other noncurrent assets.

Under the Facility Agreement, Vistra Operations has the right (Issuance Right), from time to time, to require the Trust to purchase from Vistra Operations up to \$450 million aggregate principal amount of Vistra Operations' 7.233% Senior Secured Notes due 2028 (7.233% Senior Secured Notes) in exchange for the delivery of all or a portion of the Treasuries and Treasury Strips corresponding to the portion of the issuance right exercised at such time.

The Trust will terminate at any time prior to May 17, 2028 and distribute the 7.233% Senior Secured Notes to the holders of the P-Caps if its sole assets consist of 7.233% Senior Secured Notes that Vistra Operations is no longer entitled to repurchase.

Vistra Operations pays a facility fee (Facility Fee) to the Trust payable on each May 17 and November 17, commencing on November 17, 2023, to and including May 17, 2028 (each, a Distribution Date), and on certain other dates as provided in the Facility Agreement. The Facility Fee is generally calculated at a rate of 3.3608% per annum, applied to the maximum amount of 7.233% Senior Secured Notes that Vistra Operations could issue and sell to the Trust under the Facility Agreement as of the close of business on the business day immediately preceding the applicable Distribution Date.

As of December 31, 2023, \$439 million is the fair value of Eligible Assets held by counterparties to satisfy current and future margin deposit requirements and is reported in our consolidated balance sheets as margin deposits posted under affiliate financing agreement and margin deposit financing with affiliate.

10.12. DEBT

Amounts in the table below represent the categories of long-term debt obligations, including amounts due currently, incurred by the Company.

		December 31,	
		2022	2021
Vistra Operations Credit Facilities		\$ 2,514	\$ 2,543
		December 31,	
		2023	2022
Vistra Operations Credit Facilities, Term Loan B-3 Facility due December 20, 2030			
Vistra Operations Senior Secured Notes:	Vistra Operations Senior Secured Notes:		
4.875% Senior Secured Notes, due May 13, 2024	4.875% Senior Secured Notes, due May 13, 2024		
4.875% Senior Secured Notes, due May 13, 2024	4.875% Senior Secured Notes, due May 13, 2024	400	—

3.550% Senior Secured Notes, due July 15, 2024	3.550% Senior Secured Notes, due July 15, 2024	1,500	1,500
5.125% Senior Secured Notes, due May 13, 2025	5.125% Senior Secured Notes, due May 13, 2025	1,100	—
3.700% Senior Secured Notes, due January 30, 2027	3.700% Senior Secured Notes, due January 30, 2027	800	800
4.300% Senior Secured Notes, due July 15, 2029	4.300% Senior Secured Notes, due July 15, 2029	800	800
6.950% Senior Secured Notes, due October 15, 2033			
Total Vistra Operations Senior Secured Notes	Total Vistra Operations Senior Secured Notes	4,600	3,100
Vistra Operations Senior Unsecured Notes:	Vistra Operations Senior Unsecured Notes:		
5.500% Senior Unsecured Notes, due September 1, 2026			
5.500% Senior Unsecured Notes, due September 1, 2026			
5.500% Senior Unsecured Notes, due September 1, 2026	5.500% Senior Unsecured Notes, due September 1, 2026	1,000	1,000
5.625% Senior Unsecured Notes, due February 15, 2027	5.625% Senior Unsecured Notes, due February 15, 2027	1,300	1,300
5.000% Senior Unsecured Notes, due July 31, 2027	5.000% Senior Unsecured Notes, due July 31, 2027	1,300	1,300
4.375% Senior Unsecured Notes, due May 15, 2029	4.375% Senior Unsecured Notes, due May 15, 2029	1,250	1,250

7.750% Senior Unsecured Notes, due October 15, 2031			
Total Vistra Operations Senior Unsecured Notes	Total Vistra Operations Senior Unsecured Notes	4,850	4,850
Other:	Other:		
Forward Capacity Agreements		—	213
Other:			
Other:			
Equipment Financing Agreements	Equipment Financing Agreements	79	92
Other		—	6
Equipment Financing Agreements			
Equipment Financing Agreements			
Total other long-term debt			
Total other long-term debt			
Total other long-term debt	Total other long-term debt	79	311
Unamortized debt premiums, discounts and issuance costs	Unamortized debt premiums, discounts and issuance costs	(72)	(73)
Total long- term debt including amounts due currently	Total long- term debt including amounts due currently	11,971	10,731
Less amounts due currently		(38)	(254)
Less amounts due currently (a)			
Total long- term debt less amounts due currently	Total long- term debt less amounts due currently	\$11,933	\$10,477

(a) Includes \$356 million of the 5.125% senior secured notes due 2025 repurchased for cash as part of the Senior Secured Notes Tender Offer in January 2024 (described below) as the payment was made with current assets on our consolidated balance sheet as of December 31, 2023.

As of December 31, 2022, December 31, 2023 and 2021, 2022, outstanding short-term borrowings totaled \$650 million and zero, respectively, under the Commodity-Linked Facility and the Revolving Credit Facility (described and the Commodity-Linked Facility (each described below), totaled zero and \$650 million, respectively.

Vistra Operations Credit Facilities and Commodity-Linked Revolving Credit Facility

Vistra Operations Credit Facilities —

As of December 31, 2022 December 31, 2023, the Vistra Operations Credit Facilities consisted of up to \$5.889 billion \$5.675 billion in senior secured, first-lien revolving credit commitments and outstanding term loans, which consisted of revolving credit commitments of up to \$3.375 billion \$3.175 billion (Revolving Credit Facility) and term loans of \$2.514 billion \$2.5 billion (Term Loan B-3 Facility). These amounts reflect the following transactions and amendments completed in 2023, 2022 2021 and 2020: 2021:

- On December 20, 2023, Vistra Operations entered into an amendment (December 2023 Credit Agreement Amendment) to the Vistra Operations Credit Agreement among Vistra Operations, as borrower, Vistra Intermediate, the guarantors party thereto, the 2023 Incremental Term Loan Lender, Credit Suisse AG, Cayman Islands Branch, as administrative agent and collateral agent, and other parties named therein. Pursuant to the December 2023 Credit Agreement Amendment, (i) incremental term loans totaling \$7 million aggregate principal amount were established and were added to (and made part of) the existing Term Loan B-3 Facility, (ii) the maturity date of the Term Loan B-3 Facility was extended to December 20, 2030, (iii) Credit Suisse AG, Cayman Islands Branch provided notice of its intent to resign as administrative agent, collateral agent and a letter of credit issuer and Vistra Operations and the required lenders agreed to appoint Citibank, N.A. as successor thereto upon the effectiveness of such resignation, (iv) interest rate margins on the Term SOFR Rate and Alternate Base Rate (ABR) were increased by 25 basis points, and (v) the credit spread adjustment related to the Adjusted Term SOFR Rate applicable to the Term B-3 Facility, as discussed in the April 2023 Credit Agreement Amendment below, was eliminated. Fees and expenses related to the December 2023 Credit Agreement Amendment of \$19 million and original issue discount of \$25 million were capitalized as a reduction in the carrying amount of the debt. We recorded an extinguishment gain of \$3 million related to the December 2023 Credit Agreement Amendment in interest expense and other charges in our consolidated statements of operations.
- On September 26, 2023, Vistra Operations entered into (a) an amendment to the Vistra Operations Credit Agreement, among Vistra Operations, as borrower, Vistra Intermediate, the guarantors party thereto, Credit Suisse AG, Cayman Islands Branch, as administrative agent, and the other parties named therein, and (b) an amendment to the Vistra Operations Commodity-Linked Credit Agreement, among Vistra Operations, as borrower, Vistra Intermediate, the guarantors party thereto, Citibank, N.A., as administrative agent, and the other parties named therein (such amendments, the September 2023 Amendments). The September 2023 Amendments, among other things, (i) implemented changes to certain covenants and other provisions of the Vistra Operations Credit Agreement and the Vistra Operations Commodity-Linked Credit Agreement, as applicable, to allow for the Energy Harbor acquisition and related additional financings contemplated by the Commitment Letter and (ii) provided for additional operational flexibility in the conduct of Vistra Operation's business. In addition, the September 2023 amendment to the Vistra Operations Commodity-Linked Credit Agreement also provided Vistra Operations the flexibility to update the deemed hedge portfolio that serves as the borrowing base under the Commodity-Linked Facility on a more frequent basis.
- On April 28, 2023, Vistra Operations entered into an amendment (April 2023 Credit Agreement Amendment) to the Vistra Operations Credit Agreement, among Vistra Operations, as borrower, Vistra Intermediate, the guarantors party thereto, Credit Suisse AG, Cayman Islands Branch, as administrative agent, and the other parties named therein. Pursuant to the April 2023 Credit Agreement Amendment, and in light of a public statement by the supervisor for the administrator of the "LIBOR Rate" identifying June 30, 2023 as the date after which the "LIBOR Rate" was to permanently or indefinitely cease to be published, the "LIBOR Rate", with respect to the term loans under the Vistra Operations Credit Agreement, ceased to be applicable after June 30, 2023 and was replaced by the Adjusted Term SOFR Rate, other than as expressly contemplated by the April 2023 Credit Agreement Amendment. The Adjusted Term SOFR Rate with respect to the Term Loan B-3 Facility was effective through December 20, 2023 and was the interest rate per annum equal to the Term SOFR Rate plus (a) with respect to an interest period of one month, 0.11% per annum, (b) with respect to an interest period of three months, 0.26% per annum and (c) with respect to an interest period of six months, 0.43% per annum.
- On April 29, 2022 (April 2022 Amendment Effective Date) and July 18, 2022 (July 2022 Amendment Effective Date), Vistra Operations entered into amendments (Credit (2022 Credit Agreement Amendments) to the Vistra Operations Credit Agreement, among Vistra Operations, as borrower, Vistra Intermediate, the guarantors party thereto, Credit Suisse AG, Cayman Islands Branch, as administrative agent and collateral agent, and the other parties named therein. Pursuant to the 2022 Credit Agreement Amendments, new classes of extended revolving credit commitments maturing in April 2027 were established in aggregate amounts of \$2.8 billion and \$725 million as of the April 2022 Amendment Effective Date and the July 2022 Amendment Effective Date, respectively. The July 18, 2022 amendment to the Vistra Operations Credit Agreement also provides provided that Vistra Operations will would terminate at least \$350 million in Extended Revolving Credit Facility (as defined below) commitments by December 30, 2022 or earlier if Vistra Operations or any guarantor receives proceeds from any capital markets transaction whose primary purpose is designed to enhance the liquidity of Vistra Operations and its guarantors. In accordance with this requirement, effective December 30, 2022, Vistra Operations terminated \$350 million in revolving commitments. After giving effect to the 2022 Credit Agreement Amendments and the revolving commitment reduction, the aggregate amount of revolving commitments maturing on April 29, 2027 equals \$3.175 billion (Extended Revolving Credit Facility), while the \$200 million \$200 million in revolving commitments maturing that matured on June 14, 2023 (Non-Extended Revolving Credit Facility) remain remained unchanged by the Credit Agreement Amendments. Furthermore, the 2022 Credit Agreement Amendments appointed new revolving letter of credit issuers, such that the aggregate amount of revolving letter of credit commitments equals \$3.245 billion \$3.105 billion after giving effect to (i) the 2022 Credit Agreement Amendments. Amendments and (ii) the maturity of the Non-Extended Credit Facility on June 14, 2023 in accordance with the terms of the Vistra Operations Credit Agreement. Fees and expenses related to the 2022 Credit Agreement Amendments totaled \$8 million in the year ended December 31, 2022, which were capitalized as a reduction in the carrying amount of the debt.
- In March 2021, Vistra Operations borrowed \$1.0 billion principal amount under the Term Loan A Facility. In April 2021, Vistra Operations borrowed an additional \$250 million principal amount under the Term Loan A Facility. Proceeds from the Term Loan A Facility, together with cash on hand, were used to repay certain amounts outstanding under the Revolving Credit Facility. Borrowings under the Term Loan A Facility were reported in short-term borrowings in our consolidated balance sheet. In May 2021, Vistra Operations used the proceeds from the issuance of the Vistra Operations 4.375% senior unsecured notes due 2029 (described below), together with cash on hand, to repay the \$1.25 billion borrowings under the Term Loan A Facility. We recorded an extinguishment loss of \$1 million on the transaction in the year ended December 31, 2021.

In March 2020, Vistra Operations repurchased and cancelled \$100 million principal amount of Term Loan B-3 Facility borrowings at a weighted average price of \$93.875. We recorded an extinguishment gain of \$6 million on the transaction in the year ended December 31, 2020.

During the year ended December 31, 2022, we borrowed \$1.75 billion and repaid \$1.5 billion under the Revolving Credit Facility, with proceeds from the borrowings used for general corporate purposes.

Our credit facilities and related available capacity at December 31, 2022 December 31, 2023 are presented below.

December 31, 2022													
December 31, 2023													
			Letters of										
Credit Facilities	Credit Facilities	Maturity Date	Facility Limit	Cash Borrowings	Credit Outstanding	Available Capacity	Credit Facilities	Maturity Date	Facility Limit	Cash Borrowings	Letters of Credit Outstanding	Available Capacity	
Extended Revolving Credit Facility (a)	Extended Revolving Credit Facility (a)	April 29, 2027	\$3,175	\$ 237	\$ 1,777	\$1,161							
Non-Extended Revolving Credit Facility (b)	Non-Extended Revolving Credit Facility (b)	June 14, 2023	\$ 200	\$ 13	\$ 112	\$ 75							
Term Loan B-3 Facility (c)	Term Loan B-3 Facility (c)	December 31, 2025	2,514	2,514	—	—							
Term Loan B-3 Facility (b)													
Term Loan B-3 Facility (b)													
Term Loan B-3 Facility (b)													
Total Vistra Operations Credit Facilities	Total Vistra Operations Credit Facilities		\$5,889	\$ 2,764	\$ 1,889	\$1,236							
Commodity-Linked Facility (d)	Commodity-Linked Facility (d)	October 4, 2023	1,350	400	—	808							
Commodity-Linked Facility (c)													
Total Credit Facilities	Total Credit Facilities		\$7,239	\$ 3,164	\$ 1,889	\$2,044							

- (a) Extended Revolving Credit Facility is used for general corporate purposes. Cash borrowings under the Extended Revolving Credit Facility are reported in short-term borrowings in our consolidated balance sheets. The full amount of Extended Revolving Credit Facility available capacity can be utilized to issue letters of credit. In December 2022, Vistra Operations terminated \$350 million in Extended Revolving Credit Facility commitments.
- (b) Non-Extended Revolving Credit Facility used for general corporate purposes. Cash borrowings under the Non-Extended Revolving Credit Facility are reported in short-term borrowings in our consolidated balance sheets. The full amount of Non-Extended Revolving Credit Facility available capacity can be utilized to issue letters of credit.
- (c) Cash Effective December 20, 2023, cash borrowings under the Term Loan B-3 Facility are subject to a required scheduled quarterly payment payments of \$6.25 million beginning in annual amount equal to 1.00% of the original principal amount with the balance paid at maturity, March 2024. Amounts paid cannot be reborrowed.
- (d) (c) Commodity-Linked Facility (defined below) is used to support our comprehensive hedging strategy. As of December 31, 2022 December 31, 2023, the borrowing base of \$1.208 billion \$1.101 billion is lower than the facility limit which represents aggregate commitments of \$1.35 billion, \$1.575 billion. See *Commodity-Linked Revolving Credit Facility* below for discussion of the borrowing base calculation. The Commodity-Linked Facility was amended in October 2023, increasing the aggregate commitments to \$1.575 billion and extending the term to October 2024. The deemed hedge portfolio was also updated to reflect current hedge positions, including the addition of the 2025 deemed hedges. Cash borrowings under the Commodity-Linked Facility are reported in short-term borrowings in our consolidated balance sheets.

Under the Vistra Operations Credit Agreement, the interest applicable to the Extended Revolving Credit Facility is based on a the forward-looking term Secured Overnight Financing Rate (SOFR), rate based on SOFR (Term SOFR Rate) plus a spread that will range from 1.25% to 2.00%, based on the ratings of Vistra Operations' senior secured long-term debt securities, and the fee on any undrawn amounts with respect to the Extended Revolving Credit Facility had been revised to will range from 17.5 basis points to 35.0 basis points, based on ratings of Vistra Operations' senior secured long-term debt securities. As of December 31, 2022 December 31, 2023, there were \$237 million outstanding borrowings under the Extended Revolving Credit Facility and the weighted average interest rate on outstanding borrowings was 8.25% based on the Alternate Bank Rate (ABR) plus a spread of 0.75% as required to be used for same-day borrowings. Letters of credit issued under the Extended Revolving Credit Facility bear interest of 1.75%. The applicable

interest rate margins for the Extended Revolving Credit Facility and the fee for undrawn amounts relating to such extended commitments may further be adjusted from time were lowered to time dependent upon the Company's performance relative 1.70% and 26.5 basis points, respectively, related to a sustainability pricing adjustment based on certain sustainability-linked targets and thresholds.

Under the Vistra Operations Credit Agreement, cash borrowings under the Non-Extended Revolving Credit Facility bear interest based on applicable LIBOR rates, plus a fixed spread of 1.75%. As of December 31, 2022, there were \$13 million no outstanding borrowings under the Non-Extended Extended Revolving Credit Facility and the weighted average interest rate on outstanding borrowings was 8.25% based on the ABR plus a spread of 0.75% as required to be used for same-day borrowings. Facility. Letters of credit issued under the Non-Extended Extended Revolving Credit Facility bear interest that ranges from 1.25% to 2.00% (based on the ratings of 1.75%. Amounts borrowed Vistra Operations' senior secured long-term debt securities), which as of December 31, 2023 was reduced to 1.70% as a result of a sustainability pricing adjustment. The Vistra Operations Credit Facilities also provide for certain additional customary fees payable to the agents and lenders, including fronting fees with respect to outstanding letters of credit.

Effective December 20, 2023, the principal amount under the Term Loan B-3 Facility increased from \$2.493 billion to \$2.50 billion and bears interest based on the applicable LIBOR rates Term SOFR Rate, plus a fixed spreads spread of 1.75%. As of December 31, 2022, 2.00% and the weighted average interest rates before taking into consideration interest rate swaps on outstanding borrowings was 6.13% 7.36% under the Term Loan B-3 Facility. The Vistra Operations Credit Facilities also provide for certain additional fees payable to the agents and lenders, including fronting fees with respect to outstanding letters of credit and availability fees payable with respect to any unused portion of the available Non-Extended Revolving Credit Facility.

Obligations under the Vistra Operations Credit Facilities are secured by a lien liens covering substantially all of Vistra Operations' (and certain of its subsidiaries') consolidated assets, rights and properties, subject to certain exceptions set forth in the Vistra Operations Credit Facilities, provided that the amount of loans outstanding under the Vistra Operations Credit Facilities that may be secured by a lien covering certain principal properties of the Company is expressly limited by the terms of the Vistra Operations Credit Facilities. The Vistra Operations Credit Agreement includes certain collateral suspension provisions that would take effect upon Vistra Operations achieving unsecured investment grade ratings from two ratings agencies, there being no Term Loans (under and as defined in the Vistra Operations Credit Agreement) then outstanding (or the holders thereof agreeing to release such security interests), and there being no outstanding revolving credit commitments the maturities of which have not been extended to April 29, 2027 (or the holders thereof agreeing to release such security interests), such collateral suspension provisions would continue to be in effect unless and until Vistra Operations no longer holds unsecured investment grade ratings from at least two ratings agencies, at which point collateral reversion provisions would take effect (subject to a 60-day grace period).

The Vistra Operations Credit Facilities also permit certain hedging agreements and cash management agreements to be secured on a pari-passu basis with the Vistra Operations Credit Facilities in the event those hedging agreements and cash management agreements met certain criteria set forth in the Vistra Operations Credit Facilities.

The Vistra Operations Credit Facilities provide for affirmative and negative covenants applicable to Vistra Operations (and its restricted subsidiaries), including affirmative covenants requiring it to provide financial and other information to the agents under the Vistra Operations Credit Facilities and to not change its lines of business, and negative covenants restricting Vistra Operations' (and its restricted subsidiaries') ability to incur additional indebtedness, make investments, dispose of assets, pay dividends, grant liens or take certain other actions, in each case, except as permitted in the Vistra Operations Credit Facilities. Vistra Operations' ability to borrow under the Vistra Operations Credit Facilities is subject to the satisfaction of certain customary conditions precedent set forth therein.

The Vistra Operations Credit Facilities provide for certain customary events of default, including events of default resulting from non-payment of principal, interest or fees when due, material breaches of representations and warranties, material breaches of covenants in the Vistra Operations Credit Facilities or ancillary loan documents, cross-defaults under other agreements or instruments and the entry of material judgments against Vistra Operations. Solely with respect to the Revolving Credit Facility, and solely during a compliance period (which, in general, is applicable when the aggregate revolving borrowings and issued revolving letters of credit (in excess of \$300 million) exceed 30% of the revolving commitments), the agreement includes a covenant that requires the consolidated first lien net leverage ratio, which is based on the ratio of net first lien debt compared to an EBITDA calculation defined under the terms of the Vistra Operations Credit Facilities, not to exceed 4.25 to 1.00 (or, during a collateral suspension period, the consolidated total net leverage ratio, which is based on the ratio of consolidated total debt compared to an EBITDA calculation defined under the terms of the Vistra Operations Credit Facilities, not to exceed 5.50 to 1.00). As of December 31, 2022, we were in compliance with this financial covenant. Upon the existence of an event of default, the Vistra Operations Credit Facilities provide that all principal, interest and other amounts due thereunder will become immediately due and payable, either automatically or at the election of specified lenders.

Commodity-Linked Revolving Credit Facility

In order to support our comprehensive hedging strategy, in February 2022, Vistra Operations entered into a \$1.0 billion senior secured commodity-linked revolving credit facility (Commodity-Linked Facility) by and among Vistra Operations, Vistra Intermediate, the lenders, joint lead arrangers and joint bookrunners party thereto, and Citibank, N.A., as administrative agent and collateral agent. In May 2022, we entered into an amendment to the Commodity-Linked Facility to increase the aggregate available commitments from \$1.0 billion to \$2.0 billion and to provide the flexibility, subject to our ability to obtain additional commitments, to further increase the size of the Commodity-Linked Facility by an additional \$1.0 billion to a facility size of \$3.0 billion. Subsequent amendments in May 2022 and June 2022 increased the aggregate available commitments from \$2.0 billion to \$2.25 billion. In October 2022, Vistra initiated amendments to the Commodity-Linked Facility to, among other things, (i) extend the maturity date to October 4, 2023 and (ii) reduce the aggregate available commitments to \$1.35 billion. Fees and expenses related to In September 2023, the facility totaled \$6 million in the year ended December 31, 2022, which were capitalized as a reduction in the carrying amount of the debt. The Vistra Operations Commodity-Linked Credit Agreement includes was amended to (i) conform to changes and modifications consistent with the Vistra Operations Credit Agreement including to allow for the Energy Harbor acquisition and related additional financings contemplated by the Commitment Letter and (ii) give Vistra Operations the flexibility to update the deemed hedge portfolio that serves as the borrowing base under the Commodity-Linked Facility on a covenant, solely during a compliance period (which, in general, is applicable when more frequent basis. In October 2023, Vistra Operations initiated amendments to the Commodity-Linked Facility to, among other things, (i) extend the maturity date to October 2, 2024 and (ii) increase the aggregate revolving borrowings exceeds 30% of the revolving commitments), that requires the consolidated first-lien net leverage ratio not available commitments to exceed 4.25 to 1.00 (or, during a collateral suspension period, not to exceed 5.50 to 1.00). Although the

period ended December 31, 2022 was not a compliance period, we would have been in compliance with this financial covenant if it was required to be tested at such time, \$1.575 billion.

Under the Commodity-Linked Facility, the borrowing base is calculated on a weekly basis based on a set of theoretical transactions which approximate a portion of the hedge portfolio of Vistra Operations and certain of its subsidiaries in certain power markets, with availability thereunder not to exceed the aggregate available commitments nor be less than zero. Vistra Operations may, at its option, borrow an amount up to the borrowing base, as adjusted from time to time, provided that if outstanding borrowings at any time would exceed the borrowing base, Vistra Operations shall make a repayment to reduce outstanding borrowings to be less than or equal to the borrowing base. Vistra Operations intends to use any borrowings provided under the Commodity-Linked Facility to make cash postings as required under various commodity contracts to which Vistra Operations and its subsidiaries are parties as power prices increase from time-to time and for other working capital and general corporate purposes.

Under the Vistra Operations Commodity-Linked Credit Agreement, the interest applicable to the Commodity-Linked Facility is based on the Term SOFR Rate plus a spread that will range from 1.25% to 2.00%, based on the ratings of Vistra Operations' senior secured long-term debt securities, and the fee on any undrawn amounts with respect to the Commodity-Linked Facility will range from 17.5 basis points to 35.0 basis points, based on ratings of Vistra Operations' senior secured long-term debt securities. As of December 31, 2023, the applicable interest rate margins for the Commodity-Linked Facility and the fee on any undrawn amounts with respect to the Commodity-Linked Facility were lowered to 1.70% and 26.5 basis points, respectively, related to a sustainability pricing adjustment based on certain sustainability-linked targets and thresholds. As of December 31, 2023, there were no outstanding borrowings under the Commodity-Linked Facility.

The Vistra Operations Commodity-Linked Credit Agreement includes a covenant, solely during a compliance period (which, in general, is applicable when the aggregate revolving borrowings exceeds 30% of the revolving commitments), that requires the consolidated first lien net leverage ratio, which is based on the ratio of net first lien debt compared to an EBITDA calculation defined under the terms of the Commodity-Linked Facility, not to exceed 4.25 to 1.00 (or, during a collateral suspension period, the consolidated total net leverage ratio, which is based on the ratio of consolidated total debt compared to an EBITDA calculation defined under the terms of the Commodity-Linked Facility, not to exceed 5.50 to 1.00). As of December 31, 2023, we were in compliance with this financial covenant.

Interest Rate Swaps

Vistra employs interest rate swaps to hedge our exposure to variable rate debt. As of **December 31, 2022** December 31, 2023, Vistra has entered into the following series of interest rate swap transactions. The rate ranges in the table below reflect the fixed leg of each swap plus an interest margin of 2.00%. The February 2024 and July 2026 swaps were amended in the second quarter of 2023 to reflect the conversion of LIBOR to SOFR.

Notional Amount		Notional Amount		Expiration Date		Rate Range	
Swapped to fixed							
Swapped to fixed							
		Notional Amount	Expiration Date			Rate Range	
Swapped to fixed	Swapped to fixed	\$3,000	July 2023	3.67 % - 3.91%			
Swapped to variable	Swapped to variable	\$700	July 2023	3.20 % - 3.23%	Swapped to variable	\$600	February 2024
Swapped to fixed	Swapped to fixed	\$720	February 2024	3.71 % - 3.72%	Swapped to fixed	\$3,000	July 2026
Swapped to variable	Swapped to variable	\$720	February 2024	3.20 % - 3.20%	Swapped to variable	\$700	July 2026
Swapped to fixed (a)	Swapped to fixed (a)	\$3,000	July 2026	4.72 % - 4.79%	Swapped to fixed (a)	\$1,625	December 2030
Swapped to variable (a)		\$700	July 2026	3.28 % - 3.33%			

(a) Effective from July 2023 2026 through July 2026, December 2030.

During 2019, Vistra entered into \$2.12 billion of new interest rate swaps, pursuant to which Vistra will pay a variable rate and receive a fixed rate. The terms of these new swaps were matched against the terms of certain existing swaps, effectively offsetting the hedge of the existing swaps and fixing the out-of-the-money position of such swaps. These matched swaps will settle over time, in accordance with the original contractual terms. The remaining existing swaps Swaps expiring in July 2026 continue to hedge our exposure on \$2.30 billion of debt through July 2026.

In October 2023, Vistra settled and terminated \$120 million notional amount of each series of interest rate swaps expiring in February 2024.

In March 2023, Vistra entered into \$750 million notional amount of interest rate swaps to hedge future floating rate debt issuances. The swaps were effective as of December 31, 2023 and expire December 31, 2030. In December 2023, we settled the January 2024 through July 2026 mark-to-market gain of these swaps for \$13 million in cash proceeds, amended the effective dates to July 31, 2026 and modified the fixed rate coupons to correspond with the one-month Term SOFR Rate. In addition, in December 2023, Vistra entered into \$875 million notional amount of interest rate swaps effective July 31, 2026 and expire December 31, 2030. These swaps, along with the \$750 million notional amount of interest rate swaps entered into in March 2023, will hedge our exposure on \$1.625 billion of floating rate debt from August 2026 through December 2030.

Secured Letter of Credit Facilities

In August and September 2020, Vistra entered into uncommitted standby letter of credit facilities that are each secured by a first lien on substantially all of Vistra Operations' (and certain of its subsidiaries') assets (which ranks pari passu with the Vistra Operations Credit Facilities) (each, a Secured LOC Facility and collectively, the Secured LOC Facilities). The Secured LOC Facilities are used for general corporate purposes. In October 2021, September 2022 and October 2022, Vistra entered into additional Secured LOC Facilities which are used for general corporate purposes. As of December 31, 2022 December 31, 2023, \$762 million \$788 million of letters of credit were outstanding under the Secured LOC Facilities.

Each of the Secured LOC Facilities includes a covenant that requires the consolidated first-lien net leverage ratio not to exceed 4.25 to 1.00 (or, for certain facilities that include a collateral suspension mechanism, during a collateral suspension period, the consolidated total net leverage ratio not to exceed 5.50 to 1.00). As of December 31, 2022 December 31, 2023, we were in compliance with these financial covenants.

Vistra Operations Senior Secured Notes

In September and December 2023, Vistra Operations issued \$650 million and \$400 million, respectively, aggregate principal amount of 6.950% senior secured notes due 2033 (6.950% Senior Secured Notes) in offerings to eligible purchasers under Rule 144A and Regulation S under the Securities Act. The 6.950% Senior Secured Notes were sold pursuant to a purchase agreement by and among Vistra Operations, certain direct and indirect subsidiaries of Vistra Operations and Citigroup Global Markets Inc., as representative of the several initial purchasers. The 6.950% Senior Secured Notes mature in October 2033, with interest payable in cash semiannually in arrears on April 15 and October 15 beginning April 2024. Net proceeds from the September 2023 issuance totaling \$643 million, together with proceeds from the September 2023 issuance of 7.750% Senior Unsecured Notes discussed below and cash on hand, will be used to fund the Transactions. Net proceeds from the December 2023 issuance totaling \$412 million, together with proceeds from the December 2023 issuance of 7.750% Senior Unsecured Notes discussed below and cash on hand, were used to pay the purchase price and accrued interest (together with fees and expenses) required in connection with the Senior Secured Notes Tender Offer described below. In the year ended December 31, 2023, fees and expenses of \$12 million and a debt premium of \$9 million related to these offerings were capitalized as a reduction in the carrying amount of the debt.

In May 2022, Vistra Operations issued \$1.5 billion aggregate principal amount of senior secured notes (2022 Senior Secured Notes), consisting of \$400 million aggregate principal amount of 4.875% senior secured notes due 2024 (4.875% Senior Secured Notes) and \$1.1 billion aggregate principal amount of 5.125% senior secured notes due 2025 (5.125% Senior Secured Notes) in an offering to eligible purchasers under Rule 144A and Regulation S under the Securities Act (Senior Secured Notes Offering). The 2022 Senior Secured Notes were sold pursuant to a purchase agreement by and among Vistra Operations, certain direct and indirect subsidiaries of Vistra Operations and Citigroup Global Markets Inc., as representative of the several initial purchasers. The 4.875% Senior Secured Notes mature in May 2024 and the 5.125% Senior Secured Notes mature in May 2025. Interest on the 2022 Senior Secured Notes is payable in cash semiannually in arrears on May 13 and November 13 of each year, beginning in November 2022. Net proceeds from the Senior Secured Notes Offering totaling \$1.485 billion, together with cash on hand, were used to pay down borrowings under the Commodity-Linked Facility. Fees and expenses related to the offering totaled \$17 million in the year ended December 31, 2022 December 31, 2023, which were capitalized as a reduction in the carrying amount of the debt.

Since 2019, Vistra Operations issued and sold \$4.6 billion \$5.65 billion aggregate principal amount of senior secured notes in offerings to eligible purchasers under Rule 144A and Regulation S under the Securities Act. The indenture (as may be amended or supplemented from time to time, the Vistra Operations Senior Secured Indenture) governing the 3.550% senior secured notes due 2024, the 3.700% senior secured notes due 2027, the 4.300% senior secured notes due 2029, the 2022 Senior Secured Notes and the 2022 6.950% Senior Secured Notes (collectively, as each may be amended or supplemented from time to time, the Senior Secured Notes) provides for the full and unconditional guarantee by certain of Vistra Operations' current and future subsidiaries that also guarantee the Vistra Operations Credit Facilities. The Senior Secured Notes are secured by a first-priority security interest in the same collateral that is pledged for the benefit of the lenders under the Vistra Operations Credit Facilities, which consists of a substantial portion of the property, assets and rights owned by Vistra Operations and certain direct and indirect subsidiaries of Vistra Operations as subsidiary guarantors (collectively, the Guarantor Subsidiaries) as well as the stock of Vistra Operations held by Vistra Intermediate. The collateral securing the Senior Secured Notes will be released if Vistra Operations' senior, unsecured long-term debt securities obtain an investment grade rating from two out of the three rating agencies, subject to reversion if such rating agencies withdraw the investment grade rating of Vistra Operations' senior, unsecured long-term debt securities or downgrade such rating below investment grade. The Vistra Operations Senior Secured Indenture contains certain covenants and restrictions, including, among others, restrictions on the ability of Vistra Operations and its subsidiaries, as applicable, to create certain liens, merge or consolidate with another entity, and sell all or substantially all of their assets.

Senior Secured Notes Tender Offer — In January 2024, Vistra Operations used the net proceeds from the December 2023 issuances of 6.950% Senior Secured Notes discussed above and 7.750% Senior Unsecured Notes discussed below and cash on hand to fund a cash tender offer (Senior Secured Notes Tender Offer) to purchase for cash \$759 million aggregate principal amount of certain notes, including \$58 million of 4.875% senior secured notes due 2024, \$345 million of 3.550% senior secured notes due 2024 and \$356 million of the 5.125% senior secured notes due 2025.

Vistra Operations Senior Unsecured Notes

In September and December 2023, Vistra Operations issued \$1.1 billion and \$350 million, respectively, aggregate principal amount of 7.750% senior unsecured notes due 2031 (7.750% Senior Unsecured Notes) in offerings to eligible purchasers under Rule 144A and Regulation S under the Securities Act. The 7.750% Senior Unsecured Notes were sold pursuant to a purchase agreement by and among Vistra Operations, certain direct and indirect subsidiaries of Vistra Operations and Citigroup Global Markets Inc., as representative of the several initial purchasers. The 7.750% Senior Unsecured Notes mature in October 2031, with interest payable in cash semiannually in arrears on April 15 and October 15 beginning April 2024. Net proceeds from the September 2023 issuances totaling \$1.089 billion, together with proceeds from the September 2023 issuance of 6.950% Senior Secured Notes discussed above and cash on hand, will be used to fund the Transactions. Net proceeds from the December 2023 issuances totaling \$360 million, together with proceeds from the December 2023 issuance of 6.950% Senior Secured Notes discussed above and cash on hand, were used to pay the purchase price and accrued interest (together with fees and expenses) required in connection with the Senior Secured Notes Tender Offer described above. In the year ended December 31, 2023, fees and expenses of \$17 million and a debt premium of \$7 million related to these offerings were capitalized as a reduction in the carrying amount of the debt.

In May 2021, Vistra Operations issued and sold \$1.25 billion aggregate principal amount of 4.375% senior unsecured notes due 2029 in an offering to eligible purchasers under Rule 144A and Regulation S under the Securities Act. The 4.375% senior unsecured notes due 2029 were sold pursuant to a purchase agreement by and among Vistra Operations, the Guarantor Subsidiaries and J.P. Morgan Securities LLC, as representative of the several initial purchasers. The 4.375% senior unsecured notes mature in May 2029, with interest payable in arrears on May 1 and November 1 beginning November 1, 2021 with interest accrued from May 10, 2021. Net proceeds, together with cash on hand, were used to repay all amounts outstanding under the Term Loan A Facility and to pay fees and expenses of \$15 million related to the offering. Fees and expenses were capitalized as a reduction in the carrying amount of the debt.

Since 2018, Vistra Operations has issued and sold \$4.85 billion \$6.30 billion aggregate principal amount of senior unsecured notes in offerings to eligible purchasers under Rule 144A and Regulation S under the Securities Act. The indentures governing the 5.500% senior unsecured notes due 2026, the 5.625% senior unsecured notes due 2027, the 5.000% senior unsecured notes due 2027, and the 4.375% senior unsecured notes due 2029 and the 7.750% Senior Unsecured Notes (collectively, as each may be amended or supplemented from time to time, the Vistra Operations Senior Unsecured Indentures) provide for the full and unconditional guarantee by the Guarantor Subsidiaries of the punctual payment of the principal and interest on such notes. The Vistra Operations Senior Unsecured Indentures contain certain covenants and restrictions, including, among others, restrictions on the ability of Vistra Operations and its subsidiaries, as applicable, to create certain liens, merge or consolidate with another entity, and sell all or substantially all of their assets.

Debt Repurchase Program

In March 2021, the Board authorized up to \$1.8 billion to voluntarily repay or repurchase outstanding debt, which authorization expired in March 2022 (the Prior (Prior Authorization)). No amounts were repurchased under the Prior Authorization. In October 2022, the Board re-authorized the voluntary repayment or repurchase of up to \$1.8 billion of outstanding debt, with such authorization expiring on December 31, 2023 (Current (Updated Authorization)). Through December 31, 2022 December 31, 2023, no amounts were repurchased under the Current Updated Authorization.

Vistra Senior Unsecured Notes

On the Merger Date, Vistra assumed \$6.138 billion principal amount of Dynegy's senior unsecured notes (Vistra Senior Unsecured Notes). In June 2018, each of the Company's subsidiaries that guaranteed the Vistra Operations Credit Facilities (and did not already guarantee the senior notes) provided a guarantee on the senior notes that remained outstanding.

In January 2020, June 2020 and July 2020, Vistra redeemed aggregate principal amounts of \$81 million of 8.000% senior notes, \$500 million of 5.875% senior notes and \$166 million of 8.125% senior notes, respectively, at redemption prices of 104%, 100.979% and 104.063%, respectively, of the aggregate principal amounts thereof, plus accrued and unpaid interest to, but excluding, the dates of redemption. Extinguishment gains of \$11 million were recognized on the transactions in the year ended December 31, 2020.

Vistra had no outstanding senior notes at the Parent level as of December 31, 2022 and 2021.

Other Long-Term Debt

Forward Capacity Agreements — In March 2021, the Company sold a portion of the PJM capacity that cleared for Planning Years 2021-2022 to a financial institution (2021-2022 Forward Capacity Agreement). The buyer in this transaction received capacity payments from PJM during the Planning Years 2021-2022 in the amount of approximately \$515 million. In May 2022, the final capacity payment from PJM during the Planning Years 2021-2022 was paid, and the terms of the 2021-2022 Forward Capacity were fulfilled.

On the Merger Date, the Company assumed the obligation of Dynegy's agreements under which a portion of the PJM capacity that cleared for Planning Years 2018-2019, 2019-2020 and 2020-2021 was sold to a financial institution (Legacy Forward Capacity Agreements, and, together with the 2021-2022 Forward Capacity Agreement, the Forward Capacity Agreements). In May 2021, the final capacity payment from PJM during the Planning Years 2020-2021 was paid, and the terms of the Legacy Forward Capacity were fulfilled.

Maturities

Long-term debt maturities at December 31, 2022 December 31, 2023 are as follows:

		December 31, 2022
2023		\$ 40
December 31, 2023		December 31, 2023
2024	2024	1,940
2025	2025	3,567
2026	2026	1,006
2027	2027	3,402
2028		
Thereafter	Thereafter	2,088
Unamortized premiums, discounts and debt issuance costs	Unamortized premiums, discounts and debt issuance costs	(72)
Total long-term debt, including amounts due currently	Total long-term debt, including amounts due currently	<u>\$11,971</u>

11. 13. LEASES

Vistra has both finance and operating leases for real estate, rail cars and equipment. Our leases have remaining lease terms for 1 to 35 34 years. Our leases include options to renew up to 15 years. Certain leases also contain options to terminate the lease.

Lease Cost

The following table presents costs related to lease activities:

		Year Ended December 31,		
		2022	2021	2020
Year Ended December 31,		Year Ended December 31,		
2023		2023	2022	2021
Operating lease cost	Operating lease cost	\$ 9	\$11	\$14
Finance lease:	Finance lease:			
Finance lease right-of-use asset amortization	Finance lease right-of-use asset amortization			
Finance lease right-of-use asset amortization	Finance lease right-of-use asset amortization			
Finance lease right-of-use asset amortization	Finance lease right-of-use asset amortization	9	9	7
Interest on lease liabilities	Interest on lease liabilities	12	10	7

Total finance lease cost	Total finance lease cost	21	19	14
Variable lease cost (a)	Variable lease cost (a)	22	29	29
Short-term lease cost	Short-term lease cost	47	35	31
Sublease income (b)	Sublease income (b)	—	(7)	(8)
Net lease cost	Net lease cost	<u>\$99</u>	<u>\$87</u>	<u>\$80</u>

(a) Represents coal stockpile management services, common area maintenance services, and rail car payments based on the number of rail cars used.

(b) Represents sublease income related to real estate leases.

Balance Sheet Information

The following table presents lease related balance sheet information:

		December 31,	
		2022	2021
		December 31,	
		2023	2022
Lease assets:	Lease assets:		
Operating lease right-of-use assets	Operating lease right-of-use assets		
Operating lease right-of-use assets	Operating lease right- of-use assets	\$ 51	\$ 40
Finance lease right-of-use assets (net of accumulated depreciation)	Finance lease right- of-use assets (net of accumulated depreciation)	173	\$173
Total lease right-of- use assets	Total lease right-of- use assets	<u>224</u>	<u>213</u>
Current lease liabilities:	Current lease liabilities:		
Operating lease liabilities	Operating lease liabilities	8	5
Operating lease liabilities	Operating lease liabilities		
Finance lease liabilities	Finance lease liabilities	9	8

Total current lease liabilities	Total current lease liabilities	17	13
Noncurrent lease liabilities:	Noncurrent lease liabilities:		
Operating lease liabilities	Operating lease liabilities	45	38
Operating lease liabilities			
Operating lease liabilities			
Finance lease liabilities	Finance lease liabilities	237	235
Total noncurrent lease liabilities	Total noncurrent lease liabilities	282	273
Total lease liabilities	Total lease liabilities	\$299	\$286

Supplemental Cash Flows and Other Flow Information

The following table presents lease related cash flows and other information:

		Year Ended December 31,		
		2022	2021	2020
Cash paid for amounts included in the measurement of lease liabilities:				
Operating cash flows from operating leases		\$11	\$11	\$17
Operating cash flows from finance leases		8	9	5
Finance cash flows from finance leases		12	5	10
		Year Ended December 31,		
		2023	2023	2022
				2021
Non-cash disclosure upon commencement of new lease:	Non-cash disclosure upon commencement of new lease:			
Right-of-use assets obtained in exchange for new operating lease liabilities				
Right-of-use assets obtained in exchange for new operating lease liabilities				

Right-of-use assets obtained in exchange for new operating lease liabilities	Right-of-use assets obtained in exchange for new operating lease liabilities	19	7	14
Right-of-use assets obtained in exchange for new finance lease liabilities	Right-of-use assets obtained in exchange for new finance lease liabilities	6	—	108
Non-cash disclosure upon modification of existing lease:	Non-cash disclosure upon modification of existing lease:			
Modification of operating lease right-of-use assets	Modification of operating lease right-of-use assets	—	(4)	(1)
Modification of operating lease right-of-use assets	Modification of operating lease right-of-use assets			
Modification of operating lease right-of-use assets	Modification of operating lease right-of-use assets			
Modification of finance lease right-of-use assets	Modification of finance lease right-of-use assets	4	(1)	23

Weighted Average Remaining Lease Term

The following table presents weighted average remaining lease term information:

		December 31,			
		2022	2021		
		December 31,		December 31,	
		2023		2023	2022
Weighted average remaining lease term:	Weighted average remaining lease term:				
Operating lease	Operating lease				
Operating lease	Operating lease				
Operating lease	Operating lease	15.8 years	17.6 years	20.1 years	15.8 years
Finance lease	Finance lease	24.2 years	25.0 years	24.0 years	24.2 years
Weighted average discount rate:	Weighted average discount rate:				
Operating lease	Operating lease	6.26%	5.76 %		
Operating lease	Operating lease				

Maturity of Lease Liabilities

		Operating Lease	Finance Lease	Total Lease
2023		\$ 10	\$ 21	\$ 31
Operating Lease		Operating Lease		
2024	2024	7	20	27
2025	2025	6	20	26
2026	2026	4	14	18
2027	2027	4	13	17
2028				
Thereafter	Thereafter	57	358	415
Total lease payments	Total lease payments	88	446	534
Less: Interest	Less: Interest	(35)	(200)	(235)
Present value of lease liabilities	Present value of lease liabilities	\$ 53	\$ 246	\$299

Contractual Commitments

		Long-Term Service and Maintenance Contracts (a)	Coal transportation agreements	Pipeline transportation and storage reservation fees	Water Contracts
2023		\$ 285	\$ 76	\$ 146	\$ 9
	Long-Term Service and Maintenance Contracts (a)				
	Long-Term Service and Maintenance Contracts (a)				
	Long-Term Service and Maintenance Contracts (a)				
2024	2024	250	33	136	9

2025	2025	187	34	120	9
2026	2026	242	35	106	9
2027	2027	141	36	89	9
2028					
Thereafter	Thereafter	2,318	—	132	50
Total	Total	\$ 3,423	\$ 214	\$ 729	\$ 95

(a) Long-term service and maintenance contracts reflect expected expenditures as these contracts do not include minimum spending requirements, but can only be terminated based on events outside the control of the Company.

In addition to the commitments detailed above, we have nuclear fuel contracts with early termination penalties. As of December 31, 2022 December 31, 2023, termination costs of \$65 million \$61 million would be incurred if we terminated those contracts.

Expenditures under our coal purchase and coal transportation agreements totaled \$995 million \$936 million, \$850 million \$995 million, and \$845 million \$850 million for the years ended December 31, 2022 December 31, 2023, 2021 2022 and 2020, 2021, respectively.

Guarantees

We have entered into contracts that contain guarantees to unaffiliated parties that could require performance or payment under certain conditions. Material guarantees are discussed below.

Letters of Credit

As of December 31, 2022 December 31, 2023, we had outstanding letters of credit totaling \$2.651 billion \$2.750 billion as follows:

- \$2.314 2.408 billion to support commodity risk management collateral requirements in the normal course of business, including over-the-counter and exchange-traded transactions and collateral postings with ISOs/RTOs;
- \$180 186 million to support battery and solar development projects;
- \$27 million to support executory contracts and insurance agreements;
- \$74 91 million to support our REP financial requirements with the PUCT; and
- \$56 38 million for other credit support requirements.

Surety Bonds

As of December 31, 2022 December 31, 2023, we had outstanding surety bonds totaling \$932 million \$935 million to support performance under various contracts and legal obligations in the normal course of business.

Litigation and Regulatory Proceedings

Our material legal proceedings and regulatory proceedings affecting our business are described below. We believe that we have valid defenses to the legal proceedings described below and intend to defend them vigorously. We also intend to participate in the regulatory processes described below. We record reserves for estimated losses related to these matters when information available indicates that a loss is probable and the amount of the loss, or range of loss, can be reasonably estimated. As applicable, we have established an adequate reserve for the matters discussed below. In addition, legal costs are expensed as incurred. Management has assessed each of the following legal matters based on current information and made a judgment concerning its potential outcome, considering the nature of the claim, the amount and nature of damages sought, and the probability of success. Unless specified below, we are unable to predict the outcome of these matters or reasonably estimate the scope or amount of any associated costs and potential liabilities, but they could have a material impact on our results of operations, liquidity, or financial condition. As additional information becomes available, we adjust our assessment and estimates of such contingencies accordingly. Because litigation and rulemaking proceedings are subject to inherent uncertainties and unfavorable rulings or developments, it is possible that the ultimate resolution of these matters could be at amounts that are different from our currently recorded reserves and that such differences could be material.

Litigation

Natural Gas Index Pricing Litigation — We, through our subsidiaries, and other companies have been another company remain named as defendants in lawsuits one consolidated putative class action lawsuit pending in federal court in Wisconsin claiming damages resulting from alleged price manipulation through false reporting of natural gas prices to various index publications, wash trading and churn trading from 2000-2002. The plaintiffs in these cases allege that the defendants engaged in an antitrust conspiracy to inflate natural gas prices during the relevant time period and seek damages under the respective state antitrust statutes. We now remain as a defendant in only one action, which is a consolidated putative class action lawsuit pending in federal court in Wisconsin where a class has been certified and an interlocutory appeal will be heard in In April 2023, the U.S. Court of Appeals for the Seventh Circuit (Seventh Circuit Court), heard oral argument on an interlocutory appeal challenging the district court's order certifying a class.

Illinois Attorney General Complaint Against Illinois Gas & Electric (IG&E) — In May 2022, the Illinois Attorney General filed a complaint against IG&E, a subsidiary we acquired when we purchased Cirus in July 2019. The complaint filed in Illinois state court alleges, among other things, that IG&E engaged in improper marketing conduct and overcharged customers. The vast majority of the conduct in question occurred prior to our acquisition of IG&E. In July 2022, we moved to dismiss the complaint, and in October 2022, the district court granted in part our motion to dismiss, barring all claims asserted by the Illinois Attorney General that were outside of the 5-year statute of limitations period, which now limits the period during which claims may be made to start in May 2017 rather than extending back to 2013 as the Illinois Attorney General had alleged in its complaint.

Winter Storm Uri Legal Proceedings

Repricing Challenges — In March 2021, we filed an appeal in the Third Court of Appeals in Austin, Texas (Third Court of Appeals), challenging the PUCT's February 15 and February 16, 2021 orders governing ERCOT's determination of wholesale power prices during load-shedding events. We filed our opening brief in June 2021, and response briefs were filed in September 2021. Oral argument was held in April 2022. In our brief, we argue that the prior PUCT rushed to adopt a rule that dramatically raised the price of electricity in ERCOT, but in doing so failed to follow any of the rulemaking procedures required for the PUCT to undertake an emergency rulemaking, and we have asked the court to vacate this rule. Other parties also filed briefs in support of supported our challenge to the PUCT's orders. In March 2023, the Third Court of Appeals issued a unanimous decision and agreed with our arguments that the PUCT's pricing orders constituted de facto competition rules and exceeded the PUCT's statutory authority. The Third Court of Appeals vacated the pricing orders and remanded the matter to the PUCT for further proceedings. In March 2023, the PUCT appealed the Third Court of Appeals' ruling to the Texas Supreme Court. In September 2023, the Texas Supreme Court granted the PUC and its intervenors petitions for review of the Third Court of Appeals' decision and the Court heard oral argument in January 2024. In addition, we have also submitted settlement disputes with ERCOT over power prices and other issues during Winter Storm Uri. Following an appeal of the PUCT's March 5, 2021 verbal order and other statements made by the PUCT, the Texas Attorney General, on behalf of the PUCT, its client, represented in a letter agreement filed with the Third Court of Appeals that we and other parties may continue disputing the pricing during Winter Storm Uri through the ERCOT process and, to the extent the outcome of that process comes before the PUCT for review, the PUCT has not prejudged or made a final decision on that matter.

Koch Disputes — In March 2021, we filed a lawsuit in Texas state court against Odessa-Ector Power Partners, L.P., Koch Resources, LLC, Koch AG & Energy Solutions, LLC, and Koch Energy Services, LLC (Koch) seeking equitable relief in which we contested the amount of the February 2021 earnout payment under the terms of the 2017 asset purchase agreement (APA) with Koch. Koch subsequently filed its own related lawsuit in Delaware Chancery Court, and the Delaware Chancery Court ruled that all claims related to the APA dispute (including our equitable claims) would proceed in Delaware. We contested Koch's demand for \$286 million for the February 2021 earnout payment as an unjust windfall and inconsistent with the parties' intent when they entered into the APA in 2017. In the three months ended March 31, 2021, we recorded a \$286 million liability in other noncurrent liabilities and deferred credits in our consolidated balance sheets. In March 2021, we also filed a lawsuit in New York state court against Koch for breach of contract and ineffective notice of force majeure related to Koch's failure to deliver contracted-for quantities of gas during Winter Storm Uri, which Koch removed to federal court. In November 2021, the disputes we had with Koch were resolved to the parties' mutual satisfaction and all the lawsuits have been dismissed. The matter was resolved within the amount that was reserved and was paid in the second quarter of 2022.

Brazos Electric Cooperative Inc. (Brazos) Bankruptcy — As a result of the lengthy period of peak pricing administratively imposed by the PUCT during Winter Storm Uri, certain market participants within ERCOT were are not able to pay their full obligations reasonably estimate the financial statement impact of a repricing as, among other things, the matter is subject to ERCOT. Consequently, ERCOT was "short-paid" approximately \$2.9 billion, the majority of which was related to Brazos, a Texas-based non-profit electric cooperative corporation that provides wholesale electricity to its members, which, in turn, provide retail electricity to Texas consumers. In March 2021, Brazos commenced a Chapter 11 bankruptcy case ongoing legal proceedings and, even if we were ultimately successful in the U.S. Bankruptcy Court for current legal proceeding, the Southern District of Texas. As part of price at which the Brazos bankruptcy proceeding, ERCOT filed a claim market would be resettled is not reasonably estimable because that would be subject to recover approximately \$1.9 billion from Brazos. In response, Brazos filed an adversary proceeding against ERCOT seeking to disallow or greatly reduce ERCOT's claim, further proceedings at ERCOT and Brazos subsequently engaged in mediation to resolve the dispute as an alternative to ERCOT's imposition of its market default protocols, which specify recovery of these losses through issuance of default uplift invoices to all market participants. Under this short-pay recovery process, uplifted short-paid amounts are allocated to all market participants based on market share on a monthly basis until the full short-paid amounts are recovered. The ERCOT protocols limit the amount of short-paid amounts that ERCOT can uplift to the entire market to \$2.5 million per month which would have taken approximately 63 years to recover the full Brazos short-pay claim. As a result of applying these standard ERCOT market default protocols, we recognized an approximately \$189 million default uplift liability in the first quarter of 2021 based on our market share, which was subsequently reduced to \$124 million as ERCOT collected amounts owed from certain defaulting entities through other means, primarily through securitization.

After extensive negotiations, Brazos and ERCOT reached a settlement in September 2022 that was incorporated in a proposed Brazos plan of reorganization filed with the bankruptcy court. Under the settlement, Brazos owed two payments to ERCOT upon its emergence from bankruptcy: first, an approximately \$600 million payment, which ERCOT would use to replenish its Congestion Revenue Rights (CRR) Reserve Account and pay down its portion of the securitization program adopted by the legislature for electric cooperatives and municipal-owned utilities, and second, an approximately \$554 million payment to fund an initial distribution to be made by ERCOT to market participants with claims against the Brazos short-pay based on each market participant's payment election. Brazos would also make certain installment payments (of up to \$13.8 million per year over 12 years) and contribute a portion of the proceeds from the sale of its generation assets (approximately \$117 million) to fund payments, to be distributed by ERCOT, to the applicable market participants. Importantly, the settlement precludes ERCOT from collecting default uplift from market participants for any prepetition amounts owed by Brazos (i.e., it supplants the process to uplift the short-pay claim to market participants), and allows Vistra to extinguish the remaining \$124 million default uplift liability to ERCOT on account of the Brazos short pay following confirmation of the Brazos plan of reorganization. In September 2022, Brazos filed its plan of reorganization with the bankruptcy court and the proposed ERCOT settlement agreement was subject to the Brazos bankruptcy plan voting and confirmation processes, which concluded in November 2022 when the Brazos plan of reorganization was approved by the bankruptcy court. In December 2022, the Brazos plan of reorganization became effective. Accordingly, the \$124 million default uplift liability to ERCOT, which was entirely attributable to the Brazos default, was derecognized in the fourth quarter of 2022 and recognized as revenue in the statement of operations. PUCT.

Regulatory Investigations and Other Litigation Matters — Following the events of Winter Storm Uri, various regulatory bodies, including ERCOT, the ERCOT Independent Market Monitor, the Texas Attorney General, the FERC and the NRC initiated investigations or issued requests for information of various parties related to the significant load shed event that occurred during the event as well as operational challenges for generators arising from the event, including performance and fuel and supply issues. We responded to all those investigatory requests. In addition, a large number of personal injury and wrongful death lawsuits related to Winter Storm Uri have been, and continue to be, filed in various Texas state courts against us and numerous generators, transmission and distribution utilities, retail and electric providers, as well as ERCOT. We and other defendants requested that all pretrial proceedings in these personal injury cases be consolidated and transferred to a single multi-district litigation (MDL) pretrial judge. In June 2021, the MDL panel granted the request to consolidate all these cases into an MDL for pretrial proceedings. Additional personal injury cases that have been, and continue to be, filed on behalf of additional plaintiffs have been consolidated with the MDL proceedings. In addition, in January 2022, an insurance subrogation lawsuit was filed in Austin state court by over one hundred insurance companies against ERCOT, Vistra and several other defendants. The lawsuit seeks recovery of insurance funds paid out by these insurance companies to various policyholders for claims related to Winter Storm Uri, and that case has also now been consolidated with the MDL proceedings. In the summer of 2022, various defendant groups filed motions to dismiss five so-called bellwether cases, and the MDL court heard oral argument on those motions in October 2022. In January 2023, the MDL court ruled on the various motions to dismiss and denied the motions to dismiss of the generator defendants and the transmission distribution utilities defendants, but granted the motions of some of the other defendant groups, including the retail electric providers and ERCOT. In February 2023, the generator defendants filed a mandamus petition with the Houston First Court of Appeals in Houston, Texas (First Court of Appeals) to review the MDL court's denial of the motion to dismiss. In December 2023, the First Court of Appeals in a unanimous decision granted our mandamus petition and instructed the MDL court to grant the motions to dismiss in full filed by the generator defendants. In January 2024, the plaintiffs filed a request with the full Court of Appeals to review that panel ruling. We believe we have strong defenses to these lawsuits and intend to defend against these cases vigorously.

Greenhouse Gas Emissions (GHG)

In July 2019, the EPA finalized a rule that repealed the Clean Power Plan (CPP) that had been finalized in 2015 and established new regulations addressing GHG emissions from existing coal-fueled electric generation units, referred to as the Affordable Clean Energy (ACE) rule. The ACE rule developed emission guidelines that states must use when developing plans to regulate GHG emissions from existing coal-fueled electric generating generation units. In response to challenges brought by environmental groups and certain states, the U.S. Court of Appeals for the District of Columbia Circuit (D.C. Circuit Court) vacated the ACE rule, including the repeal of the CPP, in January 2021 and remanded the rule to the EPA for further action. In June 2022, the U.S. Supreme Court issued an opinion reversing the D.C. Circuit Court's decision, and finding that the EPA exceeded its authority under Section 111 of the Clean Air Act when the EPA set emission requirements in the CPP based on generation shifting. In October 2022, the D.C. Circuit Court issued an amended judgment, denying petitions for review of the ACE rule and challenges to the repeal of the CPP. In addition, the EPA has opened a docket seeking input on questions related to the regulation of GHGs under Section 111(d) and has indicated its intent to issue which closed in March 2023. In May 2023, the EPA released a new proposal regulating power plant GHG emissions, while also proposing to repeal the ACE rule. The new GHG proposal sets limits for (a) new natural gas-fired combustion turbines, (b) existing coal-, oil- and natural gas-fired steam generation units, and (c) certain existing natural gas-fired combustion turbines. The proposed standards are based on technologies such as carbon capture and sequestration/storage (CCS), low-GHG hydrogen co-firing, and natural gas co-firing. Starting in Spring 2030, the proposal would generally require more CO₂ emissions control at fossil fuel-fired power plants that operate more frequently and for more years and would phase in increasingly stringent CO₂ requirements over time. Under the proposal, states would be required to submit plans to the EPA within 24 months of the rule's effective date that provide for the establishment, implementation, and enforcement of standards of performance for existing sources. These state plans must generally establish standards that are at least as stringent as the EPA's emission guidelines. Existing steam generation units must start complying with their standards of performance on January 1, 2030. Existing combustion turbine units must start complying with their standards of performance on January 1, 2032, or January 1, 2035, depending on their subcategory. We submitted comments to the EPA on this proposal in August 2023.

Cross-State Air Pollution Rule (CSAPR)

In October 2015, the EPA revised the primary and secondary ozone NAAQS National Ambient Air Quality Standards (NAAQS) to lower the 8-hour standard for ozone emissions during ozone season (May to September). As required under the CAA, in October 2018, the State of Texas submitted a State Implementation Plan (SIP) to the EPA demonstrating that emissions from Texas sources do not contribute significantly to nonattainment in, or interfere with maintenance by, any other state with respect to the revised ozone NAAQS. In February 2023, the EPA disapproved Texas's SIP. Texas's SIP and the State of Texas, Luminant, certain trade groups, and others challenged that disapproval in the U.S. Court of Appeals for the Fifth Circuit (Fifth Circuit Court). In March 2023, those same parties filed motions to stay the EPA's SIP disapproval in the Fifth Circuit Court, and the EPA moved to transfer our challenges to the D.C. Circuit Court or have those challenges dismissed.

In April 2022, prior to the EPA's disapproval of Texas's Texas SIP, the EPA proposed a Federal Implementation Plan (FIP) to address the 2015 ozone NAAQS. The proposed FIP would apply to 25 states beginning with the 2023 ozone seasons. States where Vistra operates generation units that would be subject to this proposed rule are Illinois, New Jersey, New York, Ohio, Pennsylvania, Texas, Virginia and West Virginia. The revised Group 3 trading program (previously established in the Revised CSAPR Update Rule) would include emission budgets for 2023 that the EPA says are achievable through existing controls installed at power plants. Starting in 2026, the budgets would be based on levels achieved through installation of selective catalytic reduction (SCR) controls at the approximately 20% of large coal-fueled power plants that do not currently have such controls. Starting in 2025, the budgets would be updated annually to account for source retirements. Starting in 2024, the rule would also impose a daily emissions rate limit for coal-fueled units with existing controls and would impose such a limit for units installing new controls in 2027. We, along with many other companies, trade groups, states and ISOs, including ERCOT, PJM and MISO, filed responsive comments to the EPA's proposal in June 2022, expressing concerns about certain elements of the proposal, particularly those that may result in challenges to electric reliability under certain conditions. In March 2023, the EPA administrator signed its final FIP. The FIP applies to 22 states beginning with the 2023 ozone seasons. States where Vistra operates generation units that would be subject to this rule are Illinois, New Jersey, New York, Ohio, Pennsylvania, Texas, Virginia and West Virginia. Texas would be moved into the revised (and more restrictive) Group 3 trading program previously established in the Revised CSAPR Update Rule that includes emission budgets for 2023 that the EPA says are achievable through existing controls installed at power plants. Allowances will be limited under the program and will be further reduced beginning in ozone season 2026 to a level that is expected intended to finalize reduce operating time of coal-fueled power plants during ozone season or force coal plants to retire, particularly those that do not have selective catalytic reduction systems such as our Martin Lake power plant.

In May 2023, the proposed Fifth Circuit Court granted our motion to stay the EPA's disapproval of Texas' SIP pending a decision on the merits and denied the EPA's motion to transfer our challenge to the D.C. Circuit Court. As a result of the stay, we do not believe the EPA has authority to implement the FIP as to Texas sources pending the resolution of the merits, meaning that Texas will remain in Group 2 and not be subject to any requirements under the FIP at least until the Fifth Circuit Court rules on the merits. Oral argument was heard in December 2023 before the Fifth Circuit Court. In June 2023, the EPA published the final FIP in March 2023, the Federal Register, which included requirements as to Texas despite the stay of the SIP disapproval by the Fifth Circuit Court. In February 2022, June 2023, the State of Texas, Luminant certain trade groups, and others various other parties also filed legal challenges to the EPA's disapproval of Texas's SIP FIP in the U.S. Court of Appeals for the Fifth Circuit (Fifth Court, filed a motion to stay the FIP and confirm venue for this dispute in the Fifth Circuit Court). If Court. After the motion to stay and to confirm venue was filed, the EPA finalizes signed an interim final rule on June 29, 2023 that confirms the FIP described above as expected to Texas is stayed. In July 2023, the Fifth Circuit Court ruled that the FIP challenge would be held in March 2023, it will impose reduced ozone season NO_x budgets under abeyance pending the CSAPR program for our Texas power plants. We cannot predict resolution of the outcome of our legal challenges litigation on the SIP disapproval and denied the motion to stay as not needed given the EPA's disapproval of the SIP, any legal action related to the EPA's FIP once finalized, or the effects of the final rule (after the conclusion of legal challenges) on operations of our generation fleet administrative stay.

Regional Haze — Reasonable Progress and Best Available Retrofit Technology (BART) for Texas

In October 2017, the EPA issued a final rule addressing BART for Texas electricity generation units, with the rule serving as a partial approval of Texas' 2009 SIP and a partial FIP. For SO₂, the rule established an intrastate Texas emission allowance trading program as a "BART alternative" that operates in a similar fashion to a CSAPR trading program. The program includes 39 generating generation units (including the Martin Lake, Big Brown, Monticello, Sandow 4, Coletto Creek, Stryker 2 and Graham 2 plants). The compliance obligations in the program started on January 1, 2019. For NO_x, the rule adopted the CSAPR's ozone program as BART and for particulate matter, the rule approved Texas' SIP that determines that no electricity generation units are subject to BART for particulate matter. In August 2020, the EPA issued a final rule affirming the prior BART final rule but also included additional revisions that were proposed in November 2019. Challenges to both the 2017 rule and the 2020 rules have been consolidated in the D.C. Circuit Court, where we have intervened in support of the EPA. We are in compliance with the rule, and the retirements of our Monticello, Big Brown and Sandow 4 plants have enhanced our ability to comply. The EPA has stated it is starting a proceeding for reconsideration in the process of reconsidering the BART rule, which we expect in 2023. The and the challenges in the D.C. Circuit Court have been held in abeyance pending the EPA's final action on reconsideration. In May 2023, a proposed BART rule was published in the Federal Register that would withdraw the trading program provisions of the prior rule and would establish SO₂ limits on six facilities in Texas, including Martin Lake and Coletto Creek. Under the current proposal, compliance would be required within 3 years for Martin Lake and 5 years for Coletto Creek. Due to the announced shutdown for Coletto Creek, we do not anticipate any impacts at that facility, and we are evaluating potential compliance options at Martin Lake should this proposal become final. We submitted comments to the EPA on this proposal in August 2023.

SO₂ Designations for Texas

In November 2016, the EPA finalized its nonattainment designations for counties surrounding our Martin Lake generation plant and our now retired Big Brown and Monticello plants. The final designations require Texas to develop nonattainment plans for these areas. In February 2017, the State of Texas and Luminant filed challenges to the nonattainment designations in the Fifth Circuit Court. In August 2019, the EPA issued a proposed Error Correction Rule for all three areas, which, if finalized, would have revised its previous nonattainment designations and each area at issue would be designated unclassifiable. In May 2021, the EPA finalized a "Clean Data" determination for the areas surrounding the retired Big Brown and Monticello plants, redesignating those areas as attainment based on monitoring data supporting an attainment designation. In June 2021, the EPA published two notices; one that it was withdrawing the August 2019 Error Correction Rule and a second separate notice denying petitions from Luminant and the State of Texas to reconsider the original nonattainment designations. We, along with the State of Texas, challenged that EPA action and have consolidated it with the pending challenge in the Fifth Circuit Court, and this case was argued before the Fifth Circuit Court in July 2022. In September 2021, the TCEQ considered a proposal for its nonattainment SIP revision for the Martin Lake area and an agreed order to reduce SO₂ emissions from the plant. The proposed agreed order associated with the SIP proposal reduces emission limits as of January 2022. Emission reductions required are those necessary to demonstrate attainment with the NAAQS. The TCEQ's SIP action was finalized in February 2022 and has been submitted to the EPA for review and approval. In January 2024, in a split decision, the Fifth Circuit Court denied the petitions for review we and the State of Texas filed over the EPA's 2016 nonattainment designation for SO₂ for the area around Martin Lake. As a result of this decision, the EPA's nonattainment designation – originally made in 2016 – remains in place. We anticipate the EPA will likely move forward with either proposing a federal plan for the area in light of an approved consent decree between the Sierra Club and the EPA that requires the EPA taking final action promulgating a FIP for the nonattainment area by December 13, 2024 or the EPA may approve Texas' SIP submittal discussed above. In February 2024, we filed a petition asking the full Fifth Circuit Court to review the panel decision issued in January 2024.

Particulate Matter

In February 2024, the EPA issued a rule addressing the annual health-based national ambient air quality standards for fine particulate matter (or PM_{2.5}). In general, the rule lowers the level of the annual PM_{2.5} standard from 12.0 micrograms per cubic meter (µg/m³) to 9.0 µg/m³. The effective date of the rule is 60 days from publication in the Federal Register, and the earliest attainment date for areas exceeding the new standard is 2032. At this time, we are still determining what impact, if any, this rule will have on our existing plants or any plants we may build in the future. Based on 2020-2022 design value associated with the rule, we have just five plants (Oakland (California), Calumet (Illinois), Liberty (Pennsylvania), Miami Fort (Ohio) and Lake Hubbard (Texas)) operating in areas where the air quality monitoring data are currently exceeding the new PM_{2.5} standard. We have previously announced that our Miami Fort generation facility will close by the end of 2027. States will have to develop a plan (by late 2027 at the earliest) to get those areas into attainment and there would be a possibility that additional controls would be required for those sites. However, before the state begins this planning process, the designation process will occur within two years from the issuance of the final rule. The states develop recommendations about the boundaries of the nonattainment counties and the EPA must finalize the designations including the boundaries of each nonattainment area.

Effluent Limitation Guidelines (ELGs)

In November 2015, the EPA revised the ELGs for steam electricity generation facilities, which will impose more stringent standards (as individual permits are renewed) for wastewater streams, such as flue gas desulfurization (FGD), fly ash, bottom ash and flue gas mercury control wastewaters. Various parties filed petitions for review of the ELG rule, and the petitions were consolidated in the Fifth Circuit Court. In April 2017, the EPA granted petitions requesting reconsideration of the ELG rule and administratively stayed the rule's compliance date deadlines. In April 2019, the Fifth Circuit Court vacated and remanded portions of the EPA's ELG rule pertaining to effluent limitations for legacy wastewater and leachate. The EPA published a final rule in October 2020 that extends the compliance date for both FGD and bottom ash transport water to no later than December 2025, as negotiated with the state permitting agency. Additionally, the final rule allows for a retirement exemption that exempts facilities certifying that units will retire by December 2028 provided certain effluent limitations are met. In November 2020, environmental groups petitioned for review of the new ELG revisions, and Vistra subsidiaries filed a motion to intervene in support of the EPA in December 2020. In July 2021, the EPA announced its intent to revise the ELG rule and moved to hold the 2020 ELG revision litigation in abeyance pending the EPA's completion of its reconsideration rulemaking. Notifications were made to Texas, Illinois and Ohio state agencies on the retirement exemption for applicable coal plants by the regulatory deadline of October 13, 2021. In March 2023, the EPA published its proposed supplemental ELG rule, which retains the retirement exemption from the 2020 ELG rule and sets new limits for plants that are continuing to operate. The proposed rule also establishes pretreatment standards for combustion residual leachate, and we are currently evaluating the impact of those proposed requirements. We submitted comments on the proposal in May 2023.

CCR/Coal Combustion Residuals (CCR)/Groundwater

In August 2018, the D.C. Circuit Court issued a decision that vacates and remands certain provisions of the 2015 CCR rule, including an applicability exemption for legacy impoundments. In August 2020, the EPA issued a final rule establishing a deadline of April 11, 2021 to cease receipt of waste and initiate closure at unlined CCR impoundments. The final rule allows a generation plant to seek the EPA's approval to extend this deadline if no alternative disposal capacity is available and either a conversion to comply with the CCR rule is underway or retirement will occur by either 2023 or 2028 (depending on the size of the impoundment at issue). Prior to the November 2020 deadline, we submitted applications to the EPA requesting compliance extensions under both conversion and retirement scenarios. In 2022 and 2023, we withdrew the applications for Coffeen, Martin Lake, Joppa and Zimmer stations because extensions were no longer needed. In November 2020, environmental groups petitioned for review of this rule in the D.C. Circuit Court, and Vistra subsidiaries filed a motion to intervene in support of the EPA in December 2020. Also, in November 2020, the EPA finalized a rule that would allow an alternative liner demonstration for certain qualifying facilities. In November 2020, we submitted an application for an alternate liner demonstration for one CCR unit at Martin Lake, however, we withdrew the application for an alternate liner demonstration in November 2023 after determining the pond was no longer needed for CCR. In August 2021, we submitted a request to transfer our conversion application for the Zimmer facility to a retirement application following the announcement that Zimmer will close by May 31, 2022. In January 2022, the EPA determined that our conversion and retirement applications for our CCR facilities were complete but has not yet proposed action on any of those applications. In addition, in January 2022, the EPA also made a series of public statements, including in a press release, that purported to impose new, more onerous closure requirements for CCR units. The EPA issued these new purported requirements without prior notice and without following the legal requirements for adopting new rules. These new purported requirements announced by the EPA are contrary to existing regulations and the EPA's prior positions. In April 2022, we, along with the Utility Solid Waste Activities Group (USWAG), a trade association of over 130 utility operating companies, energy companies, and certain other industry associations, filed petitions for review with the D.C. Circuit Court and have asked the court to determine that the EPA cannot implement or enforce the new purported requirements because the EPA has not followed the required procedures. The State of Texas and the TCEQ have intervened in support of the petitions filed by the Vistra subsidiaries and USWAG, and various environmental groups have intervened on behalf of the EPA. Briefing before the D.C. Circuit Court is complete and the court will hear argument in March 2024.

In May 2023, the EPA issued another proposal that further revises the federal CCR rule that would expand coverage of groundwater monitoring and closure requirements to the following two new categories of units: (a) legacy units which are CCR impoundments at inactive sites that ceased receiving waste before October 19, 2015 and (b) so-called "CCR management units" which generally could encompass areas of CCR located at a facility that is currently regulated by the existing CCR rule. CCR Management Units, as defined by the EPA in the proposal, could include any ash deposits, haul roads, and previously closed impoundments and landfills. As part of the proposed rule, the EPA identified 134 CCR management units at 82 different facilities across the country, including six of our potential units. The Vermilion ash ponds discussed below are the only unit which we believe qualify as a legacy CCR surface impoundment and given our closure plan for that site we do not believe this proposal, if finalized, will have any impact on this petition with that site. We are continuing to evaluate what would be complete by May required of the CCR management units identified in the proposal should the proposal become final in its current form. We submitted comments in July 2023.

MISO — In 2012, the Illinois Environmental Protection Agency (IEPA) issued violation notices alleging violations of groundwater standards onsite at our Baldwin and Vermilion facilities' CCR surface impoundments. These violation notices remain unresolved; however, in 2016, the IEPA approved our closure and post-closure care plans for the Baldwin old east, east, and west fly ash CCR surface impoundments. We have completed closure activities at those ponds at our Baldwin facility.

At our retired Vermilion facility, which was not potentially subject to the EPA's 2015 CCR rule until the aforementioned D.C. Circuit Court decision in August 2018, we submitted proposed corrective action plans involving closure of two CCR surface impoundments (i.e., the old east and the north impoundments) to the IEPA in 2012, and we submitted revised plans in 2014. In May 2017, in response to a request from the IEPA for additional information regarding the closure of these Vermilion surface impoundments, we agreed to perform additional groundwater sampling and closure options and riverbank stabilizing options. In May 2018, Prairie Rivers Network (PRN) filed a citizen suit in federal court in Illinois against Dynegy Midwest Generation, LLC (DMG), alleging violations of the Clean Water Act for alleged unauthorized discharges. In August 2018, we filed a motion to dismiss the lawsuit. In November 2018, the district court granted our motion to dismiss and judgment was entered in our favor. In June 2021, the Seventh Circuit Court affirmed the district court's dismissal of the lawsuit. In April 2019, PRN also filed a complaint against DMG before the IPCB, alleging that groundwater flows allegedly associated with the ash impoundments at the Vermilion site have resulted in exceedances both of surface water standards and Illinois groundwater standards dating back to 1992. We answered that complaint in July 2021. In July 2023, PRN filed an unopposed motion to voluntarily dismiss the case with prejudice, which the IPCB granted in August 2023 and this matter is currently abated, closed the case.

In 2012, the IEPA issued violation notices alleging violations of groundwater standards at the Newton and Coffeen facilities' CCR surface impoundments. We are addressing these CCR surface impoundments in accordance with the federal CCR rule. In June 2018, the IEPA issued a violation notice for alleged seep discharges claimed to be coming from the surface impoundments at our retired Vermilion facility, which is owned by our subsidiary DMG, and that notice was referred to the Illinois Attorney General. In June 2021, the Illinois Attorney General and the Vermilion County State Attorney filed a complaint in Illinois state court with an agreed interim consent order which the court subsequently entered. Given the violation notices and the enforcement action, the unique characteristics of the site, and the proximity of the site to the only national scenic river in Illinois, we agreed to enter into the interim consent order to resolve this matter. Per the terms of the agreed interim consent order, DMG is required to evaluate the closure alternatives under the requirements of the newly implemented Illinois Coal Ash regulation (discussed below) and close the site by removal. In addition, the interim consent order requires that during the impoundment closure process, impacted groundwater will be collected before it leaves the site or enters the nearby Vermilion river and, if necessary, DMG will be required to install temporary riverbank protection if the river migrates within a certain distance of the impoundments. The interim order was modified in December 2022 to require certain amendments to the Safety Emergency Response Plan. **In June 2023, the Illinois state court approved and entered the final consent order, which included the terms above and a requirement that when IEPA issues a final closure permit for the site, DMG will demolish the power station and submit for approval to construct an on-site landfill within the footprint of the former plant to store and manage the coal ash.** These proposed closure costs are reflected in the ARO in our consolidated balance sheets (see Note 20) 22).

In July 2019, coal ash disposal and storage legislation in Illinois was enacted. The legislation addresses state requirements for the proper closure of coal ash ponds in the state of Illinois. The law tasks the IEPA and the IPCB to set up a series of guidelines, rules and permit requirements for closure of ash ponds. Under the final rule, which was finalized and became effective in April 2021, coal ash impoundment owners would be required to submit a closure alternative analysis to the IEPA for the selection of the best method for coal ash remediation at a particular site. The rule does not mandate closure by removal at any site. In May 2021, we filed an appeal in the Illinois Fourth Judicial District over certain provisions of the final rule and that case remains pending. Other parties have also filed appeals of certain provisions of the final rule. In October 2021, we filed operating permit applications for 18 impoundments as required by the Illinois coal ash rule, and filed construction permit applications for three of our sites in January 2022 and five of our sites in July 2022. One additional closure construction application **will be was** filed for our Baldwin facility in **August 2023**.

For all of the above matters, if certain corrective action measures, including groundwater treatment or removal of ash, are required at any of our coal-fueled facilities, we may incur significant costs that could have a material adverse effect on our financial condition, results of operations and cash flows. The Illinois coal ash rule was finalized in April 2021 and does not require removal. However, the rule required us to undertake further site specific evaluations required by each program. We will not know the full range of decommissioning costs, including groundwater remediation, if any, that ultimately may be required under the Illinois rule until permit applications have been approved by the IEPA. However, the **currently anticipated** CCR surface impoundment and landfill closure costs **as currently** reflected in our existing ARO liabilities reflect the costs of closure methods that our operations and environmental services teams believe are appropriate **based on existing closure requirements** and protective of the environment for each location. **Once the IEPA acts on our permit applications, we will reassess the decommissioning costs and adjust our ARO liabilities accordingly.**

MISO 2015-2016 Planning Resource Auction

In May 2015, three complaints were filed at the FERC regarding the Zone 4 results for the 2015-2016 planning resource auction (PRA) conducted by MISO. Dynegy is a named party in one of the complaints. The complainants, Public Citizen, Inc., the Illinois Attorney General and Southwestern Electric Cooperative, Inc. (Complainants), challenged the results of the PRA as unjust and unreasonable, requested rate relief/refunds, and requested changes to the MISO planning resource auction structure going forward. Complainants also alleged that Dynegy may have engaged in economic or physical withholding in Zone 4 constituting market manipulation in the PRA. The Independent Market Monitor for MISO (MISO IMM), which was responsible for monitoring the PRA, determined that all offers were competitive and that no physical or economic withholding occurred. The MISO IMM also stated, in a filing responding to the complaints, that there is no basis for the remedies sought by the Complainants. We filed our answer to these complaints explaining that we complied fully with the terms of the MISO tariff in connection with the PRA and disputing the allegations. The Illinois Industrial Energy Consumers filed a related complaint at the FERC against MISO in June 2015 requesting prospective changes to the MISO tariff. Dynegy also responded to this complaint with respect to Dynegy's conduct alleged in the complaint.

In October 2015, the FERC issued an order of nonpublic, formal investigation (the investigation) into whether market manipulation or other potential violations of the FERC orders, rules and regulations occurred before or during the PRA.

In December 2015, the FERC issued an order on the complaints requiring a number of prospective changes to the MISO tariff provisions effective as of the 2016-2017 planning resource auction. The order did not address the arguments of the Complainants regarding the PRA and stated that those issues remained under consideration and would be addressed in a future order.

In July 2019, the FERC issued an order denying the remaining issues raised by the complaints and noted that the investigation into Dynegy was closed. The FERC found that Dynegy's conduct did not constitute market manipulation and the results of the PRA were just and reasonable because the PRA was conducted in accordance with MISO's tariff. A request for rehearing was denied by the FERC in March 2020. The order was appealed by Public Citizen, Inc. to the D.C. Circuit Court in May 2020, and Vistra, Dynegy and Illinois Power Marketing Company intervened in the case in June 2020. In August 2021, the D.C. Circuit Court issued a ruling denying Public Citizen, Inc.'s arguments that the FERC failed to meet its obligation to ensure just and reasonable rates because it did not review the prices resulting from the auction before those prices went into effect and that the FERC was arbitrary and capricious in failing to adequately explain its decision to close its investigation into whether Dynegy engaged in market manipulation. The D.C. Circuit Court of Appeals granted Public Citizen, Inc.'s petition in part finding that the FERC's decision that the auction results were just and reasonable solely because the auction process complied with the filed tariff was unreasoned and remanded the case back to the FERC for further proceedings on that issue. On February 4, 2022 the Illinois Attorney General and Public Citizen, Inc. filed a motion at the FERC requesting that the FERC on remand reverse its prior decision and either find that auction results were not just and reasonable and order Dynegy to pay refunds to Illinois or, in the alternative, initiate an evidentiary hearing and discovery. We filed a response to this motion and will continue to vigorously defend our position. In June 2022, the FERC issued an order on remand establishing paper hearing procedures and directing the Office of Enforcement to file a remand report within 90 days providing the Office of Enforcement's assessment of Dynegy's actions with regard to the 2015-2016 planning resource auction. Although the FERC directed the Office of Enforcement to file a remand report, the FERC stated in the June 2022 order that it is not reopening the Office of Enforcement investigation. In September 2022, the Office of Enforcement filed its remand report stating that the Office of Enforcement staff found during its investigation that Dynegy knowingly engaged in manipulative behavior to set the Zone 4 price in the 2015-

2016 PRA. **The** In June 2023, the Company **intends** filed its initial brief and response to the remand report, and in August 2023 the Company filed a reply **substantively** to this submission, and the initial briefs from other parties. We will continue to vigorously defend **its** position, consistent with the FERC's scheduling orders. **our position.**

Other Matters

We are involved in various legal and administrative proceedings and other disputes in the normal course of business, the ultimate resolutions of which, in the opinion of management, are not anticipated to have a material effect on our results of operations, liquidity or financial condition.

Labor Contracts

We employ certain personnel who are represented by labor unions, the terms of whose employment are governed by collective bargaining agreements. The terms of all current collective bargaining agreements covering represented personnel engaged in lignite mining operations, lignite-, coal-, natural gas- and nuclear-fueled generation operations, as well as some battery operations, expire on various dates between March **2023 2024** and **August 2025, March 2028**, but remain effective thereafter unless and until terminated by either party. While we cannot predict the outcome of labor contract negotiations, we do not expect any changes in our existing agreements to have a material adverse effect on our results of operations, liquidity or financial condition.

Nuclear Insurance

Nuclear insurance includes nuclear liability coverage, property damage, nuclear accident decontamination and accidental premature decommissioning coverage and accidental outage and/or extra expense coverage. We maintain nuclear insurance that meets or exceeds requirements promulgated by Section 170 (Price-Anderson) of the Atomic Energy Act (the Act) and Title 10 of the Code of Federal Regulations. We intend to maintain insurance against nuclear risks as long as such insurance is available. We are self-insured to the extent that losses (i) are within the policy deductibles, (ii) are not covered per policy exclusions, terms and limitations, (iii) exceed the amount of insurance maintained, or (iv) are not covered due to lack of insurance availability. Any such self-insured losses could have a material adverse effect on our results of operations, liquidity or financial condition.

With regard to nuclear liability coverage, the Act provides for financial protection for the public in the event of a significant nuclear generation plant incident. The Act sets the statutory limit of public liability for a single nuclear incident at **\$13.7 billion \$16.2 billion** and requires nuclear generation plant operators to provide financial protection for this amount. However, the U.S. Congress could impose revenue-raising measures on the nuclear industry to pay claims that exceed the **\$13.7 billion \$16.2 billion** limit for a single incident. As required, we insure against a possible nuclear incident at our Comanche Peak facility resulting in public nuclear-related bodily injury and property damage through a combination of private insurance and an industry-wide retrospective payment plan known as Secondary Financial Protection (SFP).

Under the SFP, in the event of any single nuclear liability loss in excess of \$450 million at any nuclear generation facility in the U.S., each operating licensed reactor in the U.S. is subject to an assessment of up to **\$137.6 million \$165.9 million**. This approximately **\$137.6 million \$165.9 million** maximum assessment is subject to increases for inflation every five years, with the next expected adjustment scheduled to occur by November **2023, 2028**. Assessments are currently limited to **\$20.5 million \$24.7 million** per operating licensed reactor per year per incident. As of **December 31, 2022 December 31, 2023**, our maximum potential assessment under the industry retrospective plan would be approximately **\$275 million \$331.8 million** per incident but no more than **\$41 million \$49.4 million** in any one year for each incident. The potential assessment is triggered by a nuclear liability loss in excess of \$450 million **per accident at any nuclear facility. Effective January 1, 2024, the potential assessment is triggered by a nuclear liability loss in excess of \$500 million per accident at any nuclear facility.**

The United States Nuclear Regulatory Commission (NRC) requires that nuclear generation plant license holders maintain at least \$1.06 billion of nuclear accident decontamination and reactor damage stabilization insurance, and requires that the proceeds thereof be used to place a plant in a safe and stable condition, to decontaminate a plant pursuant to a plan submitted to, and approved by, the NRC prior to using the proceeds for plant repair or restoration, or to provide for premature decommissioning. We maintain nuclear accident decontamination and reactor damage stabilization insurance for our Comanche Peak facility in the amount of \$2.25 billion and non-nuclear accident related property damage in the amount of \$1.0 billion (subject to a \$5 million deductible per accident except for natural hazards which are subject to a \$9.5 million deductible per accident), above which we are self-insured.

We also maintain Accidental Outage insurance to **help** cover the additional costs of obtaining replacement electricity from another source if one or both of the units at our Comanche Peak facility are out of service for more than twelve weeks as a result of covered direct physical damage. Such coverage provides for weekly payments per unit up to \$4.5 million for the first 52 weeks and up to \$3.6 million for **the a** remaining **26 weeks for non-nuclear and 71 weeks, weeks for nuclear property damage outages**. The total maximum coverage is \$328 million for non-nuclear property damage and \$490 million for nuclear property **damage. damage outages**. The coverage amounts applicable to each unit will be reduced to 80% if both units are out of service at the same time as a result of the same accident.

13. 15. EQUITY

Common Stock Issuances and Repurchases

Changes in the number of shares of common stock issued and outstanding for the years ended **December 31, 2022 December 31, 2023, 2021 2022** and **2020 2021** are reflected in the table below.

Shares	Treasury	Shares
Issued	Shares	Outstanding

Balance at December 31, 2019	528,741,335	(41,043,224)	487,698,111
Shares issued (a)	1,611,462	—	1,611,462
Shares retired	(3,685)	—	(3,685)

	Shares Issued		Shares Issued	Treasury Shares	Shares Outstanding
Balance at December 31, 2020	Balance at December 31, 2020	530,349,112	(41,043,224)		489,305,888
Shares issued (a)	Shares issued (a)	2,583,761	—		2,583,761
Shares retired	Shares retired	(3,397)	—		(3,397)
Shares repurchased (b)	Shares repurchased (b)	—	(27,988,518)		(27,988,518)
Balance at December 31, 2021	Balance at December 31, 2021	532,929,476	(69,031,742)		463,897,734
Shares issued (a)	Shares issued (a)	4,262,575	—		4,262,575
Shares retired	Shares retired	(12,979)	—		(12,979)
Shares repurchased (b)	Shares repurchased (b)	—	(78,470,547)		(78,470,547)
Balance at December 31, 2022	Balance at December 31, 2022	537,179,072	(147,502,289)		389,676,783
Shares issued (a)					
Shares retired					
Shares repurchased (b)					
Balance at December 31, 2023					

(a) Shares issued includes include share awards granted to nonemployee directors.

(b) Shares repurchased include 318,632, 78,087 and 5,174,863 of unsettled shares purchased as of December 31, 2022 December 31, 2023, 2022 and 2021, respectively.

Share Repurchase Programs

Current Share Repurchase Program — In October 2021, we announced that the Board authorized a share repurchase program (Share Repurchase Program) under which up to \$2.0 billion of our outstanding shares of common stock may be repurchased. The Share Repurchase Program became effective on October 11, 2021, at which time it superseded the 2020 Share Repurchase Program (described below) and any authorization remaining as of such date. In August 2022, March 2023 and February 2024, the Board authorized an incremental amounts of \$1.25 billion, \$1.0 billion and \$1.5 billion, respectively, for repurchases to bring the total authorized under the Share Repurchase Program to \$3.25 billion \$5.75 billion.

	\$3.25 Billion Board Authorization			
	Total Number of Shares Repurchased	Average Price Paid Per Share	Amount Paid for Shares Repurchased	Amount Available for Additional Repurchases at the End of the Period
Year Ended December 31, 2021	19,330,365	\$ 21.16	\$ 409	
Year Ended December 31, 2022	78,470,547	23.40	1,836	
Total repurchased through December 31, 2022 (a)	97,800,912	\$ 22.96	\$ 2,245	\$ 1,005
January 1, 2023 through February 23, 2023	8,824,640	22.72	201	

Total repurchased through February 23, 2023	106,625,552	\$ 22.94	\$ 2,446	\$ 804
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	\$5.75 Billion Board Authorization			
	Total Number of Shares	Average Price Paid	Amount Paid for Shares	Amount Available for
	Repurchased	Per Share	Repurchased	Additional Repurchases at the End of the Period
Year Ended December 31, 2021	19,330,365	\$ 21.16	\$ 409	
Year Ended December 31, 2022	78,470,547	\$ 23.40	\$ 1,836	
Year Ended December 31, 2023 (a)	44,994,499	27.89	1,255	
Total repurchased through December 31, 2023	142,795,411	\$ 24.51	\$ 3,500	\$ 750
January 1, 2024 through February 23, 2024	4,489,651	41.39	186	
Total repurchased through February 23, 2024 (b)	147,285,062	\$ 25.03	\$ 3,686	\$ 2,064

(a) Shares repurchased include 78,087 318,632 of unsettled shares repurchased for \$2 million \$12 million as of December 31, 2022 December 31, 2023.

(b) Amount available for additional repurchases at the end of the period includes additional \$1.5 billion authorization approved by the Board in February 2024.

Under the Share Repurchase Program, shares of the Company's common stock may be repurchased in open market transactions at prevailing market prices, in privately negotiated transactions, pursuant to plans complying with the Exchange Act, or by other means in accordance with federal securities laws. The actual timing, number and value of shares repurchased under the Share Repurchase Program or otherwise will be determined at our discretion and will depend on a number of factors, including our capital allocation priorities, the market price of our stock, general market and economic conditions, applicable legal requirements and compliance with the terms of our debt agreements and the certificate certificates of designation of the Series A Preferred Stock, and the Series B Preferred Stock and the Series C Preferred Stock, respectively.

Superseded Share Repurchase Program — In September 2020, we announced that the Board authorized a share repurchase program (2020 Share Repurchase Program) under which up to \$1.5 billion of our outstanding shares of common stock may be repurchased. The 2020 Share Repurchase Program was effective on January 1, 2021. In the year ended December 31, 2021, 8,658,153 shares of our common stock were repurchased under the 2020 Share Repurchase Program for approximately \$175 million at an average price of \$20.21 per share of common stock. The 2020 Share Repurchase Program was superseded by the Share Repurchase Program described above in October 2021.

Preferred Stock

On October 15, 2021 (Series A Issuance Date), we issued 1,000,000 shares of Series A Preferred Stock in a private offering (Series A Offering). The net proceeds of the Series A Offering were approximately \$990 million, after deducting underwriting commissions and offering expenses. We intend to use the net proceeds from the Series A Offering to repurchase shares of our outstanding common stock under the Share Repurchase Program (described above).

On December 10, 2021 (Series B Issuance Date), we issued 1,000,000 shares of Series B Preferred Stock in a private offering (Series B Offering). The net proceeds of the Series B Offering were approximately \$985 million, after deducting underwriting commissions and offering expenses. We intend to use the net proceeds from the Series B Offering to pay for or reimburse existing and new eligible renewable and battery ESS developments.

On December 29, 2023 (Series C Issuance Date), we issued 476,081 shares of Series C Preferred Stock (Series C Offering) in exchange for 74% of outstanding TRA rights (see Note 8). We recorded the issuance at fair value of \$476 million. In determining the fair value of the Series C Preferred Stock as of the issuance date, we utilized the market approach described in ASC 820, *Fair Value Measurement*, which considers relevant observable market information for comparable instruments and is classified as Level 2 in the fair value hierarchy.

The Series A Preferred Stock, the Series B Preferred Stock and the Series B C Preferred Stock are not convertible into or exchangeable for any other securities of the Company and have limited voting rights. The Series A Preferred Stock may be redeemed at the option of the Company at any time after the Series A First Reset Date (defined below) and in certain other circumstances prior to the Series A First Reset Date. The Series B Preferred Stock may be redeemed at the option of the Company at any time after the Series B First Reset Date (defined below) and in certain other circumstances prior to the Series B First Reset Date. The Series C Preferred Stock may be redeemed at the option of the Company at any time after the Series C First Reset Date (defined below) and in certain other circumstances prior to the Series C First Reset Date.

Dividends

Common Stock Dividends

In November 2018, Vistra announced the Board adopted a dividend program which we initiated in the first quarter of 2019. Each dividend under the program is subject to declaration by the Board and, thus, may be subject to numerous factors in existence at the time of any such declaration including, but not limited to, prevailing market conditions, Vistra's results of operations, financial condition and liquidity, Delaware law and any contractual limitations. Quarterly dividends **declared and** paid per share of common stock for the years ended **December 31, 2022** **December 31, 2023**, **2021** **2022** and **2020** **2021** are reflected in the table below.

Year Ended December 31, 2022			Year Ended December 31, 2021			Year Ended December 31, 2020		
Board Declaration Date	Payment Date	Per Share Amount	Board Declaration Date	Payment Date	Per Share Amount	Board Declaration Date	Payment Date	Per Share Amount
February 2022	March 2022	\$ 0.170	February 2021	March 2021	\$ 0.150	February 2020	March 2020	\$ 0.135
May 2022	June 2022	\$ 0.177	April 2021	June 2021	\$ 0.150	April 2020	June 2020	\$ 0.135
July 2022	September 2022	\$ 0.184	July 2021	September 2021	\$ 0.150	July 2020	September 2020	\$ 0.135
October 2022	December 2022	\$ 0.193	October 2021	December 2021	\$ 0.150	October 2020	December 2020	\$ 0.135

Year Ended December 31, 2023			Year Ended December 31, 2022			Year Ended December 31, 2021		
Board Declaration Date	Payment Date	Per Share Amount	Board Declaration Date	Payment Date	Per Share Amount	Board Declaration Date	Payment Date	Per Share Amount
February 2023	March 2023	\$ 0.198	February 2022	March 2022	\$ 0.170	February 2021	March 2021	\$ 0.150
May 2023	June 2023	\$ 0.204	May 2022	June 2022	\$ 0.177	April 2021	June 2021	\$ 0.150
August 2023	September 2023	\$ 0.206	July 2022	September 2022	\$ 0.184	July 2021	September 2021	\$ 0.150
November 2023	December 2023	\$ 0.213	October 2022	December 2022	\$ 0.193	October 2021	December 2021	\$ 0.150

In February **2023, 2024**, the Board declared a quarterly dividend of **\$0.1975** **\$0.215** per share of common stock that will be paid in March **2023, 2024**.

Preferred Stock Dividends

The annual dividend rate on each share of Series A Preferred Stock is 8.0% from the Series A Issuance Date to, but excluding October 15, 2026 (Series A First Reset Date). On and after the Series A First Reset Date, the dividend rate on each share of Series A Preferred Stock shall equal the five-year U.S. Treasury rate as of the most recent reset dividend determination date (subject to a floor of 1.07%), plus a spread of 6.93% per annum. The Series A Preferred Stock has a liquidation preference of \$1,000 per share, plus accumulated but unpaid dividends. Cumulative cash dividends on the Series A Preferred Stock are payable semiannually, in arrears, on each April 15 and October 15, commencing on April 15, 2022, when, as and if declared by the Board.

The annual dividend rate on each share of Series B Preferred Stock is 7.0% from the Series B Issuance Date to, but excluding December 15, 2026 (Series B First Reset Date). On and after the Series B First Reset Date, the dividend rate on each share of Series B Preferred Stock shall equal the five-year U.S. Treasury rate as of the most recent reset dividend determination date (subject to a floor of 1.26%), plus a spread of 5.74% per annum. The Series B Preferred Stock has a liquidation preference of \$1,000 per share, plus accumulated but unpaid dividends. Cumulative cash dividends on the Series B Preferred Stock are payable semiannually, in arrears, on each June 15 and December 15, commencing on June 15, 2022, when, as and if declared by the Board.

The annual dividend rate on each share of Series C Preferred Stock is 8.875% from the Series C Issuance Date to, but excluding January 15, 2029 (Series C First Reset Date). On and after the Series C First Reset Date, the dividend rate on each share of Series C Preferred Stock shall equal the five-year U.S. Treasury rate as of the most recent reset dividend determination date (subject to a floor of 3.83%), plus a spread of 5.045% per annum. The Series C Preferred Stock has a liquidation preference of \$1,000 per share, plus accumulated but unpaid dividends. Cumulative cash dividends on the Series C Preferred Stock are payable semiannually, in arrears, on each July 15 and January 15, commencing on July 15, 2024, when, as and if declared by the Board.

Semiannual dividends **declared and** paid per share of each respective preferred stock series for the **year** years ended **December 31, 2022** **December 31, 2023** and **2022** are reflected in the table below. Dividends payable are recorded on **board** **the Board** declaration date.

Year Ended December 31, 2022		
Board Declaration Date	Payment Date	Per Share Amount
Series A Preferred Stock:		
February 2022	April 2022	\$ 40.00
July 2022	October 2022	\$ 40.00
Series B Preferred Stock:		
May 2022	June 2022	\$ 35.97
October 2022	December 2022	\$ 35.00

Year Ended December 31, 2023			Year Ended December 31, 2022		
Board Declaration Date	Payment Date	Per Share Amount	Board Declaration Date	Payment Date	Per Share Amount
Series A Preferred Stock:			Series A Preferred Stock:		
February 2023	April 2023	\$ 40.00	February 2022	April 2022	\$ 40.00
August 2023	October 2023	\$ 40.00	July 2022	October 2022	\$ 40.00
Series B Preferred Stock:			Series B Preferred Stock:		
May 2023	June 2023	\$ 35.00	May 2022	June 2022	\$ 35.97
November 2023	December 2023	\$ 35.00	October 2022	December 2022	\$ 35.00

In February 2023, 2024, the Board declared a semi-annual dividend of \$40.00 per share of Series A Preferred Stock that will be paid in April 2023, 2024.

Dividend Restrictions

The Vistra Operations Credit Agreement generally restricts the ability of Vistra Operations to make distributions to any direct or indirect parent unless such distributions are expressly permitted thereunder. As of December 31, 2022, December 31, 2023, Vistra Operations can distribute approximately \$4.2 billion \$6.3 billion to Parent under the Vistra Operations Credit Agreement without the consent of any party. The amount that can be distributed by Vistra Operations to Parent was partially reduced by distributions made by Vistra Operations to Parent of approximately \$1.775 billion \$1.625 billion, \$405 million \$1.775 billion and \$1.1 billion \$405 million during the years ended December 31, 2022, December 31, 2023, 2021, 2022 and 2020, 2021, respectively. Additionally, Vistra Operations may make distributions to Parent in amounts sufficient for Parent to make any payments required under the TRA or the Tax Matters Agreement or, to the extent arising out of Parent's ownership or operation of Vistra Operations, to pay any taxes or general operating or corporate overhead expenses. As of December 31, 2022, December 31, 2023, all of the restricted net assets of Vistra Operations may be distributed to Parent.

In addition to the restrictions under the Vistra Operations Credit Agreement, under applicable Delaware law, we are only permitted to make distributions either out of "surplus," which is defined as the excess of our net assets above our capital (the aggregate par value of all outstanding shares of our stock), or out of net profits for the fiscal year in which the distribution is declared or the prior fiscal year.

Under the terms of the Series A Preferred Stock, the Series B Preferred Stock, and the Series B C Preferred Stock, unless full cumulative dividends have been or contemporaneously are being paid or declared and a sum sufficient for the payment thereof set apart for payment on all outstanding Series A Preferred Stock (and any parity securities), Series B Preferred Stock (and any parity securities), and Series B C Preferred Stock (and any parity securities), respectively, with respect to dividends through the most recent dividend payment dates, (i) no dividend may be declared or paid or set apart for payment on any junior security (other than a dividend payable solely in junior securities with respect to both dividends and the liquidation, winding-up and dissolution of our affairs), including our common stock, and (ii) we may not redeem, purchase or otherwise acquire any parity security or junior security, including our common stock, in each case subject to certain exceptions as described in the certificate of designation of the Series A Preferred Stock, the Series B Preferred Stock, and the Series B C Preferred Stock, respectively.

Accumulated Other Comprehensive Income

During the years ended December 31, 2022, December 31, 2023, 2021, 2022 and 2020, 2021, we recorded changes in the funded status of our pension and other postretirement employee benefit liability totaling \$5 million, \$(23) million and \$(24) million, and \$23 million, respectively. During the years ended December 31, 2022, December 31, 2023, 2022 and 2021, \$(4) million, zero and 2020, zero, \$(8) million and \$(5) million respectively was reclassified from accumulated other comprehensive income and reported in other deductions.

Warrants

At the Dynegy Merger Date, the Company entered into an agreement whereby the holder of each outstanding warrant previously issued by Dynegy would be entitled to receive, upon paying an exercise price of \$35.00 (subject to adjustment from time to time), the number of shares of Vistra common stock that such holder would have been entitled to receive if it had held one share of Dynegy common stock at the closing of the Dynegy Merger, or 0.652 shares of Vistra common stock. Accordingly, upon exercise, a warrant holder would effectively pay \$53.68 (subject to adjustment of the exercise price from time to time) per share of Vistra common stock received. In January 2022, in accordance with the terms of the warrant agreement, the exercise price of each warrant was adjusted downward to \$34.00 (subject to further adjustment from time to time), or \$52.15 (subject to adjustment of the exercise price from time to time) per share of Vistra common stock received. As of December 31, 2022, nine million warrants expiring in 2024 were outstanding.

The warrants were included in equity based on their fair value at the Dynegy Merger Date. As of December 31, 2023, total warrants outstanding was approximately nine million, and they expired in February 2024.

14.16. FAIR VALUE MEASUREMENTS

We utilize several different valuation techniques to measure the fair value of assets and liabilities, relying primarily on the market approach of using prices and other market information for identical and/or comparable assets and liabilities for those items that are measured on a recurring basis. We use a mid-market valuation convention (the mid-point price between bid and ask prices) as a practical expedient to measure fair value for the majority of our assets and liabilities and use valuation techniques to maximize the use of observable inputs and minimize the use of unobservable inputs. Our valuation policies and procedures were developed, maintained and validated by a centralized risk management group that reports to the Vistra Chief Financial Officer.

Fair value measurements of derivative assets and liabilities incorporate an adjustment for credit-related nonperformance risk. These nonperformance risk adjustments take into consideration master netting arrangements, credit enhancements and the credit risks associated with our credit standing and the credit standing of our counterparties (see Note 15 17 for additional information regarding credit risk associated with our derivatives). We utilize credit ratings and default rate factors in calculating these fair value measurement adjustments.

We categorize our assets and liabilities recorded at fair value based upon the following fair value hierarchy:

- Level 1 valuations use quoted prices in active markets for identical assets or liabilities that are accessible at the measurement date. Our Level 1 assets and liabilities include CME or ICE (electronic commodity derivative exchanges) futures and options transacted through clearing brokers for which prices are actively quoted. We report the fair value of CME and ICE transactions without taking into consideration margin deposits, with the exception of certain margin amounts related to changes in fair value on certain CME transactions that are legally characterized as settlement of derivative contracts rather than collateral.
- Level 2 valuations utilize over-the-counter broker quotes, quoted prices for similar assets or liabilities that are corroborated by correlations or other mathematical means, and other valuation inputs such as interest rates and yield curves observable at commonly quoted intervals. We attempt to obtain multiple quotes from brokers that are active in the markets in which we participate and require at least one quote from two brokers to determine a pricing input as observable. The number of broker quotes received for certain pricing inputs varies depending on the depth of the trading market, each individual broker's publication policy, recent trading volume trends and various other factors.
- Level 3 valuations use unobservable inputs for the asset or liability. Unobservable inputs are used to the extent observable inputs are not available, thereby allowing for situations in which there is little, if any, market activity for the asset or liability at the measurement date. We use the most meaningful information available from the market combined with internally developed valuation methodologies to develop our best estimate of fair value. Significant unobservable inputs used to develop in the valuation models include volatility curves, correlation curves, illiquid pricing delivery periods and locations and credit-related nonperformance risk assumptions. These inputs and valuation models are developed and maintained by employees trained and experienced in market operations and fair value measurements and validated by the Company's risk management group.

With respect to amounts presented in the following The fair value input hierarchy tables, the fair value measurement of level to which an asset or liability (e.g., a contract) is required to fall measurement in its entirety in one level, falls is determined based on the lowest level input that is significant to the fair value measurement.

Assets and liabilities measured at fair value on a recurring basis consisted of the following at the respective balance sheet dates shown below:

		December 31, 2022					December 31, 2021				
		Level 1	Level 2	Level 3 (a)	Reclass (b)	Total	Level 1	Level 2	Level 3 (a)	Reclass (b)	Total
		1	2	3 (a)	(b)	Total	1	2	3 (a)	(b)	Total
		December 31, 2023					December 31, 2023				
		Level 1					Level 1	Level 2	Level 3 (a)	Reclass (b)	Total
		1	2	3 (a)	(b)	Total	1	2	3 (a)	(b)	Total
Assets:	Assets:										
Commodity contracts	Commodity contracts										
Commodity contracts	Commodity contracts										
Commodity contracts	Commodity contracts	\$3,512	\$ 789	\$ 791	\$ 13	\$5,105	\$1,408	\$ 889	\$442	\$ 5	\$2,744
Interest rate swaps	Interest rate swaps	—	135	—	—	135	—	19	—	—	19
Nuclear decommissioning trust – equity securities (c)	Nuclear decommissioning trust – equity securities (c)	532	—	—	—	532	724	—	—	—	724

Nuclear decommissioning trust – debt securities (c)	Nuclear decommissioning trust – debt securities (c)	—	658	—	—	658	—	679	—	—	679
Sub-total	Sub-total	<u>\$4,044</u>	<u>\$1,582</u>	<u>\$ 791</u>	<u>\$ 13</u>	<u>6,430</u>	<u>\$2,132</u>	<u>\$1,587</u>	<u>\$442</u>	<u>\$ 5</u>	<u>4,166</u>
Assets measured at net asset value (d):	Assets measured at net asset value (d):										
Nuclear decommissioning trust – equity securities (c)	Nuclear decommissioning trust – equity securities (c)					458					557
Nuclear decommissioning trust – equity securities (c)											
Nuclear decommissioning trust – equity securities (c)											
Total assets	Total assets					<u>\$6,888</u>					<u>\$4,723</u>
Liabilities:	Liabilities:										
Commodity contracts	Commodity contracts	\$5,297	\$ 933	\$2,010	\$ 13	\$8,253	\$2,153	\$ 650	\$802	\$ 5	\$3,610
Commodity contracts											
Commodity contracts											
Interest rate swaps	Interest rate swaps	—	83	—	—	83	—	217	—	—	217
Total liabilities	Total liabilities	<u>\$5,297</u>	<u>\$1,016</u>	<u>\$2,010</u>	<u>\$ 13</u>	<u>\$8,336</u>	<u>\$2,153</u>	<u>\$ 867</u>	<u>\$802</u>	<u>\$ 5</u>	<u>\$3,827</u>

- (a) See table below for description of Level 3 assets and liabilities.
- (b) Fair values for each level are determined on a contract basis, but certain contracts result are in a current both an asset and a noncurrent liability or vice versa, as position. This reclassification represents the adjustment needed to reconcile to the gross amounts presented in on our consolidated balance sheets. sheet.
- (c) The nuclear decommissioning trust investment is included in the investments line in our consolidated balance sheets. See Note 20, 22.
- (d) The fair value amounts presented in this line are intended to permit reconciliation of the fair value hierarchy to the amounts presented in our consolidated balance sheets. Certain investments measured at fair value using the net asset value per share (or its equivalent) have not been classified in the fair value hierarchy. Net asset value as a practical expedient is the classification used for assets that do not have readily determinable fair values.

Commodity contracts consist primarily of natural gas, electricity, coal and emissions agreements and include financial instruments entered into for economic hedging purposes as well as physical contracts that have not been designated as NPNS. Interest rate swaps are used to reduce exposure to interest rate changes by converting floating-rate interest to fixed rates. See Note 15 17 for further discussion regarding derivative instruments.

Nuclear decommissioning trust assets represent securities held for the purpose of funding the future retirement and decommissioning of our nuclear generation facility. These investments include equity, debt and other fixed-income securities consistent with investment rules established by the NRC and the PUCT.

The following tables present the fair value of the Level 3 assets and liabilities by major contract type and the significant unobservable inputs used in the valuations at December 31, 2022 December 31, 2023 and 2021; 2022:

Fair Value											
December 31, 2023											
Fair Value											
Contract Type (a)											
Contract Type (a)											
Contract Type	Contract Type	Assets	Liabilities	Total	Valuation Technique	Significant Unobservable Input	Range (b)		Average (b)		
(a)	(a)										Assets Liabilities
Electricity purchases	Electricity purchases	\$603	\$(1,332)	\$ (729)	Income Approach	Hourly price curve shape (c)	\$ —	to \$80	\$	38	

and sales	and sales							MWh		Electricity purchases and sales	
						Illiquid delivery periods for hub power prices	\$ 25	to \$95		\$ 60	
						Illiquid delivery periods for hub power prices and Heat Rates (d)		MWh			
Options	Options	—	(483)	(483)	Option Pricing Model	Gas to power correlation (e)	10 %	to 100 %	56 %	Options	1 (237) (237)
						Power and gas volatility (e)	5 %	to 620 %	313 %		
Financial transmission rights	Financial transmission rights	132	(31)	101	Market Approach (f)	Illiquid price differences between settlement points (g)	\$(35)	to \$10	\$ (11)		
Natural gas	Natural gas	20	(155)	(135)	Income Approach	Gas basis and illiquid delivery periods (h)	\$ —	to \$30	\$ 13		
Coal		21	(1)	20	Income Approach	Probability of default (i)	— %	to 40 %	20%		
						Recovery rate (j)	— %	to 40 %	20%		
						Illiquid delivery periods (i)		MMBtu			
Other (k)		15	(8)	7							
Other (j)											
Other (j)											
Other (j)											
Total	Total	\$791	\$(2,010)	\$(1,219)							
	Total										
	Total										

Fair Value										December 31, 2022				
December 31, 2022										December 31, 2022				
Fair Value										December 31, 2022				
Contract Type (a)										December 31, 2022				
Contract Type (a)										December 31, 2022				
Contract Type (a)	Contract Type (a)	Assets	Liabilities	Total	Valuation Technique	Significant Unobservable Input	Range (b)			Average (b)	Assets	Liabilities	Total	
Electricity purchases and sales	Electricity purchases and sales	\$204	\$ (470)	\$(266)	Income Approach	Hourly price curve shape (c)	\$ — to \$ 60 MWh			\$30				
						Illiquid	\$ 20 to \$140			\$80				

(c) Primarily based on the historical range of forward average hourly ERCOT North Hub and ERCOT South and West Zone prices.

(d) Primarily based on historical forward ERCOT and PJM power prices and ERCOT heat rate Heat Rate variability.

(e) Primarily based on the historical forward correlation and volatility within ERCOT and PJM.

(f) While we use the market approach, there is insufficient market data to consider the valuation liquid.

(g) Primarily based on the historical price differences between settlement points within ERCOT hubs and load zones.

(h) Primarily based on the historical forward PJM and Northeast natural gas basis prices and fixed prices.

(i) Estimate of the range of probabilities of default Primarily based on past experience, the length of the contract, and both the Company's and the counterparty's credit ratings. historical forward natural gas fixed prices.

(j) Estimate of the default recovery rate based on historical corporate rates.

(k) Other includes contracts for coal and environmental allowances.

There were no transfers between Level 1 and Level 2 of the fair value hierarchy for the years ended December 31, 2022 December 31, 2023, 2021 2022 and 2020, 2021. See the table below for discussion of transfers between Level 2 and Level 3 for the years ended December 31, 2022 December 31, 2023, 2021 2022 and 2020, 2021.

The following table presents the changes in fair value of the Level 3 assets and liabilities for the years ended December 31, 2022 December 31, 2023, 2021 2022 and 2020, 2021.

	Year Ended December 31,		
	2022	2021	2020
Net asset (liability) balance at beginning of period	\$ (360)	\$ 22	\$ (74)
Total unrealized valuation losses (a)	(1,382)	(53)	(5)
Purchases, issuances and settlements (b):			
Purchases	185	114	164
Issuances	(62)	(36)	(28)
Settlements	345	(314)	(90)
Transfers into Level 3 (c)	(30)	(2)	(2)
Transfers out of Level 3 (c)	85	(91)	57
Net change (d)	(859)	(382)	96
Net asset (liability) balance at end of period	\$ (1,219)	\$ (360)	\$ 22
Unrealized valuation gains (losses) relating to instruments held at end of period	\$ (977)	\$ (364)	\$ 18

	Year Ended December 31,		
	2023	2022	2021
Net asset (liability) balance at beginning of period	\$ (1,219)	\$ (360)	\$ 22
Total unrealized valuation losses	(765)	(1,382)	(53)
Purchases, issuances and settlements (a):			
Purchases	222	185	114
Issuances	(30)	(62)	(36)
Settlements	136	345	(314)
Transfers into Level 3 (b)	(48)	(30)	(2)
Transfers out of Level 3 (b)	660	85	(91)
Net change (c)	175	(859)	(382)
Net (liability) balance at end of period	\$ (1,044)	\$ (1,219)	\$ (360)
Unrealized valuation losses relating to instruments held at end of period	\$ (676)	\$ (977)	\$ (364)

(a) For the years ended December 31, 2022 and 2021, Retail segment includes unrealized net losses of \$901 million and \$341 million, respectively, due to the discontinuance of NPNS accounting on retail electric contract portfolios in the second quarter of 2022 and the third quarter of 2021 where physical settlement is no longer considered probable throughout the contract term.

- (b) Settlements reflect reversals of unrealized mark-to-market valuations previously recognized in net income. Purchases and issuances reflect option premiums paid or received, including CRRs and FTRs.
- (c) (b) Includes transfers due to changes in the observability of significant inputs. All Level 3 transfers during the periods presented are in and out of Level 2. For the year ended December 31, 2023, transfers into Level 3 primarily consist of power derivatives where forward pricing inputs have become unobservable and transfers out of Level 3 primarily consist of power and coal derivatives where forward pricing inputs have become observable. For the year ended December 31, 2022, transfers into Level 3 primarily consist of power and coal derivatives where forward pricing inputs have become unobservable and transfers out of Level 3 primarily consist of power, natural gas, and coal derivatives where forward pricing inputs have become observable. For the year ended December 31, 2021, transfers out of Level 3 primarily consist of gas and power derivatives where forward pricing inputs have become observable.
- (d) (c) Activity excludes change in fair value in the month positions settle. Substantially all changes in values of commodity contracts are reported as operating revenues in our consolidated statements of operations.

15.17. COMMODITY AND OTHER DERIVATIVE CONTRACTUAL ASSETS AND LIABILITIES

Strategic Use of Derivatives

We transact in derivative instruments, such as options, swaps, futures and forward contracts, to manage our exposure to commodity price and interest rate risk, volatility. Although we do engage in economic hedging activities to manage our exposure related to commodity price fluctuations through the use of financial and physical derivative contracts, we have no derivative positions accounted for as cash flow or fair value hedges as of December 31, 2023 and 2022. All changes in the fair values of our derivative contracts are recognized as gains or losses in the earnings of the periods in which they occur. See Note 14.16 for a discussion of the fair value of derivatives.

Commodity Hedging and Trading Activity

We utilize natural gas and electricity derivatives to reduce exposure to changes in electricity prices primarily to hedge future revenues from electricity sales from our generation assets and to hedge future purchased power costs for our retail operations. We also utilize short-term electricity, natural gas, coal and emissions derivative instruments for fuel hedging and other purposes. Counterparties to these transactions include energy companies, financial institutions, electric utilities, independent power producers, fuel oil and natural gas producers, local distribution companies and energy marketing companies. Unrealized gains and losses arising from changes in the fair value of derivative instruments as well as realized gains and losses upon settlement of the instruments are reported in our consolidated statements of operations in operating revenues and fuel, purchased power costs and delivery fees.

Interest Rate Swaps

Interest rate swap agreements are used to reduce exposure to interest rate changes by converting floating-rate interest rates to fixed rates, thereby hedging future interest costs and related cash flows. Unrealized gains and losses arising from changes in the fair value of the swaps as well as realized gains and losses upon settlement of the swaps are reported in our consolidated statements of operations in interest expense and related charges. During 2019, Vistra entered into \$2.12 billion of new See Note 12 for details on our interest rate swaps pursuant to which Vistra will pay a variable rate and receive a fixed rate. The terms outstanding as of these new swaps were matched against the terms of certain existing swaps, effectively offsetting the hedge of the existing swaps and fixing the out-of-the-money position of such swaps. These matched swaps will settle over time, in accordance with the original contractual terms. The remaining existing swaps continue to hedge our exposure on \$2.30 billion of debt through July 2026, December 31, 2023.

Financial Statement Effects of Derivatives

Substantially all derivative contractual assets and liabilities are accounted for under mark-to-market accounting consistent with accounting standards related to derivative instruments and hedging activities. The following tables provide detail of derivative contractual assets and liabilities as reported in our consolidated balance sheets at December 31, 2022 December 31, 2023 and 2021, 2022. Derivative asset and liability totals represent the net value of the contract, while the balance sheet totals represent the gross value of the contract. During the years ended December 31, 2022 and 2021, net losses of \$544 million and \$298 million, respectively, were recognized in operating revenues due to the discontinuance of NPNS accounting on retail electric contract portfolios in the second quarter of 2022 and the third quarter of 2021 where physical settlement is no longer considered probable throughout the contract term. These amounts are reflected in commodity contracts derivative liabilities as of December 31, 2022 and 2021.

	December 31, 2023				
	Derivative Assets		Derivative Liabilities		Total
	Commodity Contracts	Interest Rate Swaps	Commodity Contracts	Interest Rate Swaps	
Current assets	\$ 3,585	\$ 53	\$ 7	\$ —	\$ 3,645
Noncurrent assets	565	11	1	—	577
Current liabilities	(1)	—	(5,233)	(24)	(5,258)
Noncurrent liabilities	(5)	—	(1,659)	(24)	(1,688)
Net assets (liabilities)	\$ 4,144	\$ 64	\$ (6,884)	\$ (48)	\$ (2,724)

	December 31, 2022				
	Derivative Assets		Derivative Liabilities		Total
	Commodity Contracts	Interest Rate Swaps	Commodity Contracts	Interest Rate Swaps	
Current assets	\$ 4,442	\$ 92	\$ 4	\$ —	\$ 4,538

Noncurrent assets	656	43	3	—	702
Current liabilities	(1)	—	(6,562)	(47)	(6,610)
Noncurrent liabilities	(5)	—	(1,685)	(36)	(1,726)
Net assets (liabilities)	\$ 5,092	\$ 135	\$ (8,240)	\$ (83)	\$ (3,096)

	December 31, 2021				
	Derivative Assets		Derivative Liabilities		Total
	Commodity Contracts	Interest Rate Swaps	Commodity Contracts	Interest Rate Swaps	
Current assets	\$ 2,496	\$ 14	\$ 3	\$ —	\$ 2,513
Noncurrent assets	244	5	1	—	250
Current liabilities	—	—	(2,964)	(59)	(3,023)
Noncurrent liabilities	(1)	—	(645)	(158)	(804)
Net assets (liabilities)	\$ 2,739	\$ 19	\$ (3,605)	\$ (217)	\$ (1,064)

As of December 31, 2022 and 2021, there were no derivative positions accounted for as cash flow or fair value hedges.

The following table presents the pre-tax effect of derivative gains (losses) on net income, including realized and unrealized effects. Amount represents changes in fair value of positions in the derivative portfolio during the period, as realized amounts related to positions settled are assumed to equal reversals of previously recorded unrealized amounts.

Derivative (consolidated statements of operations presentation)	Year Ended December 31,		
	2022	2021	2020
Commodity contracts (Operating revenues)	\$ (4,103)	\$ (1,196)	\$ 241
Commodity contracts (Fuel, purchased power costs and delivery fees)	375	732	4
Interest rate swaps (Interest expense and related charges)	234	81	(196)
Net gain (loss)	\$ (3,494)	\$ (383)	\$ 49

Derivative (consolidated statements of operations presentation)	Year Ended December 31,		
	2023	2022	2021
Commodity contracts (Operating revenues) (a)	\$ (758)	\$ (4,103)	\$ (1,196)
Commodity contracts (Fuel, purchased power costs and delivery fees) (b)	(395)	375	732
Interest rate swaps (Interest expense and related charges) (c)	42	234	81
Net gain (loss)	\$ (1,111)	\$ (3,494)	\$ (383)

- (a) For the year ended December 31, 2023, includes unrealized net gains from mark-to-market valuations of commodity positions of \$714 million. For the years ended December 31, 2022 and 2021, includes unrealized net losses from mark-to-market valuations of commodity positions of \$2.163 billion and \$1.191 billion, respectively.
- (b) For the years ended December 31, 2023 and 2022, includes unrealized net losses from mark-to-market valuations of commodity positions of \$224 million and \$347 million, respectively. For the year ended December 31, 2021, includes unrealized net gains from mark-to-market valuations of commodity positions of \$432 million.
- (c) For the year ended December 31, 2023, includes unrealized net losses on mark-to-market valuations of interest rate swaps of \$36 million. For the years ended December 31, 2022 and 2021, includes unrealized gains on mark-to-market valuations of interest rate swaps of \$250 million and \$134 million, respectively.

Balance Sheet Presentation of Derivatives

We elect to report derivative assets and liabilities in our consolidated balance sheets on a gross basis without taking into consideration netting arrangements we have with counterparties to those derivatives. We maintain standardized master netting agreements with certain counterparties that allow for the right to offset assets and liabilities and collateral in order to reduce credit exposure between us and the counterparty. These agreements contain specific language related to margin requirements, monthly settlement netting, cross-commodity netting and early termination netting, which is negotiated with the contract counterparty.

Generally, margin deposits that contractually offset these derivative instruments are reported separately in our consolidated balance sheets, with the exception of certain margin amounts related to changes in fair value on CME transactions that are legally characterized as settlement of forward exposure rather than collateral. Margin deposits received from counterparties are primarily used for working capital or other general corporate purposes.

The following tables reconcile our derivative assets and liabilities on a contract basis to net amounts after taking into consideration netting arrangements with counterparties and financial collateral:

		December 31, 2022				December 31, 2021			
				Cash Collateral				Cash Collateral	
		Derivative Assets and Liabilities	Offsetting Instruments (a)	Pledged (b)	Net Amounts	Derivative Assets and Liabilities	Offsetting Instruments (a)	Pledged (b)	Net Amounts
		December 31, 2023				December 31, 2023			
		Derivative Assets and Liabilities				Derivative Assets and Liabilities			
Derivative assets:	Derivative assets:								
Commodity contracts	Commodity contracts								
Commodity contracts	Commodity contracts								
Commodity contracts	Commodity contracts	\$ 5,092	\$ (4,480)	\$ (20)	\$ 592	\$ 2,739	\$ (2,051)	\$ (27)	\$ 661
Interest rate swaps	Interest rate swaps	135	(64)	—	71	19	(19)	—	—
Total derivative assets	Total derivative assets	5,227	(4,544)	(20)	663	2,758	(2,070)	(27)	661
Derivative liabilities:	Derivative liabilities:								
Commodity contracts	Commodity contracts	(8,240)	4,480	1,675	(2,085)	(3,605)	2,051	784	(770)
Commodity contracts	Commodity contracts								
Commodity contracts	Commodity contracts								
Interest rate swaps	Interest rate swaps	(83)	64	—	(19)	(217)	19	—	(198)
Total derivative liabilities	Total derivative liabilities	(8,323)	4,544	1,675	(2,104)	(3,822)	2,070	784	(968)
Net amounts	Net amounts	\$ (3,096)	\$ —	\$ 1,655	\$ (1,441)	\$ (1,064)	\$ —	\$ 757	\$ (307)

(a) Amounts presented exclude trade accounts receivable and payable related to settled financial instruments.

(b) Represents cash amounts received or pledged pursuant to a master netting arrangement, including fair value-based margin requirements, and, to a lesser extent, initial margin requirements.

Derivative Volumes

The following table presents the gross notional amounts of derivative volumes at December 31, 2022 by commodity, excluding those derivatives that qualified for the NPNS or other scope exceptions permitted by ASC 815, *Derivatives and 2021: Hedging* as of December 31, 2023 and 2022:

		December 31, 2022	December 31, 2021
		December 31, 2023	
Derivative type			
Derivative type			
Derivative type	Derivative type	Notional Volume	Unit of Measure
		Notional Volume	Unit of Measure

Natural gas (a)	Natural gas (a)	6,007	4,701	MMBtu	Natural gas (a)	5,335	6,007	6,007	Million MMBtu	Million MMBtu
Electricity	Electricity	754,762	440,236	GWh	Electricity	800,001	754,762	754,762	GWh	GWh
Financial transmission rights (b)	Financial transmission rights (b)	225,845	224,876	GWh	Financial transmission rights (b)	250,895	225,845	225,845	GWh	GWh
Coal	Coal	48	25	U.S. tons	Coal	35	48	48	Million U.S. tons	Million U.S. tons
Fuel oil	Fuel oil	105	87	gallons	Fuel oil	3	105	105	Million gallons	Million gallons
Emissions	Emissions	40	18	tons						
Emissions										
Emissions										
						24		40	Million U.S. tons	
Renewable energy certificates	Renewable energy certificates	31	32	certificates	Renewable energy certificates	29	31	31	Million certificates	Million certificates
Interest rate swaps – variable/fixed (c)	Interest rate swaps – variable/fixed (c)	\$ 6,720	\$ 6,720	U.S. dollars	Interest rate swaps – variable/fixed (c)	\$ 5,225	\$	\$ 6,720	Million U.S. dollars	Million U.S. dollars
Interest rate swaps - fixed/variable (c)	Interest rate swaps - fixed/variable (c)	\$ 2,120	\$ 2,120	U.S. dollars	Interest rate swaps - fixed/variable (c)	\$ 1,300	\$	\$ 2,120	Million U.S. dollars	Million U.S. dollars

(a) Represents gross notional forward sales, purchases and options transactions, locational basis swaps and other natural gas transactions.

(b) Represents gross forward purchases associated with instruments used to hedge electricity price differences between settlement points within regions.

(c) Includes notional amounts of interest rate swaps with maturity dates through **July 2026**. **December 2030**.

Credit Risk-Related Contingent Features of Derivatives

Our derivative contracts may contain certain credit risk-related contingent features that could trigger liquidity requirements in the form of cash collateral, letters of credit or some other form of credit enhancement. Certain of these agreements require the posting of collateral if our credit rating is downgraded by one or more credit rating agencies or include cross-default contractual provisions that could result in the settlement of such contracts if there was a failure under other financing arrangements related to payment terms or other covenants.

The following table presents the commodity derivative liabilities subject to credit risk-related contingent features that are not fully collateralized:

		December 31,	
		2022	2021
		December 31,	
		2023	2022
Fair value of derivative contract liabilities (a)	Fair value of derivative contract liabilities (a)	\$(1,934)	\$(1,200)
Offsetting fair value under netting arrangements (b)	Offsetting fair value under netting arrangements (b)	899	660

Cash collateral and letters of credit	Cash collateral and letters of credit	253	95
Liquidity exposure	Liquidity exposure	\$ (782)	\$ (445)

- (a) Excludes fair value of contracts that contain contingent features that do not provide specific amounts to be posted if features are triggered, including provisions that generally provide the right to request additional collateral (material adverse change, performance assurance and other clauses).
- (b) Amounts include the offsetting fair value of in-the-money derivative contracts and net accounts receivable under master netting arrangements.

Concentrations of Credit Risk Related to Derivatives

We have concentrations of credit risk with the counterparties to our derivative contracts. As of **December 31, 2022** **December 31, 2023**, total credit risk exposure to all counterparties related to derivative contracts totaled **\$5.840 billion** **\$4.681 billion** (including associated accounts receivable). The net exposure to those counterparties totaled **\$1.064 billion** **\$727 million** at **December 31, 2022** **December 31, 2023** after taking into effect netting arrangements, setoff provisions and collateral, with the largest net exposure totaling **\$136 million** **\$235 million**. As of **December 31, 2022** **December 31, 2023**, the credit risk exposure to the banking and financial sector represented 80% of the total credit risk exposure and **36%** **28%** of the net exposure.

Exposure to banking and financial sector counterparties is considered to be within an acceptable level of risk tolerance because all of this exposure is with counterparties with investment grade credit ratings. However, this concentration increases the risk that a default by any of these counterparties would have a material effect on our financial condition, results of operations and liquidity. The transactions with these counterparties contain certain provisions that would require the counterparties to post collateral in the event of a material downgrade in their credit rating.

We maintain credit risk policies with regard to our counterparties to minimize overall credit risk. These policies authorize specific risk mitigation tools including, but not limited to, use of standardized master agreements that allow for netting of positive and negative exposures associated with a single counterparty. Credit enhancements such as parent guarantees, letters of credit, surety bonds, liens on assets and margin deposits are also utilized. Prospective material changes in the payment history or financial condition of a counterparty or downgrade of its credit quality result in the reassessment of the credit limit with that counterparty. The process can result in the subsequent reduction of the credit limit or a request for additional financial assurances. An event of default by one or more counterparties could subsequently result in termination-related settlement payments that reduce available liquidity if amounts are owed to the counterparties related to the derivative contracts or delays in receipts of expected settlements if the counterparties owe amounts to us.

16. 18. PENSION AND OTHER POSTRETIREMENT EMPLOYEE BENEFITS (OPEB) PLANS

Vistra is the plan sponsor of the Vistra Retirement Plan (the Retirement Plan), which provides benefits to eligible employees of its subsidiaries. Oncor is a participant in the Retirement Plan. As Vistra accounts for its interests in the Retirement Plan as a multiple employer plan, only Vistra's share of the plan assets and obligations are reported in the pension benefit information presented below. After amendments in 2012, employees in the Retirement Plan now consist entirely of participants who were active and retired collective bargaining unit employees. The Retirement Plan is a qualified defined benefit pension plan under Section 401(a) of the Internal Revenue Code of 1986, as amended (Code), and is subject to the provisions of ERISA. The Retirement Plan provides benefits to participants under one of two formulas: (i) a Cash Balance Formula under which participants earn monthly contribution credits based on their compensation and a combination of their age and years of service, plus monthly interest credits or (ii) a Traditional Retirement Plan Formula based on years of service and the average earnings of the three years of highest earnings. Under the Cash Balance Formula, future increases in earnings will not apply to prior service costs. It is our policy to fund the Retirement Plan assets only to the extent required under existing federal regulations.

Vistra and our participating subsidiaries offer other postretirement employee benefits (OPEB) in the form of certain health care and life insurance benefits to eligible retirees and their eligible dependents. The retiree contributions required for such coverage vary based on a formula depending on the retiree's age and years of service.

Effective January 1, 2018, Vistra entered into a contractual arrangement with Oncor whereby the costs associated with providing OPEB coverage for certain retirees (Split Participants) whose employment included service with both the regulated businesses of Oncor (or its predecessors) and the non-regulated businesses of Vistra (or its predecessors) are split between Oncor and Vistra. As Vistra accounts for its interest in this OPEB plan as a multiple employer plan, only Vistra's share of the plan assets and obligations are reported in the OPEB information presented below. In addition, Vistra is the sponsor of OPEB plans that certain EFH Corp. and Dynegy retirees participate in.

Pension and OPEB Costs

Year Ended December 31,			
2022	2021	2020	
Year Ended December 31,		Year Ended December 31,	
2023	2023	2022	2021

Pension costs	Pension costs	\$ 2	\$ 6	\$11
OPEB costs	OPEB costs	4	8	7
Total benefit costs recognized as expense	Total benefit costs recognized as expense	\$ 6	\$14	\$18

Market-Related Value of Assets Held in Pension Benefit Trusts

We use the calculated value method to determine the market-related value of the assets held in the trust for purposes of calculating pension costs. We include all gains or losses in the market-related value of assets over a rolling four-year period. Each year, 25% of such gains and losses for the current year and for each of the preceding three years is included in the market-related value. Each year, the market-related value of assets is increased for contributions to the plan and investment income and is decreased for benefit payments and expenses for that year.

Detailed Information Regarding Pension Plans and OPEB Benefits

The following information is based on a **December 31, 2022** **December 31, 2023**, **2021** **2022** and **2020** **2021** measurement dates:

		Retirement Plan			OPEB Plans								
		Year Ended December 31,			Year Ended December 31,								
		2022	2021	2020	2022	2021	2020						
	Retirement Plan			Retirement Plan			OPEB Plans						
	Year Ended December 31,			Year Ended December 31,			Year Ended December 31,						
	2023			2023	2022	2021	2023	2022					
Assumptions Used to Determine Net Periodic Pension and Benefit Cost:	Assumptions Used to Determine Net Periodic Pension and Benefit Cost:												
Discount rate	Discount rate												
Discount rate	Discount rate												
Discount rate	Discount rate	2.84 %	2.50 %	3.24 %	2.87 %	2.51 %	3.25 %	5.16 %	2.84 %	2.50 %	5.18 %	2.87 %	2.51 %
Expected rate of compensation increase	Expected rate of compensation increase	3.49 %	3.41 %	3.29 %									
Interest crediting rate for cash balance	Interest crediting rate for cash balance	3.00 %	3.00 %	3.50 %									
Interest crediting rate for cash balance	Interest crediting rate for cash balance												
Interest crediting rate for cash balance	Interest crediting rate for cash balance												
Expected return on plan assets (Vistra Plan)	Expected return on plan assets (Vistra Plan)												
Expected return on plan assets (Vistra Plan)	Expected return on plan assets (Vistra Plan)	4.24 %	3.77 %	4.44 %									
Expected return on plan assets (Dynergy Plan)	Expected return on plan assets (Dynergy Plan)	4.77 %	4.42 %	5.28 %									
Expected return on plan assets (Dynergy Plan)	Expected return on plan assets (Dynergy Plan)												

Expected return on plan assets (Dynergy Plan)							
Expected return on plan assets (EEI Plan)	Expected return on plan assets (EEI Plan)	4.92 %	4.72 %	5.45 %			
Expected return on plan assets (EEI Plan)							
Expected return on plan assets (EEI Plan)							
Expected return on plan assets (EEI Union)							
Expected return on plan assets (EEI Union)							
Expected return on plan assets (EEI Union)	Expected return on plan assets (EEI Union)	3.92 %	6.79 %	7.07 %	3.89 % 3.92 %		
Expected return on plan assets (EEI Salaried)	Expected return on plan assets (EEI Salaried)	3.41 %	2.95 %	3.43 %	Expected return on plan assets (EEI Salaried)	4.85 %	3.41 %
Components of Net Pension and Benefit Cost:	Components of Net Pension and Benefit Cost:						
Service cost	Service cost	\$ 4	\$ 5	\$ 6	\$ 1	\$ 1	\$ 2
Service cost							
Service cost							
Interest cost	Interest cost	17	16	20	4	4	4
Expected return on assets	Expected return on assets	(19)	(18)	(23)	(1)	(2)	(2)
Amortization of unrecognized amounts, net	Amortization of unrecognized amounts, net	—	3	1	—	5	4
Immediate pension and postretirement benefit cost		—	—	7	—	—	(1)
Net periodic pension and OPEB cost							
Net periodic pension and OPEB cost							
Net periodic pension and OPEB cost	Net periodic pension and OPEB cost	\$ 2	\$ 6	\$ 11	\$ 4	\$ 8	\$ 7
Other Changes in Plan Assets and Benefit Obligations Recognized in Other Comprehensive Income:	Other Changes in Plan Assets and Benefit Obligations Recognized in Other Comprehensive Income:						
Net (gain) loss							
Net (gain) loss							
Net (gain) loss	Net (gain) loss	\$(16)	\$(27)	\$ 28	\$(22)	\$(10)	\$ 9
Prior service (credit) cost	Prior service (credit) cost	9	—	—	—	(2)	(3)

Curtailment and settlements	Curtailment and settlements	—	(2)	(11)	—	—	(1)
Total recognized in net periodic benefit cost and other comprehensive income	Total recognized in net periodic benefit cost and other comprehensive income	\$ (5)	\$ (23)	\$ 28	\$ (18)	\$ (4)	\$ 12
Assumptions Used to Determine Benefit Obligations at Period End:	Assumptions Used to Determine Benefit Obligations at Period End:						
Discount rate	Discount rate	5.16 %	2.84 %	2.50 %	5.18 %	2.87 %	2.51 %
Discount rate							
Discount rate		4.97 %	5.16 %	2.84 %	4.98 %	5.18 %	2.87 %
Expected rate of compensation increase	Expected rate of compensation increase	3.79 %	3.49 %	3.41 %			
Interest crediting rate for cash balance plans	Interest crediting rate for cash balance plans	3.00 %	3.00 %	3.00 %			
Interest crediting rate for cash balance plans							
Interest crediting rate for cash balance plans							

Net Actuarial Gains (Losses)

Retirement Plan —

For the year ended December 31, 2023, the net actuarial loss of \$5 million that occurred for the pension plans during 2023 was a result of losses attributable to decreasing discount rates due to changes in the corporate bond markets and losses attributable to actuarial assumption updates to reflect current market conditions, plan experience different than expected, and settlements, partially offset by a gain attributable to actual asset performance exceeding expectations. The Dynegy Pension Plan was amended during 2023 to extend the lump sum interest rates from calendar year 2022 through 2024 and provide in-service distributions for certain eligible employees as of December 31, 2022. As a result, the pension obligation increased by \$1 million and a prior service cost was created to be amortized over 2 years.

For the year ended December 31, 2022, the net actuarial gain of \$16 million was driven by gains attributable to increasing discount rates due to changes in the corporate bond markets, gains attributable to actuarial assumption updates to reflect current market conditions and plan experience different than expected, partially offset by losses attributable to actual asset performance **exceeding** falling short of expectations and settlements.

For the year ended December 31, 2021, the net actuarial gain of \$24 million was driven by gains attributable to increasing discount rates due to changes in the corporate bond markets and gains attributable to actual asset performance exceeding expectations, partially offset by losses attributable to demographic assumption updates to reflect recent plan experience, actuarial assumption updates to reflect current market conditions, plan amendments, settlements and plan experience different than expected.

OPEB Plans

For the year ended **December 31, 2020** December 31, 2023, the **immaterial** net actuarial loss of **\$29 million** that occurred for the OPEB plans during 2023 was **driven by a result of** losses attributable to decreasing discount rates due to changes in the corporate bond markets, **actuarial assumption updates to reflect current market conditions and plan amendments**, partially offset by gains attributable to **plan experience different than expected, updates to health care assumptions, and actual asset performance exceeding expectations, life expectancy updates, annuity purchases, lump sum windows and plan experience different than expected. expectations.**

OPEB Plans — For the year ended December 31, 2022, the net actuarial gain of **\$22 million** **\$22 million** was driven by gains attributable to increasing discount rates due to changes in the corporate bond markets, plan experience different than expected and updates to health care assumptions, partially offset by losses attributable to actual asset performance falling short of **expectations and updates to health care assumptions, partially offset by losses attributable to actual asset performance falling short of** expectations.

For the year period ended December 31, 2021, the net actuarial gain of \$7 million \$7 million was driven by gains attributable to increasing discount rates due to changes in the corporate bond markets, plan experience different than expected, updates to health care claims and trend assumptions and actual asset performance exceeding expectations, partially offset by losses attributable to demographic assumption updates and life expectancy updates.

For the period ended December 31, 2020, the net actuarial loss of \$10 million was driven by losses attributable to decreasing discount rates due to changes in the corporate bond markets and plan experience different than expected, partially offset by gains attributable to actual asset performance exceeding expectations, life expectancy updates and updates to health care claims and trend assumptions.

		Retirement Plan		OPEB Plans	
		Year Ended December 31,		Year Ended December 31,	
		2022	2021	2022	2021
Retirement Plan					
Retirement Plan					
Retirement Plan					
Year Ended December 31,					
Year Ended December 31,					
Year Ended December 31,					
2023					
2023					
2023					
Change in Pension and Postretirement Benefit Obligations:	Change in Pension and Postretirement Benefit Obligations:				
Change in Pension and Postretirement Benefit Obligations:	Change in Pension and Postretirement Benefit Obligations:				
Change in Pension and Postretirement Benefit Obligations:	Change in Pension and Postretirement Benefit Obligations:				
Projected benefit obligation at beginning of period	Projected benefit obligation at beginning of period				
Projected benefit obligation at beginning of period	Projected benefit obligation at beginning of period				
Projected benefit obligation at beginning of period	Projected benefit obligation at beginning of period	\$ 605	\$ 643	\$ 146	\$ 157
Service cost	Service cost	4	5	1	1
Service cost	Service cost				
Service cost	Service cost				
Interest cost	Interest cost				
Interest cost	Interest cost				
Interest cost	Interest cost	17	16	4	4
Participant contributions	Participant contributions	—	—	2	3
Participant contributions	Participant contributions				
Participant contributions	Participant contributions				
Plan amendments	Plan amendments				
Plan amendments	Plan amendments				
Plan amendments	Plan amendments	9	—	—	—
Actuarial gain	Actuarial gain	(113)	(11)	(30)	(6)
Actuarial (gain) loss	Actuarial (gain) loss				
Actuarial (gain) loss	Actuarial (gain) loss				
Actuarial (gain) loss	Actuarial (gain) loss				
Benefits paid	Benefits paid				
Benefits paid	Benefits paid				

Benefits paid	Benefits paid	(73)	(48)	(13)	(13)
Projected benefit obligation at end of year	Projected benefit obligation at end of year	\$ 449	\$ 605	\$ 110	\$ 146
Projected benefit obligation at end of year					
Projected benefit obligation at end of year					
Accumulated benefit obligation at end of year					
Accumulated benefit obligation at end of year	Accumulated benefit obligation at end of year	\$ 447	\$ 600	\$ —	\$ —
Change in Plan Assets:	Change in Plan Assets:				
Change in Plan Assets:					
Change in Plan Assets:					
Fair value of assets at beginning of period					
Fair value of assets at beginning of period					
Fair value of assets at beginning of period	Fair value of assets at beginning of period	\$ 470	\$ 485	\$ 39	\$ 37
Employer contributions	Employer contributions	—	1	9	9
Employer contributions					
Employer contributions					
Participant contributions					
Participant contributions					
Participant contributions	Participant contributions	—	—	2	3
Actual gain (loss) on assets	Actual gain (loss) on assets	(77)	30	(6)	3
Actual gain (loss) on assets					
Actual gain (loss) on assets					
Transfers					
Transfers					
Transfers	Transfers	—	—	(2)	—
Benefits paid	Benefits paid	(73)	(46)	(13)	(13)
Benefits paid					
Benefits paid					
Fair value of assets at end of year					
Fair value of assets at end of year					
Fair value of assets at end of year	Fair value of assets at end of year	\$ 320	\$ 470	\$ 29	\$ 39
Funded Status:	Funded Status:				
Projected pension benefit obligation		\$ (449)	\$ (605)	\$ (110)	\$ (146)
Funded Status:					
Funded Status:					
Projected benefit obligation					
Projected benefit obligation					
Projected benefit obligation					
Fair value of assets					
Fair value of assets					
Fair value of assets	Fair value of assets	320	470	29	39
Funded status at end of year	Funded status at end of year	\$ (129)	\$ (135)	\$ (81)	\$ (107)

Funded status at end of year				
Funded status at end of year				
Amounts Recognized in the Balance Sheet				
Consist of:				
Amounts Recognized in the Balance Sheet				
Consist of:				
Amounts Recognized in the Balance Sheet	Amounts Recognized in the Balance Sheet			
Consist of:	Consist of:			
Investments	Investments	\$ —	\$ —	\$ 20
Investments				
Investments				
Other current liabilities				
Other current liabilities				
Other current liabilities	Other current liabilities	—	—	(8)
Other noncurrent liabilities	Other noncurrent liabilities	(129)	(135)	(93)
Other noncurrent liabilities				
Other noncurrent liabilities				
Net liability recognized				
Net liability recognized				
Net liability recognized	Net liability recognized	(129)	(135)	(81)
Amounts Recognized in Accumulated Other Comprehensive Income	Amounts Recognized in Accumulated Other Comprehensive Income			
Consist of:	Consist of:			
Amounts Recognized in Accumulated Other Comprehensive Income				
Consist of:				
Amounts Recognized in Accumulated Other Comprehensive Income				
Consist of:				
Net actuarial (gain) loss	Net actuarial (gain) loss	\$ (4)	\$ (13)	\$ (15)
Prior services (credit) cost		9	—	1
Net loss and prior service cost		\$ 5	\$ (13)	\$ (14)
Net actuarial (gain) loss				
Net actuarial (gain) loss				
Prior services cost				
Prior services cost				
Prior services cost				
Net (income) loss and prior service cost				
Net (income) loss and prior service cost				
Net (income) loss and prior service cost				

Fair Value Measurement of Pension and OPEB Plan Assets

Retirement Plan

As of December 31, 2022, December 31, 2023 and 2021, 2022, all of the Retirement Plan assets were measured at fair value using the net asset value per share (or its equivalent) except as noted and consisted of the following:

December 31,

		2022	2021
December 31,		December 31,	
2023		2023	2022
Asset Category:	Asset Category:		
Interest-bearing cash (a)	Interest-bearing cash (a)		
Interest-bearing cash (a)	Interest-bearing cash (a)	\$ 2	\$ —
Cash commingled trusts	Cash commingled trusts	4	11
Equity securities:	Equity securities:		
Global equities	Global equities	80	149
Global equities	Global equities		
Fixed income securities:	Fixed income securities:		
Fixed income securities:	Fixed income securities:		
Corporate bonds (b)	Corporate bonds (b)		
Corporate bonds (b)	Corporate bonds (b)	107	199
Government bonds	Government bonds	44	31
Other (c)	Other (c)	24	30
Real estate	Real estate	43	50
Hedge funds	Hedge funds	16	—
Total assets measured at net asset value	Total assets measured at net asset value	\$320	\$470

(a) Interest -bearing cash is classified as Level 2.

(b) Substantially all corporate bonds are rated investment grade by a major ratings agency such as Moody's.

(c) Consists primarily of high-yield bonds, emerging market debt, bank loans, securitized bonds and bank loans, private investment grade fixed income.

OPEB Plans —

As of December 31, 2022, December 31, 2023 and 2021, 2022, the Vistra OPEB plan assets measured at fair value totaled \$29 million \$12 million and \$39 million \$29 million, respectively. At December 31, 2022, December 31, 2023 and 2021, 2022, assets consisted of \$28 million \$9 million and \$37 million \$28 million, respectively, of comingled funds valued at net asset value and \$1 million \$3 million and \$2 million \$1 million, respectively, of municipal bond and cash equivalent mutual funds classified as Level 1.

Pension Plans with Projected Benefit Obligations (PBO) and Accumulated Benefit Obligations (ABO) in Excess of Plan Assets

The following table provides information regarding pension plans with PBO and ABO in excess of the fair value of plan assets.

December 31,		December 31,	
2022 2021		2023	
December 31,		December 31,	
2023		2023	2022

Pension Plans with PBO and ABO in Excess of Plan Assets:	Pension Plans with PBO and ABO in Excess of Plan Assets:		
Projected benefit obligations	Projected benefit obligations		
Projected benefit obligations	Projected benefit obligations		
Projected benefit obligations	Projected benefit obligations	\$449	\$605
Accumulated benefit obligation	Accumulated benefit obligation	\$447	\$600
Plan assets	Plan assets	\$320	\$470

Retirement Plan Investment Strategy and Asset Allocations

Our investment objective for the Retirement Plan is to invest in a suitable mix of assets to meet the future benefit obligations at an acceptable level of risk, while minimizing the volatility of contributions. Fixed income securities held primarily consist of corporate bonds from a diversified range of companies, U.S. Treasuries and agency securities and money market instruments. Equity securities are held to enhance returns by participating in a wide range of investment opportunities. International equity securities are used to further diversify the equity portfolio and may include investments in both developed and emerging markets. Real estate, hedge funds and credit strategies (primarily high yield bonds and emerging market debt) provide additional portfolio diversification and return potential. **On December 30, 2022, the EEI Plan merged into the Dynegy Plan.**

The target asset allocation ranges of pension plan investments by asset category are as follows:

		Target Allocation Ranges							
		Target Allocation Ranges							
		Target Allocation Ranges							
		Target Allocation Ranges							
Asset Category:	Asset Category:	Vistra Plan				Dynegy Plan			
Fixed income		50	%	-	70%	44	%	-	54%
Fixed income securities									
Fixed income securities									
Fixed income securities									
Global equity securities									
Global equity securities									
Global equity securities	Global equity securities	20	%	-	28%	26	%	-	36%
Real estate	Real estate	6	%	-	10%	8	%	-	12%
Real estate									
Real estate									
Credit strategies									
Credit strategies									
Credit strategies	Credit strategies	2	%	-	6%	3	%	-	7%
Hedge funds	Hedge funds	2	%	-	6%	3	%	-	7%
Hedge funds									
Hedge funds									

Retirement Plan Expected Long-Term Rate of Return on Assets Assumption

The Retirement Plan strategic asset allocation is determined in conjunction with the plan's advisors and utilizes a comprehensive Asset-Liability modeling approach to evaluate potential long-term outcomes of various investment strategies. The study incorporates long-term rate of return assumptions for each asset class based on historical and future

expected asset class returns, current market conditions, rate of inflation, current prospects for economic growth, and taking into account the diversification benefits of investing in multiple asset classes and potential benefits of employing active investment management.

		Retirement Plan	
		Expected Long-Term Rate of Return	
		Retirement Plan	
		Retirement Plan	
		Retirement Plan	
		Expected Long-Term Rate of Return	
		Expected Long-Term Rate of Return	
		Vistra Dynegy	
Asset Class:	Asset Class:	Plan	Plan
Fixed income securities	Fixed income securities	5.2 %	5.1 %
Fixed income securities			
Fixed income securities			
Global equity securities			
Global equity securities			
Global equity securities	Global equity securities	7.9 %	7.9 %
Real estate	Real estate	4.8 %	4.8 %
Real estate			
Real estate			
Credit strategies			
Credit strategies			
Credit strategies	Credit strategies	7.0 %	7.0 %
Hedge funds	Hedge funds	7.5 %	7.5 %
Hedge funds			
Hedge funds			
Weighted average	Weighted average	5.8 %	5.8 %
Weighted average			
Weighted average			

Benefit Plan Assumed Health Care Cost Trend Rates

The following tables provide information regarding the assumed health care cost trend rates.

		December 31,	
		2022	2021
		December 31,	
		2023	December 31,
			2023
			2022
Assumed Health Care Cost Trend Rates-Not Medicare Eligible:	Assumed Health Care Cost Trend Rates-Not Medicare Eligible:		

[illegible]

Health care cost trend rate assumed for next year (Split-Participant Plan)	Health care cost trend rate assumed for next year (Split-Participant Plan)	Health care cost trend rate assumed for next year (Split-Participant Plan)					
		10.00 %	8.90 %		12.30 %	10.00 %	
Rate to which the cost trend is expected to decline (the ultimate trend rate)	Rate to which the cost trend is expected to decline (the ultimate trend rate)	4.50 %	4.50 %		4.50 %	4.50 %	
Year that the rate reaches the ultimate trend rate	Year that the rate reaches the ultimate trend rate	2032	2031		2033	2032	

Significant Concentrations of Risk

The plans' investments are exposed to risks such as interest rate, capital market and credit risks. We seek to optimize return on investment consistent with levels of liquidity and investment risk which are prudent and reasonable, given prevailing capital market conditions and other factors specific to us. While we recognize the importance of return, investments will be diversified in order to minimize the risk of large losses unless, under the circumstances, it is clearly prudent not to do so. There are also various restrictions and guidelines in place including limitations on types of investments allowed and portfolio weightings for certain investment securities to assist in the mitigation of the risk of large losses.

Assumed Discount Rate

We selected the assumed discount rates using the Aon AA Above Median yield curve, which is based on corporate bond yields and at December 31, 2022 December 31, 2023 consisted of 504 509 corporate bonds with an average rating of AA using Moody's, S&P and Fitch ratings.

Contributions

Contributions to the Retirement Plan for the years ended December 31, 2022 December 31, 2023, 2021 2022 and 2020 2021 totaled zero, \$1 million zero and \$16 million \$1 million, respectively, and no contributions in 2024 are expected to be made in 2023. total \$14 million. OPEB plan funding for each year of the years ended December 31, 2022 December 31, 2023, 2022 and 2021 and 2020 totaled \$9 million \$9 million, and funding in 2023 2024 is expected to total \$9 million.

Future Benefit Payments

Estimated future benefit payments to beneficiaries are as follows:													
							2028-						
	2023	2024	2025	2026	2027	2032							
	2024						2024	2025	2026	2027	2028	2029-2033	
Pension	Pension												
benefits	benefits	\$80	\$30	\$30	\$36	\$33	\$143						
OPEB	OPEB	\$10	\$10	\$ 9	\$ 9	\$ 8	\$ 38						

Qualified Savings Plans

Our employees may participate in a qualified savings plan (the Thrift Plan). This plan is a participant-directed defined contribution plan intended to qualify under Section 401(a) of the Code and is subject to the provisions of ERISA. Under the terms of the Thrift Plan, employees who do not earn more than the IRS threshold compensation limit used to determine highly compensated employees may contribute, through pre-tax salary deferrals and/or after-tax payroll deductions, the lesser of 75% of their regular salary or wages or the maximum amount permitted under applicable law. Employees who earn more than such threshold may contribute from 1% to 20% of their regular salary or wages. Employer

matching contributions are also made in an amount equal to 100% (75% for employees covered under the traditional formula in the Retirement Plan) of the first 6% of employee contributions. Employer matching contributions are made in cash and may be allocated by participants to any of the plan's investment options.

Aggregate employer contributions to the qualified savings plans totaled \$33 million, \$34 million \$33 million and \$34 million for the years ended December 31, 2022 December 31, 2023, 2021 2022 and 2020, 2021, respectively.

17.19. STOCK-BASED COMPENSATION

Vistra 2016 Omnibus Incentive Plan

On the Effective Date, the Vistra board of directors (Board) Board adopted the 2016 Omnibus Incentive Plan (2016 Incentive Plan), under which an aggregate of 22,500,000 shares of our common stock were reserved for issuance as equity-based awards to our non-employee directors, employees, and certain other persons. Following approval of the Board and approval by the stockholders at the 2019 annual meeting of the Company, the 2016 Incentive Plan was amended to increase the maximum number of shares reserved for issuance under the 2016 Incentive Plan to 37,500,000. The Board or any committee duly authorized by the Board will administer the 2016 Incentive Plan and has broad authority under the 2016 Incentive Plan to, among other things: (a) select participants, (b) determine the types of awards that participants are to receive and the number of shares that are to be subject to such awards and (c) establish the terms and conditions of awards, including the price (if any) to be paid for the shares of the award. The types of awards that may be granted under the 2016 Incentive Plan include stock options, RSUs, restricted stock, performance awards and other forms of awards granted or denominated in shares of Vistra common stock, as well as certain cash-based awards.

If any stock option or other stock-based award granted under the 2016 Incentive Plan expires, terminates or is canceled for any reason without having been exercised in full, the number of shares of Vistra common stock underlying any unexercised award shall again be available for awards under the 2016 Incentive Plan. If any shares of restricted stock, performance awards or other stock-based awards denominated in shares of Vistra common stock awarded under the 2016 Incentive Plan are forfeited for any reason, the number of forfeited shares shall again be available for purposes of awards under the 2016 Incentive Plan. Any award under the 2016 Incentive Plan settled in cash shall not be counted against the maximum share limitation. No awards under the 2016 Incentive Plan have been settled in cash since the Effective Date.

As is customary in incentive plans of this nature, each share limit and the number and kind of shares available under the 2016 Incentive Plan and any outstanding awards, as well as the exercise or purchase price of awards, and performance targets under certain types of performance-based awards, are required to be adjusted in the event of certain reorganizations, mergers, combinations, recapitalizations, stock splits, stock dividends or other similar events that change the number or kind of shares outstanding, and extraordinary dividends or distributions of property to the Vistra stockholders.

Stock-Based Compensation Expense

Stock-based compensation expense is reported as SG&A in the consolidated statements of operations as follows:

		Year Ended December 31,						
		2022	2021	2020				
		Year Ended December 31,			Year Ended December 31,			
		2023			2023	2022	2021	
Total stock-based compensation expense	Total stock-based compensation expense	\$65	\$51	\$63				
Income tax benefit	Income tax benefit	(15)	(12)	(15)				
Stock based-compensation expense, net of tax	Stock based-compensation expense, net of tax	\$50	\$39	\$48				

Year Ended December 31, 2022					
		Weighted Average			
		Stock Options	Weighted Average	Remaining Contractual	Aggregate Intrinsic
		(in thousands)	Exercise Price	Term (Years)	Value (in millions)
Year Ended December 31, 2023					
Year Ended December 31, 2023		Year Ended December 31, 2023			
	Stock Options (in thousands)				
Total outstanding at beginning of period	Total outstanding at beginning of period	13,947	\$ 19.28	5.9	\$ 55.7
Exercised	Exercised	(2,763)	\$ 15.65		
Exercised					
Exercised					
Forfeited or expired					
Forfeited or expired					
Forfeited or expired	Forfeited or expired	(266)	\$ 23.96		
Total outstanding at end of period	Total outstanding at end of period	10,918	\$ 20.10	5.1	\$ 39.2
Exercisable at December 31, 2022		7,914	\$ 19.92	5.1	\$ 31.4
Total outstanding at end of period					
Total outstanding at end of period					
Exercisable at December 31, 2023					

As of **December 31, 2022** December 31, 2023, \$2 million of there was no unrecognized compensation cost related to unvested stock options granted under the 2016 Incentive Plan are expected to be recognized over a weighted average period of approximately 3 months. Plan.

Restricted Stock Units

The following table summarizes our restricted stock unit activity:

		Year Ended December 31, 2022	
		Restricted Stock Units (in thousands)	Weighted Average Grant Date Fair Value
		Year Ended December 31, 2023	
		Year Ended December 31, 2023	
		Year Ended December 31, 2023	
Restricted Stock Units (in thousands)			
Total nonvested at beginning of period			
Total nonvested at beginning of period			
Total nonvested at beginning of period	Total nonvested at beginning of period	2,811	\$ 22.57

Granted	Granted	2,197	\$	21.16
Granted				
Granted				
Vested				
Vested				
Vested	Vested	(1,192)	\$	23.38
Forfeited	Forfeited	(201)	\$	21.72
Forfeited				
Forfeited				
Total nonvested at end of period				
Total nonvested at end of period				
Total nonvested at end of period	Total nonvested at end of period	3,615	\$	21.49

As of **December 31, 2022** **December 31, 2023**, **\$46 million** **\$50 million** of unrecognized compensation cost related to unvested restricted stock units granted under the 2016 Incentive Plan are expected to be recognized over a weighted average period of approximately 2 years.

We also issue Performance Stock Units (PSUs) to certain members of management on an annual basis. All PSUs have a three year performance period and a payout opportunity of 0-200% of target (100%), which is intended to be settled in shares of Vistra common stock. We recognized compensation expense associated with PSUs of **\$22 million** **\$36 million**, **\$9 million** **\$22 million** and **\$15 million** **\$9 million** for the years ended **December 31, 2022** **December 31, 2023**, **2021** **2022** and **2020**, **2021**, respectively. As of **December 31, 2022** **December 31, 2023**, we have \$33 million of unrecognized compensation cost associated with PSUs.

18.20. RELATED PARTY TRANSACTIONS

In connection with Emergence, we entered into agreements with certain of our affiliates and with parties who received shares of common stock and TRA Rights in exchange for their claims.

Registration Rights Agreement

Pursuant to the Plan of Reorganization, on the Effective Date, we entered into a Registration Rights Agreement (the RRA) with certain selling stockholders. Pursuant to the RRA, we maintain a registration statement on Form S-3 providing for registration of the resale of the Vistra common stock held by such selling stockholders. In addition, under the terms of the RRA, among other things, if we propose to file certain types of registration statements under the Securities Act with respect to an offering of equity securities, we will be required to use our reasonable best efforts to offer the other parties to the RRA the opportunity to register all or part of their shares on the terms and conditions set forth in the RRA.

Tax Receivable Agreement

On the Effective Date, Vistra entered into the TRA with a transfer agent on behalf of certain former first-lien creditors of TCEH. See Note **7** **8** for discussion of the TRA.

19.21. SEGMENT INFORMATION

The operations of Vistra are aligned into six reportable business segments: (i) Retail, (ii) Texas, (iii) East, (iv) West, (v) Sunset and (vi) Asset Closure.

Our Chief Executive Officer is our **Chief Operating Decision Maker (CODM)**, **CODM**. Our CODM reviews the results of these segments separately and allocates resources to the respective segments as part of our strategic operations. A measure of assets is not applicable, as segment assets are not regularly reviewed by the CODM for evaluating performance or allocating resources.

The Retail segment is engaged in retail sales of electricity and natural gas to residential, commercial and industrial customers. Substantially all of these activities are conducted by TXU Energy, Ambit, **Value Based Brands**, Dynegy Energy Services, Homefield Energy **TriEagle Energy**, **Public Power** and U.S. Gas & Electric across 19 states in the U.S.

The Texas and East segments are engaged in electricity generation, wholesale energy sales and purchases, commodity risk management activities, fuel production and fuel logistics management. The Texas segment represents results from Vistra's electricity generation operations in the ERCOT market, other than assets that are now part of the Sunset or Asset Closure segments. The East segment represents results from Vistra's electricity generation operations in the Eastern Interconnection of the U.S. electric grid, other than

assets that are now part of the Sunset or Asset Closure segments, and includes operations in the PJM, ISO-NE and NYISO markets. We determined it was appropriate to aggregate results from these markets into one reportable segment, East, given similar economic characteristics.

The West segment represents results from the CAISO market, including our battery ESS projects at our Moss Landing and Oakland power plant sites (see Note 2(3)).

The Sunset segment consists of generation plants with announced retirement dates after December 31, 2022. Separately reporting the Sunset segment differentiates operating plants with announced retirement plans from our other operating plants in the Texas, East and West segments. We have allocated unrealized gains and losses on the commodity risk management activities to the Sunset segment for the generation plants that have announced retirement dates after December 31, 2022.

The Asset Closure segment is engaged in the decommissioning and reclamation of retired plants and mines (see Note 3(4)). The Asset Closure segment also includes results from generation plants we retired in the years ended December 31, 2022, December 31, 2023 and 2022. Upon movement of generation plant assets to either the Sunset or Asset Closure segments, prior year results are retrospectively adjusted, if the effects are material, for comparative purposes. Separately reporting the Asset Closure segment provides management with better information related to the performance and earnings power of Vistra's ongoing operations and facilitates management's focus on minimizing the cost associated with decommissioning and reclamation of retired plants and mines. We have allocated unrealized gains and losses on the commodity risk management activities attributable to the plants retired in 2022 up until the retirement date, and 2023.

Corporate and Other represents the remaining non-segment operations consisting primarily of general corporate expenses, interest, taxes and other expenses related to our support functions that provide shared services to our operating segments.

The accounting policies of the business segments are the same as those described in the summary of significant accounting policies in Note 1. Our CODM uses more than one measure to assess segment performance, but primarily focuses on Adjusted EBITDA. While we believe this is a useful metric in evaluating operating performance, it is not a metric defined by U.S. GAAP and may not be comparable to non-GAAP metrics presented by other companies. Adjusted EBITDA is most comparable to consolidated net income (loss) prepared based on U.S. GAAP. We account for intersegment sales and transfers as if the sales or transfers were to third parties, that is, at market prices. Certain shared services costs are allocated to the segments.

For the year ended	For the year ended	Retail	Texas	East	West	Sunset	Asset Closure	Corporate and Other (b)	Eliminations	Consolidated	For the year ended	Retail	Texas	East	West	Sunset	Asset Closure	Corporate and Other (a)	Eliminations	Cons
Operating revenues (a):																				
Operating revenues:																				
December 31, 2023																				
December 31, 2023																				
December 31, 2023																				
December 31, 2022	December 31, 2022	\$9,455	\$3,733	\$3,706	\$ 336	\$ 956	\$ 296	\$ 1	\$ (4,755)	\$ 13,728										
December 31, 2021	December 31, 2021	7,871	2,790	2,587	374	653	86	—	(2,284)	12,077										
December 31, 2020	December 31, 2020	8,270	4,116	2,415	282	936	319	—	(4,895)	11,443										
Depreciation and amortization:																				
December 31, 2023																				
December 31, 2023																				
December 31, 2023																				
December 31, 2022	December 31, 2022	\$ (145)	\$ (537)	\$ (706)	\$ (42)	\$ (76)	\$ (21)	\$ (69)	\$ —	\$ (1,596)										
December 31, 2021	December 31, 2021	(212)	(608)	(698)	(60)	(104)	(35)	(36)	—	(1,753)										
December 31, 2020	December 31, 2020	(303)	(475)	(721)	(19)	(109)	(46)	(64)	—	(1,737)										

Operating income (loss):	Operating income (loss):										
December 31, 2023	December 31, 2023										
December 31, 2023	December 31, 2023										
December 31, 2023	December 31, 2023										
December 31, 2022	December 31, 2022	\$1,172	\$ (711)	\$ (867)	\$(250)	\$(256)	\$(130)	\$ (135)	\$ —	\$ (1,177)	
December 31, 2021	December 31, 2021	2,213	(2,601)	(552)	(8)	(143)	(341)	(83)	—	(1,515)	
December 31, 2020	December 31, 2020	312	1,761	73	39	(246)	(283)	(137)	—	1,519	
Interest expense and related charges:	Interest expense and related charges:										
December 31, 2023	December 31, 2023										
December 31, 2023	December 31, 2023										
December 31, 2023	December 31, 2023										
December 31, 2022	December 31, 2022	\$ (14)	\$ 20	\$ (3)	\$ 6	\$ (3)	\$ (3)	\$ (371)	\$ —	\$ (368)	
December 31, 2021	December 31, 2021	(9)	14	(15)	9	(3)	—	(381)	1	(384)	
December 31, 2020	December 31, 2020	(10)	8	(7)	10	(1)	(1)	(632)	3	(630)	
Income tax (expense) benefit:	Income tax (expense) benefit:										
December 31, 2023	December 31, 2023										
December 31, 2023	December 31, 2023										
December 31, 2023	December 31, 2023										
December 31, 2022	December 31, 2022	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —	\$ 350	\$ —	\$ 350	
December 31, 2021	December 31, 2021	(2)	—	—	—	—	—	460	—	458	
December 31, 2020	December 31, 2020	—	—	—	—	—	—	(266)	—	(266)	
Net income (loss):	Net income (loss):										
December 31, 2023	December 31, 2023										
December 31, 2023	December 31, 2023										
December 31, 2023	December 31, 2023										
December 31, 2022	December 31, 2022	\$1,158	\$ (615)	\$ (868)	\$(238)	\$(258)	\$(119)	\$ (270)	\$ —	\$ (1,210)	
December 31, 2021	December 31, 2021	2,196	(2,512)	(567)	1	(137)	(298)	53	—	(1,264)	
December 31, 2020	December 31, 2020	309	1,760	41	50	(245)	(270)	(1,021)	—	624	
Capital expenditures, including nuclear fuel and excluding LTSA prepayments and development and growth expenditures:	Capital expenditures, including nuclear fuel and excluding LTSA prepayments and development and growth expenditures:										
December 31, 2023	December 31, 2023										
December 31, 2023	December 31, 2023										
December 31, 2023	December 31, 2023										
December 31, 2022	December 31, 2022	\$ 1	\$ 335	\$ 56	\$ 116	\$ 33	\$ —	\$ 55	\$ —	\$ 596	
December 31, 2021	December 31, 2021	1	266	44	8	28	3	48	—	398	
December 31, 2020	December 31, 2020	2	388	71	2	34	12	91	—	600	

(a) The following unrealized net gains (losses) from mark-to-market valuations of commodity positions are included in operating revenues:

For the year ended	Corporate and								
	Retail (1)	Texas	East	West	Sunset	Asset Closure	Other	Eliminations (2)	Consolidated
December 31, 2022	\$ (532)	\$ (1,472)	\$ (757)	\$ (324)	\$ (3)	\$ 106	\$ —	\$ 819	\$ (2,163)
December 31, 2021	(325)	(1,272)	(637)	(42)	(444)	(190)	—	1,719	(1,191)
December 31, 2020	(11)	677	(23)	(10)	(122)	(18)	—	(329)	164

(1) For the years ended December 31, 2022 and 2021, Retail segment includes unrealized net losses of \$544 million and \$298 million, respectively, due to the discontinuance of NPNS accounting on retail electric contract portfolios in the second quarter of 2022 and the third quarter of 2021 where physical settlement is no longer considered probable throughout the contract term.

(2) Amounts attributable to generation segments offset in fuel, purchased power costs and delivery fees in the Retail segment, with no impact to consolidated results.

(b) Income tax (expense) benefit is generally not reflected in net income (loss) of the segments but is reflected almost entirely in Corporate and Other net income (loss).

20.22. SUPPLEMENTARY FINANCIAL INFORMATION

Impairment of Long-Lived Assets

In the first quarter of 2023, we recognized an impairment loss of \$49 million related to our Kincaid generation facility in Illinois as a result of a significant decrease in the projected operating margins of the facility, primarily driven by a decrease in projected power prices. The impairment is reported in our Sunset segment and includes write-downs of property, plant and equipment of \$45 million, write-downs of inventory of \$2 million and write-downs of operating lease right-of-use assets of \$2 million.

In the fourth quarter of 2022, we recognized an impairment loss of \$74 million related to our Miami Fort generation facility in Ohio as a result of a significant decrease in the projected operating margins of the facility, reflecting an increase in projected coal costs along with a decrease in projected power prices. The impairment is reported in our Sunset segment and includes write-downs of property, plant and equipment of \$71 million and write-downs of inventory of \$3 million.

In the second quarter of 2021, we recognized an impairment loss of \$38 million related to our Zimmer generation facility in Ohio as a result of a significant decrease in the estimated useful life of the facility, reflecting a decrease in the economic forecast of the facility and the inability to secure capacity revenues for the plant in the PJM capacity auction held in May 2021. The impairment is reported in our Asset Closure segment and includes write-downs of property, plant and equipment of \$33 million and write-downs of inventory of \$5 million.

In the third quarter of 2020, we recognized impairment losses of \$173 million related to our Kincaid coal generation facility in Illinois and \$99 million related to our Zimmer coal generation facility in Ohio, each as a result of a significant decrease in the estimated useful life of the facility, reflecting our recently announced plan to retire both facilities by the end of 2027 in response to the final CCR rule (see Notes 3 and 12). The impairment for our Kincaid facility is reported in our Sunset segment and includes write-downs of property, plant and equipment of \$166 million and write-downs of inventory of \$7 million. The impairment for our Zimmer facility is reported in our Asset Closure segment and includes write-downs of property, plant and equipment of \$94 million and write-downs of inventory of \$5 million.

In the first quarter of 2020, we recognized an impairment loss of \$52 million related to our Joppa/EEI coal generation facility in Illinois as a result of a significant decrease in the estimated useful life of the facility, reflecting a decrease in the economic forecast of the facility and changes to the operating assumption based on lower forecasted wholesale electricity prices. We also recorded a \$32 million impairment to a capacity contract which was linked in part to the Joppa/EEI facility and therefore determined to have a significant decrease in estimated useful life. The impairments are reported in our Asset Closure segment and include write-downs of property, plant and equipment of \$45 million, write-downs of intangible assets of \$32 million and write-downs of inventory of \$7 million.

In determining the fair value of the impaired assets asset groups in 2023, 2022, 2021, and 2020, 2021, we utilized the income approach described in ASC 820, *Fair Value Measurement* and, if applicable, applied weighting to prices and other relevant information generated by market transactions involving similar assets.

Interest Expense and Related Charges

	Year Ended December 31,			
	2022	2021	2020	
Interest paid/accrued	\$591	\$480	\$467	

Year Ended December 31,		Year Ended December 31,	
2023	2023	2022	2021

Interest expense				
Unrealized mark-to-market net (gains) losses on interest rate swaps	Unrealized mark-to-market net (gains) losses on interest rate swaps	(250)	(134)	155
Amortization of debt issuance costs, discounts and premiums	Amortization of debt issuance costs, discounts and premiums	28	30	18
Facility Fee expense				
Debt extinguishment (gain) loss	Debt extinguishment (gain) loss	(1)	1	(17)
Capitalized interest	Capitalized interest	(29)	(26)	(21)
Other (a)	Other (a)	29	33	28
Total interest expense and related charges	Total interest expense and related charges	\$368	\$384	\$630

(a) For the year ended December 31, 2023, includes \$21 million of fees related to the Commitment Letter (see Note 2).

The weighted average interest rate applicable to the Vistra Operations Credit Facilities, taking into account the interest rate swaps discussed in Note 10, 12, was 4.30% 5.69%, 3.90% 4.30% and 3.88% 3.90% as of December 31, 2022 December 31, 2023, 2021 2022 and 2020, 2021, respectively.

Other Income and Deductions

		Year Ended December 31,					
		2022	2021	2020			
		Year Ended December 31,			Year Ended December 31,		
		2023	2022	2021	2023	2022	2021
Other income:	Other income:						
Insurance settlements (a)	Insurance settlements (a)	\$ 70	\$ 88	\$ 6			
Gain on settlement of rail transportation disputes (b)		—	15	—			
Sale of land (b)		8	9	8			
Insurance settlements (a)							
Insurance settlements (a)							
Gain on sale of land (b)							
Gain on TRA settlement (c)							
Gain on settlement of rail transportation disputes (d)							

Interest income	Interest income	19	—	2
Interest income				
Interest income				
All other				
All other				
All other	All other	20	28	18
Total other income	Total other income	\$117	\$140	\$34
Other deductions:				
Other deductions:				
Loss on disposal of investment in NELP (c)				
		\$ —	\$ —	\$29
All other				
All other				
All other	All other	4	16	13
Total other deductions	Total other deductions	\$ 4	\$ 16	\$42

- (a) For the year ended December 31, 2023, \$19 million reported in the West segment and \$5 million in the Asset Closure segment. For the year ended December 31, 2022, \$62 million reported in the Texas segment, \$6 million reported in the West segment, \$1 million reported in the Asset Closure segment and \$1 million reported in the Corporate and Other non-segment. For the year ended December 31, 2021, \$80 million reported in the Texas segment, \$7 million reported in the Asset Closure Sunset segment and \$1 million reported in the Corporate and Other non-segment. Other.
- (b) For the year ended December 31, 2020 December 31, 2023, \$3 million reported in the Corporate and Other non-segment, \$2 million \$94 million reported in the Asset Closure segment and \$1 million reported in the Texas segment.
- (b) Reported For the years ended December 31, 2022 and 2021, reported in the Asset Closure segment.
- (c) Reported in the East Corporate and Other.
- (d) Reported in the Asset Closure segment.

Restricted Cash

		December 31, 2022		December 31, 2021	
		Current	Noncurrent	Current	Noncurrent
		Assets	Assets	Assets	Assets
		December 31, 2023		December 31, 2023	
		Current	Noncurrent	Current	Noncurrent
		Assets	Assets	Assets	Assets
Amounts related to remediation escrow accounts	Amounts related to remediation escrow accounts	\$ 37	\$ 33	\$ 21	\$ 13
Total restricted cash	Total restricted cash	\$ 37	\$ 33	\$ 21	\$ 13
Total restricted cash					
Total restricted cash					

Remediation Escrow — During the years ended December 31, 2022, 2020 and 2019, Vistra has transferred various asset retirement obligations related to several closed plant sites to a third-party remediation company. As part of certain transfers, Vistra deposits funds into an escrow accounts, and the funds are released to the remediation company as milestones are reached in the remediation process. Amounts contractually payable to the third party in exchange for assuming the obligations are included in other current liabilities and other noncurrent liabilities and deferred credits.

Trade Accounts Receivable

		December 31,	
		2022	2021
		December 31,	
		December 31,	

	2023	2023		2022
Wholesale and retail trade accounts receivable	Wholesale and retail trade accounts receivable	\$2,124	\$1,442	
Allowance for uncollectible accounts	Allowance for uncollectible accounts	(65)	(45)	
Trade accounts receivable — net	Trade accounts receivable — net	\$2,059	\$1,397	

Gross trade accounts receivable as of **December 31, 2022** **December 31, 2023** and **2021** **2022** included unbilled retail revenues of **\$607 million** **\$614 million** and **\$426 million** **\$607 million**, respectively.

Allowance for Uncollectible Accounts Receivable

	Year Ended December 31,		
	2022	2021	2020
Allowance for uncollectible accounts receivable at beginning of period (a)	\$ 45	\$ 45	\$ 42
Increase for bad debt expense	179	110	110
Decrease for account write-offs	(159)	(110)	(107)
Allowance for uncollectible accounts receivable at end of period	\$ 65	\$ 45	\$ 45

(a) The beginning balance in 2020 includes a \$6 million increase recorded due to the adoption of ASU 2016-13, *Financial Instruments—Credit Losses* (see Note 1).

	Year Ended December 31,		
	2023	2022	2021
Allowance for uncollectible accounts receivable at beginning of period	\$ 65	\$ 45	\$ 45
Increase for bad debt expense	164	179	110
Decrease for account write-offs	(168)	(159)	(110)
Allowance for uncollectible accounts receivable at end of period	\$ 61	\$ 65	\$ 45

Inventories by Major Category

	December 31,		
	2022	2021	
	December 31,	December 31,	
	2023	2023	2022
Materials and supplies	Materials and supplies	\$274	\$260
Fuel stock	Fuel stock	252	314
Natural gas in storage	Natural gas in storage	44	36
Total inventories	Total inventories	\$570	\$610

Investments

	December 31,	
	2022	2021
Nuclear plant decommissioning trust	\$ 1,648	\$ 1,960
Assets related to employee benefit plans (Note 16)	30	42

Land	41	44
Miscellaneous other	10	3
Total investments	\$ 1,729	\$ 2,049

	December 31,	
	2023	2022
Nuclear decommissioning trust	\$ 1,951	\$ 1,648
Assets related to employee benefit plans	28	30
Land investments	42	41
Miscellaneous other	14	10
Total investments	\$ 2,035	\$ 1,729

Investment in Unconsolidated Subsidiary

On the Merger Date, we assumed Dynegy's 50% interest in NELP, a joint venture with NextEra Energy, Inc., which indirectly owned the Bellingham NEA facility and the Sayreville facility.

In December 2019, Dynegy Northeast Generation GP, Inc. and Dynegy Northeast Associates LP, Inc., indirect subsidiaries of Vistra, entered into a transaction agreement with NELP and certain indirect subsidiaries of NextEra Energy, Inc. wherein the indirect subsidiaries of Vistra redeemed their ownership interest in NELP in exchange for 100% ownership interest in NJEA, the company which owns the Sayreville facility. The NELP Transaction was approved by FERC in February 2020, and the NELP Transaction closed on March 2, 2020. As a result of the NELP Transaction, Vistra indirectly owns 100% of the Sayreville facility and no longer has any ownership interest in the Bellingham NEA facility. A loss of \$29 million was recognized in connection with the NELP Transaction, reflecting the difference between our derecognized investment in NELP and the value of our acquired 100% interest in NJEA, which was measured in accordance with ASC 805. The loss is reported in our consolidated statements of operations in other deductions.

Equity earnings related to our investment in NELP totaled \$3 million for the year ended December 31, 2020, recorded in equity in earnings of unconsolidated investment in our consolidated statements of operations. We received distributions totaling \$3 million for the year ended December 31, 2020.

Nuclear Decommissioning Trust

Investments in a trust that will be used to fund the costs to decommission the Comanche Peak nuclear generation plant are carried at fair value. Decommissioning costs are being recovered from Oncor customers as a delivery fee surcharge over the life of the plant and deposited by Vistra (and prior to the Effective Date, a subsidiary of TCEH) in the trust fund. Income and expense, including gains and losses associated with the trust fund assets and the decommissioning liability, are offset by a corresponding change in a regulatory asset/liability (currently a regulatory **asset liability** reported in other noncurrent **assets**) **liabilities and deferred credits**) that will ultimately be settled through changes in Oncor's delivery fees rates. If funds recovered from Oncor's customers held in the trust fund are determined to be inadequate to decommission the Comanche Peak nuclear generation plant, Oncor would be required to collect all additional amounts from its customers, with no obligation from Vistra, provided that Vistra complied with PUCT rules and regulations regarding decommissioning trusts. A summary of the fair market value of investments in the fund follows:

		Year Ended December 31,	
		2022	2021
		Year Ended December 31,	
		Year Ended December 31,	
		Year Ended December 31,	
		Year Ended December 31,	
		2023	2022
Debt securities	Debt securities		
(a)	(a)	\$ 658	\$ 679
Equity securities	Equity securities		
(b)	(b)	990	1,281
Total	Total	\$1,648	\$1,960

- (a) The investment objective for debt securities is to invest in a diversified tax efficient portfolio with an overall portfolio rating of AA or above as graded by S&P or Aa2 by Moody's. The debt securities are heavily weighted with government and municipal bonds and investment grade corporate bonds. The debt securities had an average coupon rate of 2.64% 3.19% and 2.54% 2.64% as of December 31, 2022 December 31, 2023 and 2021, 2022, respectively, and an average maturity of 11 years and 10 years as of December 31, 2022 both December 31, 2023 and 2021, respectively, 2022.
- (b) The investment objective for equity securities is to invest tax efficiently and to match the performance of the S&P 500 Index for U.S. equity investments and the MSCI EAFE Index for non-U.S. equity investments.

Debt securities held as of December 31, 2022 December 31, 2023 mature as follows: \$246 million \$296 million in one to five years, \$159 million \$142 million in five to 10 years and \$253 million \$296 million after 10 years.

The following table summarizes proceeds from sales of securities and investments in new securities.

		Year Ended December 31,					
		2022	2021	2020			
		Year Ended December 31,			Year Ended December 31,		
		2023	2022	2021	2023	2022	2021
Proceeds from sales of securities	Proceeds from sales of securities	\$ 670	\$ 483	\$ 433			
Proceeds from sales of securities							
Proceeds from sales of securities							
Investments in securities	Investments in securities	\$(693)	\$(505)	\$(455)			

Property, Plant and Equipment

		December 31,			
		2022	2021		
		December 31,		December 31,	
		2023	2022	2023	2022
Power generation and structures	Power generation and structures	\$16,597	\$16,195		
Land	Land	584	608		
Office and other equipment	Office and other equipment	163	183		
Total	Total	17,344	16,986		
Less accumulated depreciation	Less accumulated depreciation	(5,753)	(4,801)		
Net of accumulated depreciation	Net of accumulated depreciation	11,591	12,185		
Finance lease right-of-use assets (net of accumulated depreciation)	Finance lease right-of-use assets (net of accumulated depreciation)	173	173		
Nuclear fuel (net of accumulated amortization of \$152 million and \$125 million)		268	212		
Nuclear fuel (net of accumulated amortization of \$120 million and \$152 million)					

Construction work in progress	Construction work in progress	522	486
Property, plant and equipment — net	Property, plant and equipment — net	\$12,554	\$13,056

Depreciation expenses totaled \$1.388 billion \$1.344 billion, \$1.478 billion \$1.388 billion and \$1.377 billion \$1.478 billion for the years ended December 31, 2022 December 31, 2023, 2021 2022 and 2020, 2021, respectively.

Our property, plant and equipment consist of our power generation assets, related mining assets, information system hardware, capitalized corporate office lease space and other leasehold improvements. The estimated remaining useful lives range from 1 to 31 30 years for our property, plant and equipment.

Asset Retirement and Mining Reclamation Obligations (ARO)

These liabilities primarily relate to nuclear generation plant decommissioning, land reclamation related to lignite mining, remediation or closure of coal ash basins, and generation plant disposal costs. There is no earnings impact with respect to changes in the nuclear plant decommissioning liability, as all costs are recoverable through the regulatory process as part of delivery fees charged by Oncor. As of December 31, 2022 and 2021, asbestos removal liabilities totaled zero and \$3 million, respectively. We have also identified conditional AROs for asbestos removal and disposal, which are specific to certain generation assets.

As of December 31, 2022 December 31, 2023, the carrying value of our ARO related to our nuclear generation plant decommissioning totaled \$1.688 billion \$1.742 billion, which is higher lower than the fair value of the assets contained in the nuclear decommissioning trust. Since the costs to ultimately decommission that plant are recoverable through the regulatory rate making process as part of Oncor's delivery fees, a corresponding regulatory asset liability has been recorded to our consolidated balance sheet of \$40 million \$209 million in other noncurrent assets, liabilities and deferred credits.

The following table summarizes the changes to these obligations, reported as AROs (current and noncurrent liabilities) in our consolidated balance sheets, for the years ended December 31, 2022 December 31, 2023, 2021 2022 and 2020, 2021:

				Coal Ash and Other	
	Nuclear Plant Decommissioning	Mining Land Reclamation			Total
Liability at December 31, 2019	\$ 1,320	\$ 410	\$ 508		\$ 2,238
	Nuclear Plant Decommissioning				
	Nuclear Plant Decommissioning				
	Nuclear Plant Decommissioning			Land Reclamation, Coal Ash and Other	Total
Liability at December 31, 2020					
Additions:	Additions:				
Accretion					
Accretion					
Accretion	46	20	23		89
Adjustment for change in estimates (a)	219	(6)	25		238
Reductions:	Reductions:				
Reductions:					
Reductions:					

Payments	Payments	—	(65)	(49)	(114)
Liability transfers (b)		—	—	(15)	(15)
Payments					
Payments					
Liability at December 31, 2020		1,585	359	492	2,436
Liability at December 31, 2021					
Liability at December 31, 2021					
Liability at December 31, 2021					
Additions:	Additions:				
Accretion	Accretion	50	16	22	88
Adjustment for change in estimates		—	13	1	14
Accretion					
Accretion					
Adjustment for change in estimates (a)					
Reductions:	Reductions:				
Payments		—	(68)	(20)	(88)
Liability at December 31, 2021		1,635	320	495	2,450
Reductions:					
Reductions:					
Payments					
Payments					
Payments					
Liability transfers (b)					
Liability at December 31, 2022					
Liability at December 31, 2022					
Liability at December 31, 2022					
Additions:	Additions:				
Accretion	Accretion	53	14	20	87
Adjustment for change in estimates		—	22	27	49
Accretion					
Accretion					
Adjustment for change in estimates (a)					
Reductions:	Reductions:				
Reductions:					

Reductions:					
Payments	Payments	—	(70)	(18)	(88)
Liability transfers (b)		—	(2)	(59)	(61)
Payments					
Payments					
Liability at December 31, 2022		1,688	284	465	2,437
Liability at December 31, 2023					
Liability at December 31, 2023					
Liability at December 31, 2023					
Less amounts due currently	Less amounts due currently	—	(105)	(23)	(128)
Noncurrent liability at December 31, 2022		\$ 1,688	\$ 179	\$442	\$2,309
Noncurrent liability at December 31, 2023					

(a) The adjustment includes non-cash additions to asset retirement costs included in property, plant and equipment of \$67 million, \$19 million and \$19 million for nuclear plant decommissioning resulted from a new cost estimate completed in 2020. Under applicable accounting standards, the liability is remeasured when significant changes in the amount or timing of cash flows occur, years ended December 31, 2023, 2022 and the PUCT requires a new cost estimate at least every five years. The increase in the liability was driven by changes in assumptions including increased costs for labor, equipment and services and a delay in timing of when the U.S. Department of Energy is estimated to begin accepting spent fuel offsite. 2021, respectively.

(b) Represents ARO transferred to a third-party for remediation. Any remaining unpaid third-party obligation has been reclassified to other current liabilities and other noncurrent liabilities and deferred credits in our consolidated balance sheets.

Other Noncurrent Liabilities and Deferred Credits

The balance of other noncurrent liabilities and deferred credits consists of the following:

		December 31,	
		2022	2021
Retirement and other employee benefits (Note 16)			
		\$ 237	\$ 276
		December 31,	December 31,
		2023	2022
Retirement and other employee benefits (Note 18)			
Winter Storm Uri impact (a)	Winter Storm Uri impact (a)	35	261
Identifiable intangible liabilities (Note 5)			
		140	147

Identifiable intangible liabilities (Note 6)			
Regulatory liability (b)	Regulatory liability (b)	—	325
Finance lease liabilities	Finance lease liabilities	237	235
Uncertain tax positions, including accrued interest	Uncertain tax positions, including accrued interest	13	13
Liability for third-party remediation	Liability for third-party remediation	37	17
Accrued severance costs	Accrued severance costs	36	39
Accrued severance costs			
Accrued severance costs			
Other accrued expenses	Other accrued expenses	269	176
Total other noncurrent liabilities and deferred credits	Total other noncurrent liabilities and deferred credits	\$1,004	\$1,489

(a) As of December 31, 2022 and 2021, includes includes future bill credits related to large commercial and industrial customers that curtailed during Winter Storm Uri. As of December 31, 2021, also includes the allocation of ERCOT default uplift charges. See Note 12 for further discussion of the derecognition of ERCOT default uplift charges in the fourth quarter of 2022.

(b) As of December 31, 2022, the carrying value of our ARO related to our nuclear generation plant decommissioning was higher than the fair value of the assets contained in the nuclear decommissioning trust and recorded as a regulatory asset of \$40 million in other noncurrent assets. As of December 31, 2021, December 31, 2023, the fair value of the assets contained in the nuclear decommissioning trust was higher than the carrying value of our ARO related to our nuclear generation plant decommissioning and recorded as a regulatory liability of \$325 million \$209 million in other noncurrent liabilities and deferred credits. As of December 31, 2022, the carrying value of our ARO related to our nuclear generation plant decommissioning was higher than fair value of the assets contained in the nuclear decommissioning trust and recorded as a regulatory asset of \$40 million in other noncurrent assets.

Fair Value of Debt

		December 31, 2022		December 31, 2021	
	Fair Value Hierarchy	Carrying Amount	Fair Value	Carrying Amount	Fair Value
Long-term debt (see Note 10):					
Long-term debt under the Vistra Operations Credit Facilities	Level 2	\$ 2,519	\$ 2,486	\$ 2,549	\$ 2,518
Vistra Operations Senior Notes	Level 2	9,378	8,830	7,880	8,193
Forward Capacity Agreements	Level 3	—	—	211	211
Equipment Financing Agreements	Level 3	74	72	85	85
Building Financing	Level 2	—	—	3	3
Other debt	Level 3	—	—	3	3

Long-term debt (see Note 12):	Fair Value Hierarchy	December 31, 2023		December 31, 2022	
		Carrying Amount	Fair Value	Carrying Amount	Fair Value
Long-term debt under the Vistra Operations Credit Facilities	Level 2	\$ 2,456	\$ 2,500	\$ 2,519	\$ 2,486
Vistra Operations Senior Notes	Level 2	11,881	11,752	9,378	8,830
Equipment Financing Agreements	Level 3	65	62	74	72

We determine fair value in accordance with accounting standards as discussed in Note 14, 16. We obtain security pricing from an independent party who uses broker quotes and third-party pricing services to determine fair values. Where relevant, these prices are validated through subscription services, such as Bloomberg.

Supplemental Cash Flow Information

The following table reconciles cash, cash equivalents and restricted cash reported in our consolidated statements of cash flows to the amounts reported in our consolidated balance sheets at **December 31, 2022**, **December 31, 2023** and **2021**, **2022**:

		December 31,			
		2022	2021		
		December 31,		December 31,	
		2023		2023	2022
Cash and cash equivalents	Cash and cash equivalents	\$455	\$1,325		
Restricted cash included in current assets	Restricted cash included in current assets	37	21		
Restricted cash included in noncurrent assets	Restricted cash included in noncurrent assets	33	13		
Total cash, cash equivalents and restricted cash	Total cash, cash equivalents and restricted cash	\$525	\$1,359		

The following table summarizes our supplemental cash flow information for the years ended **December 31, 2022**, **December 31, 2023**, **2021**, **2022** and **2020**, **2021**, respectively.

		Year Ended December 31,					
		2022	2021	2020			
		Year Ended December 31,			Year Ended December 31,		
		2023	2022	2021	2023	2022	2021
Cash payments related to:	Cash payments related to:						
Interest paid	Interest paid						
Interest paid	Interest paid	\$581	\$482	\$503			
Capitalized interest	Capitalized interest	(29)	(26)	(21)			

Interest paid (net of capitalized interest)	Interest paid (net of capitalized interest)	\$552	\$456	\$482
Noncash investing and financing activities:				
Non-cash investing and financing activities:				
Non-cash investing and financing activities:				
Non-cash investing and financing activities:				
Accrued property, plant and equipment additions (a)	Accrued property, plant and equipment additions (a)	\$103	\$171	\$ 19
Disposition of investment in NELP		\$ —	\$ —	\$123
Acquisition of investment in NJEA		\$ —	\$ —	\$ 90
Accrued property, plant and equipment additions (a)				
Accrued property, plant and equipment additions (a)				
Book value of nuclear fuel sold				

(a) Represents property, plant and equipment accruals during the period for which cash has not been paid as of the end of the period.

For the years ended December 31, 2022 December 31, 2023, 2021 2022 and 2020, 2021, we paid federal income taxes of zero, \$1 million, zero and zero, respectively, paid state income taxes of \$33 million \$44 million, \$52 million \$33 million and \$40 million, respectively, received federal tax refunds of zero, zero and \$170 million \$52 million, respectively, and received state tax refunds of \$8 million \$13 million, \$2 million \$8 million and \$10 million \$2 million, respectively.

Item 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE

None.

Item 9A. CONTROLS AND PROCEDURES

An evaluation was performed under the supervision and with the participation of our management, including the principal executive officer and principal financial officer, of the effectiveness of the design and operation of the disclosure controls and procedures (as such term is defined in Rules 13a-15(e) and 15a-15(e) of the Exchange Act) in effect at December 31, 2022 December 31, 2023. Based on the evaluation performed, our principal executive officer and principal financial officer concluded that the disclosure controls and procedures were effective as of that date.

There have been no changes in our internal control over financial reporting (as such term is defined in Rules 13a-15(e) and 15a-15(e) of the Exchange Act) during the most recently completed fiscal quarter that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

VISTRA CORP. MANAGEMENT'S ANNUAL REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING

The management of Vistra Corp. is responsible for establishing and maintaining adequate internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) under the Securities Exchange Act of 1934) for the company. Vistra Corp.'s internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in condition or the deterioration of compliance with procedures or policies.

The management of Vistra Corp. performed an evaluation of the effectiveness of the company's internal control over financial reporting as of **December 31, 2022** **December 31, 2023** based on the Committee of Sponsoring Organizations of the Treadway Commission's (COSO's) *Internal Control - Integrated Framework (2013)*. Based on the review performed, management believes that as of **December 31, 2022** **December 31, 2023** Vistra Corp.'s internal control over financial reporting was effective.

The independent registered public accounting firm of Deloitte & Touche LLP as auditors of the consolidated financial statements of Vistra Corp. has issued an attestation report on Vistra Corp.'s internal control over financial reporting.

/s/ JAMES A. BURKE

James A. Burke
President and Chief Executive Officer
(Principal Executive Officer)

/s/ KRISTOPHER E. MOLDOVAN

Kristopher E. Moldovan
Chief Financial Officer
(Principal Financial Officer)

March 1, 2023 **February 28, 2024**

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the stockholders and the Board of Directors of Vistra Corp.

Opinion on Internal Control over Financial Reporting

We have audited the internal control over financial reporting of Vistra Corp. and subsidiaries (the "Company") as of **December 31, 2022** **December 31, 2023**, based on criteria established in *Internal Control — Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). In our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of **December 31, 2022** **December 31, 2023**, based on criteria established in *Internal Control — Integrated Framework (2013)* issued by COSO.

We have also audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the consolidated financial statements as of and for the year ended **December 31, 2022** **December 31, 2023**, of the Company and our report dated **March 1, 2023** **February 28, 2024**, expressed an unqualified opinion on those financial statements.

Basis for Opinion

The Company's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management's Annual Report on Internal Control over Financial Reporting. Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects. Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

Definition and Limitations of Internal Control over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ Deloitte & Touche LLP

Dallas, Texas

March 1, 2023 February 28, 2024

Item 9B. OTHER INFORMATION

None. (a) On February 25, 2024, Brian Ferraioli notified the Company that he will not seek re-election and will resign as a member of the Board of Directors (Board) of the Company, effective as of the date of the Company's 2024 annual meeting of stockholders (Annual Meeting). Mr. Ferraioli's other business and professional opportunities have increased in demand, and he is resigning from the Board to focus on those other opportunities. Mr. Ferraioli has served as a director of the Company since 2017. Mr. Ferraioli's decision not to seek re-election is not the result of any disagreement with the Company on any matter relating to the Company's operations, policies or practices.

In addition, on February 26, 2024, Jeff Hunter notified the Company that he will not seek re-election and will resign as a member of the Board, effective as of the Annual Meeting. Mr. Hunter's other business and professional opportunities have increased in demand, and he is resigning from the Board to focus on those other opportunities. Mr. Hunter has served as a director of the Company since 2016. Mr. Hunter's decision not to seek re-election is not the result of any disagreement with the Company on any matter relating to the Company's operations, policies or practices.

The Board and the Company express sincere appreciation to Messrs. Ferraioli and Hunter for their leadership, strategic contributions, and dedicated service to the Board and the Company.

(b) During the three months ended December 31, 2023, none of our officers or directors adopted or terminated any contract, instruction, or written plan for the purchase or sale of Company securities that was intended to satisfy the affirmative defense conditions of Rule 10b5-1(c) or any "non-Rule 10b5-1 trading arrangement".

Item 9C. DISCLOSURE REGARDING FOREIGN JURISDICTIONS THAT PREVENT INSPECTIONS

None.

PART III

Item 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE

Code of Ethics

Vistra has adopted a code of ethics entitled "Vistra Code of Conduct" that applies to directors, officers and employees, including the chief executive officer and senior financial officers of Vistra. It may be accessed through the "Corporate Governance" section of the Company's website at www.vistracorp.com. Vistra also elects to disclose the information required by Form 8-K, Item 5.05, "Amendments to the Registrant's Code of Ethics, or Waiver of a Provision of the Code of Ethics," through the Company's website and will disclose such events within four business days following the date of the amendment or waiver, and such information will remain available on this website for at least a 12-month period. A copy of the "Vistra Code of Conduct" is available in print to any stockholder who requests it.

Other information required by this Item is incorporated by reference to the similarly named section of Vistra Definitive Proxy Statement for its 2023 2024 Annual Meeting of Stockholders.

Item 11. EXECUTIVE COMPENSATION

Information required by this Item is incorporated by reference to the similarly named section of Vistra's Definitive Proxy Statement for its 2023 2024 Annual Meeting of Stockholders.

Item 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS

Information required by this Item is incorporated by reference to the sections entitled "Beneficial Ownership of Common Stock of the Company" in Vistra's Definitive Proxy Statement for its 2023 2024 Annual Meeting of Stockholders.

Item 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE

Information required by this Item is incorporated by reference to the sections entitled "Business Relationships and Related Person Transactions Policy" and "Director Independence" in Vistra's Definitive Proxy Statement for its 2023 2024 Annual Meeting of Stockholders.

Item 14. PRINCIPAL ACCOUNTANT FEES AND SERVICES

Information required by this Item is incorporated by reference to the sections entitled "Principal Accounting Fees" in Vistra's Definitive Proxy Statement for its 2023 2024 Annual Meeting of Stockholders.

Deloitte & Touche LLP's PCAOB ID Number is 34.

PART IV

Item 15. EXHIBITS AND FINANCIAL STATEMENT SCHEDULES

(a) Our financial statements and financial statement schedules are incorporated under Part II, Item 8 of this annual report on Form 10-K.

(b) SCHEDULE I - CONDENSED FINANCIAL INFORMATION OF REGISTRANT

VISTRA CORP. (PARENT)
SCHEDULE I - CONDENSED FINANCIAL INFORMATION OF REGISTRANT
CONDENSED STATEMENTS OF OPERATIONS
(Millions of Dollars)

	Year Ended December 31, 202220222020				
	Year Ended December 31,		Year Ended December 31,		
	2023	2022	2023	2022	2021
Depreciation and amortization	\$16	(15)			
Selling, general and administrative expenses	(69)	(57)			
Operating loss	(85)	(77)			
Other income	6	3			
Interest expense and related charges	—	(7)			
Impacts of Tax Receivable Agreement					
Impacts of Tax Receivable Agreement					
Impacts of Tax Receivable Agreement					
Loss before income tax benefit	(207)	(144)			
Income tax benefit	47	25			
Equity in earnings (losses) of subsidiaries, net of tax	(1,067)	(605)			

Net	Net
income (loss)	income (loss)
	\$1,827,569

See Notes to the Condensed Financial Statements.

VISTRA CORP. (PARENT)

SCHEDULE I - CONDENSED FINANCIAL INFORMATION OF REGISTRANT

CONDENSED STATEMENTS OF CASH FLOWS

(Millions of Dollars)

		Year Ended December 31, 2022		2020	
		Year Ended December 31,		Year Ended December 31,	
		2023	2022	2023	2021
Cash flows —	Cash flows —				
operating	operating				
activities:	activities:				
Cash	Cash				
used in	used in				
operating	operating				
activities	activities	\$ (2,788)	(86)		
Cash used in operating					
activities					
Cash used in operating					
activities					
Cash flows —	Cash flows —				
investing	investing				
activities:	activities:				
Capital expenditures	Capital expenditures				
Capital expenditures	Capital expenditures				
Capital	Capital				
expenditures	expenditures	—	(15)		
Dividend	Dividend				
received	received				
from	from				
subsidiaries	subsidiaries	\$ 778	105		
Equity	Equity				
contribution	contribution				
to	to				
subsidiaries	subsidiaries	(988)	—		
Cash	Cash				
provided by	provided by				
(used in)	(used in)				
investing	investing				
activities	activities	1,758	1,090		
Cash provided by					
(used in) investing activities					
Cash provided by					
(used in) investing activities					
Cash flows —	Cash flows —				
financing	financing				
activities:	activities:				
Issuances	Issuances				
of preferred	of preferred				
stock	stock	2,900	—		

Repayments/repurchases of debt	— (747)
Debt tender offer and other debt financing fees	— (17)
Issuances of preferred stock	
Issuances of preferred stock	
Stock repurchases	
Stock repurchases	
Stock repurchases	(4,947) —
Dividends paid to common stockholders	(3,290) (266)
Dividends paid to preferred stockholders	(151) —
Other, net	4 (23) —
Cash provided by (used in) financing activities	(2,362) (6030)
Net change in cash, cash equivalents and restricted cash	(615) (26)
Cash, cash equivalents and restricted cash — beginning balance	66873 99
Cash, cash equivalents and restricted cash — ending balance	\$ 55668 73

See Notes to the Condensed Financial Statements.

VISTRA CORP. (PARENT)
SCHEDULE I - CONDENSED FINANCIAL INFORMATION OF REGISTRANT
CONDENSED BALANCE SHEETS
(Millions of Dollars)

		December 31,	
		2022	2021
		December 31,	December 31,
		2023	2022
ASSETS	ASSETS		

Cash and cash equivalents	Cash and cash equivalents	\$ 54	\$ 668
Cash and cash equivalents			
Cash and cash equivalents			
Trade accounts receivable — net			
Trade accounts receivable — net			
Trade accounts receivable — net	Trade accounts receivable — net	11	8
Income taxes receivable	Income taxes receivable	27	15
Prepaid expense and other current assets	Prepaid expense and other current assets	1	1
Total current assets	Total current assets	93	692
Investment in affiliated companies	Investment in affiliated companies	4,462	7,157
Property, plant and equipment — net	Property, plant and equipment — net	3	3
Identifiable intangible assets — net	Identifiable intangible assets — net	15	31
Accumulated deferred income taxes	Accumulated deferred income taxes	1,019	1,016
Other noncurrent assets		—	1
Total assets	Total assets		
Total assets			
Total assets	Total assets	\$5,592	\$8,900
LIABILITIES AND EQUITY	LIABILITIES AND EQUITY		
Trade accounts payable			
Trade accounts payable			
Trade accounts payable	Trade accounts payable	\$ 3	\$ 114
Accounts payable — affiliates	Accounts payable — affiliates	122	72
Accrued taxes	Accrued taxes	(1)	—

Other current liabilities	Other current liabilities	9	3
Other current liabilities			
Other current liabilities			
Total current liabilities	Total current liabilities	133	189
Tax Receivable Agreement obligations	Tax Receivable Agreement obligations	514	394
Tax Receivable Agreement obligations			
Tax Receivable Agreement obligations			
Other noncurrent liabilities and deferred debits			
Other noncurrent liabilities and deferred debits			
Other noncurrent liabilities and deferred debits	Other noncurrent liabilities and deferred debits	27	25
Total liabilities	Total liabilities	674	608
Total stockholders' equity	Total stockholders' equity	4,918	8,292
Total liabilities and equity	Total liabilities and equity	\$5,592	\$8,900

See Notes to the Condensed Financial Statements.

NOTES TO CONDENSED FINANCIAL STATEMENTS

1. BASIS OF PRESENTATION

The accompanying unconsolidated condensed balance sheets, statements of net loss and cash flows present results of operations and cash flows of Vistra Corp. (Parent). Certain information and footnote disclosures normally included in financial statements prepared in accordance with U.S. GAAP have been omitted pursuant to the rules of the SEC. Because the unconsolidated condensed financial statements do not include all of the information and footnotes required by U.S. GAAP, they should be read in conjunction with the financial statements and related notes of Vistra Corp. and Subsidiaries included in the annual report on Form 10-K for the year ended **December 31, 2021** **December 31, 2023**. Vistra Corp.'s subsidiaries have been accounted for under the equity method. All dollar amounts in the financial statements and tables in the notes are stated in millions of U.S. dollars unless otherwise indicated.

Vistra Corp. (Parent) files a consolidated U.S. federal income tax return. Consolidated tax expenses or benefits and deferred tax assets or liabilities have been allocated to the respective subsidiaries in accordance with the accounting rules that apply to separate financial statements of subsidiaries.

2. RESTRICTIONS ON SUBSIDIARIES

The Vistra Operations Credit Agreement generally restricts the ability of Vistra Operations to make distributions to any direct or indirect parent unless such distributions are expressly permitted thereunder. As of **December 31, 2022** **December 31, 2023**, Vistra Operations can distribute approximately **\$4.2 billion** **\$6.3 billion** to Vistra Corp. (Parent) under the Vistra Operations Credit Agreement without the consent of any party. The amount that can be distributed by Vistra Operations to Parent was partially reduced by distributions made by Vistra Operations to Vistra Corp. (Parent) of approximately **\$1.775 billion** **\$1.625 billion**, **\$405 million** **\$1.775 billion** and **\$1.105 billion** **\$405 million** during the years ended **December 31, 2022** **December 31, 2023**, **2021** **2022** and **2020**, **2021**, respectively. Additionally, Vistra Operations may make distributions to Vistra Corp. (Parent) in amounts sufficient for Vistra Corp. (Parent) to make any payments required under the TRA or the Tax Matters Agreement or, to the extent arising out of Vistra Corp. (Parent)'s ownership or

operation of Vistra Operations, to pay any taxes or general operating or corporate overhead expenses. As of **December 31, 2022** **December 31, 2023**, all of the restricted net assets of Vistra Operations may be distributed to Vistra Corp. (Parent).

3. GUARANTEES

Vistra Corp. (Parent) has entered into contracts that contain guarantees to unaffiliated parties that could require performance or payment under certain conditions. As of **December 31, 2022** **December 31, 2023**, there are no material outstanding claims related to guarantee obligations of Vistra Corp. (Parent), and Vistra Corp. (Parent) does not anticipate it will be required to make any material payments under these guarantees in the near term.

4. DIVIDEND RESTRICTIONS

Under applicable law, Vistra Corp. (Parent) is prohibited from paying any dividend to the extent that immediately following payment of such dividend there would be no statutory surplus or Vistra Corp. (Parent) would be insolvent.

Vistra Corp. (Parent) received **\$1.775 billion** **\$1.625 billion**, **\$405 million** **\$1.775 billion** and **\$1.105 billion** **\$405 million** in dividends from its consolidated subsidiaries in the years ended **December 31, 2022** **December 31, 2023**, **2021** **2022** and **2020**, **2021**, respectively. In the year ended December 31, 2021, Vistra Corp. (Parent) made an equity contribution to Vistra Operations of **\$988 million**. **\$988 million**.

(c) EXHIBITS:

Vistra Corp. Exhibits to Form 10-K for the Fiscal Year Ended December 31, 2022 December 31, 2023									
		Previously Filed With		File		As			
Exhibits	Exhibits	Number*	Exhibit						
(2)	(2)	Plan of Acquisition, Reorganization, Arrangement, Liquidation, or Succession							
(2)									
(2)	Plan of Acquisition, Reorganization, Arrangement, Liquidation, or Succession								
2.1									
2.1									
2.1	2.1	333-215288 Form S-1 (filed December 23, 2016)	2.1	—	Order of the United States Bankruptcy Court for the District of Delaware Confirming the Third Amended Joint Plan of Reorganization	333-215288 Form S-1 (filed December 23, 2016)	2.1	—	Order of the United States Bankruptcy Court for the District of Delaware Confirming the Third Amended Joint Plan of Reorganization
2.2	2.2	001-38086 Form 8-K (filed October 31, 2017)	2.1	—	Agreement and Plan of Merger, dated as of October 29, 2017, by and between Vistra Energy Corp. (now known as Vistra Corp.) and Dynegy, Inc.				
2.2									
2.2	001-38086 Form 8-K (filed October 31, 2017)								
			2.1	—	Agreement and Plan of Merger, dated as of October 29, 2017, by and between Vistra Energy Corp. (now known as Vistra Corp.) and Dynegy, Inc.				

2.3					
2.3					
2.3		001-38086	2.1	—	Transaction Agreement, dated March 6, 2023, by and among Vistra Operations Company LLC, Black Pen Inc. and Energy Harbor Corp.
		Form 8-K			
		(filed March 7, 2023)			
(3(i))					
(3(i))					
(3(i))	(3(i))	Articles of Incorporation			Articles of Incorporation
3.1	3.1	001-38086	3.1	—	Restated Certificate of Incorporation of Vistra Energy Corp. (now known as Vistra Corp.)
		Form 8-K			
		(filed May 4, 2020)			
3.1					
3.1		001-38086	3.1	—	Restated Certificate of Incorporation of Vistra Energy Corp. (now known as Vistra Corp.)
		Form 8-K			
		(filed May 4, 2020)			
3.2					
3.2					
3.2	3.2	001-38086	3.1	—	Certificate of Amendment of the Restated Certificate of Incorporation of Vistra Energy Corp. (now known as Vistra Corp.), effective July 2, 2020
		Form 8-K			
		(filed June 29, 2020)			
3.2					
3.3	3.3	001-38086	3.1	—	Series A Preferred Stock Certificate of Designation, filed with the Secretary of State of Delaware on October 14, 2021
		Form 8-K			
		(filed on October 15, 2021)			
3.3					
3.3		001-38086	3.1	—	Series A Preferred Stock Certificate of Designation, filed with the Secretary of State of Delaware on October 14, 2021
		Form 8-K			
		(filed on October 15, 2021)			
3.4		001-38086	3.1	—	Series B Preferred Stock Certificate of Designation, filed with the Secretary of State of Delaware on December 9, 2021
		Form 8-K			
		(filed on December 13, 2021)			

(3(ii)) By-laws

		Previously Filed With					
		File	As				
Exhibits	Exhibits	Number*	Exhibit				
3.4							
3.4							
3.4				001-38086	3.1	—	Series B Preferred Stock Certificate of Designation, filed with the Secretary of State of Delaware on December 9, 2021
				Form 8-K (filed on December 13, 2021)			
3.5							
3.5							
3.5				001-38086	3.1	—	Series C Preferred Stock Certificate of Designation filed with the Secretary of State of Delaware on December 29, 2023
				Form 8-K (filed on January 4, 2024)			
(3(ii))							
(3(ii))							
(3(ii))				By-laws			
3.5							
3.5							
3.5	3.5	001-38086	3.5	—	Amended and Restated Bylaws of Vistra Corp., effective February 23, 2022	001-38086	3.5
		Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)				Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)	
(4)	(4)	Instruments Defining the Rights of Security Holders, Including Indentures					
(4)							
(4)				Instruments Defining the Rights of Security Holders, Including Indentures			
4.1							
4.1							

4.1	4.1	001-38086	4.1	—	Indenture for 5.500% Senior Note due 2026, dated as of August 22, 2018, among Vistra Operations Company LLC, as issuer, the Subsidiary Guarantors (as defined therein), and Wilmington Trust, National Association, as Trustee	001-38086	Form 8-K (filed on August 23, 2018)		4.1	—	Indenture for 5.500% Senior Note due 2026, dated as of August 22, 2018, among Vistra Operations Company LLC, as issuer, the Subsidiary Guarantors (as defined therein), and Wilmington Trust, National Association, as Trustee
4.2	4.2	001-38086	4.2	—	Form of Rule 144A Global Security for 5.500% Senior Note due 2026 (included in Exhibit 4.1)						
4.2	4.2					001-38086	Form 8-K (filed on August 23, 2018)		4.2	—	Form of Rule 144A Global Security for 5.500% Senior Note due 2026 (included in Exhibit 4.1)
4.3	4.3	001-38086	4.3	—	Form of Regulation S Global Security for 5.500% Senior Note due 2026 (included in Exhibit 4.1)	001-38086	Form 8-K (filed on August 23, 2018)		4.3	—	Form of Regulation S Global Security for 5.500% Senior Note due 2026 (included in Exhibit 4.1)

4.4	4.4	001-38086	4.5	—	First Supplemental Indenture for the 5.500% Senior Notes due 2026, dated August 30, 2019, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee		
4.4	4.4			001-38086	4.5	—	First Supplemental Indenture for the 5.500% Senior Notes due 2026, dated August 30, 2019, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
4.5	4.5			Form 10-Q (Quarter ended September 30, 2019) (filed on November 5, 2019)			
4.5	4.5	001-38086	4.36	—	Second Supplemental Indenture for the 5.500% Senior Notes due 2026, dated October 25, 2019, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee		
4.5	4.5	Form 10-K (Year ended December 31, 2019) (filed on February 28, 2020)		001-38086	4.36	—	Second Supplemental Indenture for the 5.500% Senior Notes due 2026, dated October 25, 2019, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
4.6	4.6			Form 10-K (Year ended December 31, 2019) (filed on February 28, 2020)			
4.6	4.6	001-38086	4.5	—	Third Supplemental Indenture for the 5.500% Senior Notes due 2026, dated January 31, 2020, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee		
		Form 10-Q (Quarter ended March 31, 2020) (filed on May 5, 2020)					

[illegible]

4.11

4.11		001-38086	4.11	—	Eighth Supplemental Indenture for the 5.500% Senior Notes due 2026, dated December 28, 2021, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
		Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)			
4.12	**			—	Ninth Supplemental Indenture for the 5.500% Senior Notes due 2026, dated December 15, 2022, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
4.13	001-38086	4.1	—	Indenture for 5.625% Senior Note due 2027, dated as of February 6, 2019, among Vistra Operations Company LLC, as issuer, the Subsidiary Guarantors (as defined therein), and Wilmington Trust, National Association, as Trustee	
		Form 8-K (filed on February 6, 2019)			

		Previously Filed With		
Exhibits	Exhibits	File Number*	As	Exhibit
4.12				
4.12				
4.12				
		001-38086	4.12	—
		Form 10-K (Year ended December 31, 2022) (filed on March 1, 2023)		Ninth Supplemental Indenture for the 5.500% Senior Notes due 2026, dated December 15, 2022, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
4.13				
4.13				

4.13				001-38086	Form 10-Q (Quarter ended September 30, 2023) (filed on November 7, 2023)	4.1	—	Tenth Supplemental Indenture for the 5.500% Senior Notes due 2026, dated July 31, 2023, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee			
4.14											
4.14											
4.14	4.14	001-38086	4.2	—	Form of Rule 144A Global Security for 5.625% Senior Note due 2027 (included in Exhibit 4.1)	001-38086	Form 8-K	(filed on February 6, 2019)	4.1	—	Indenture for 5.625% Senior Note due 2027, dated as of February 6, 2019, among Vista Operations Company LLC, as issuer, the Subsidiary Guarantors (as defined therein), and Wilmington Trust, National Association, as Trustee
4.15	4.15	001-38086	4.3	—	Form of Regulation S Global Security for 5.625% Senior Note due 2027 (included in Exhibit 4.1)						
4.15											
4.15						001-38086	Form 8-K	(filed on February 6, 2019)	4.2	—	Form of Rule 144A Global Security for 5.625% Senior Note due 2027 (included in Exhibit 4.1)
4.16											
4.16											
4.16	4.16	001-38086	4.6	—	First Supplemental Indenture for the 5.625% Senior Notes due 2027, dated August 30, 2019, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee	001-38086	Form 8-K	(filed on February 6, 2019)	4.3	—	Form of Regulation S Global Security for 5.625% Senior Note due 2027 (included in Exhibit 4.1)

4.22	4.22	001-38086 Form 10-Q (Quarter ended September 30, 2021) (filed on November 5, 2021)	4.4	—	Seventh Supplemental Indenture for the 5.625% Senior Notes due 2027, dated July 29, 2021, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee	001-38086 Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)		4.18	—	Sixth Supplemental Indenture for the 5.625% Senior Notes due 2027, dated January 8, 2021, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
4.23	4.23	001-38086 Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)	4.22	—	Eighth Supplemental Indenture for the 5.625% Senior Notes due 2027, dated December 28, 2021, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee					
4.23	4.23					001-38086 Form 10-Q (Quarter ended September 30, 2021) (filed on November 5, 2021)		4.4	—	Seventh Supplemental Indenture for the 5.625% Senior Notes due 2027, dated July 29, 2021, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
4.24	4.24									
4.24	4.24	**	—	Ninth Supplemental Indenture for the 5.625% Senior Notes due 2027, dated December 15, 2022, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee	001-38086 Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)			4.22	—	Eighth Supplemental Indenture for the 5.625% Senior Notes due 2027, dated December 28, 2021, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee

4.25	4.25	001-38086	4.1	—	Indenture for 5.00% Senior Notes due 2027, dated as of June 21, 2019, among Vistra Operations Company LLC, as the Subsidiary Guarantors (as defined therein), and Wilmington Trust, National Association, as Trustee
4.25					
4.25		001-38086		4.24	— Ninth Supplemental Indenture for the 5.625% Senior Notes due 2027, dated December 15, 2022, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
					Form 10-K (Year ended December 31, 2022) (filed on March 1, 2023)
4.26		001-38086	4.2	—	Form of Rule 144A Global Security for 5.00% Senior Notes due 2027 (included in Exhibit 4.1)
4.27		001-38086	4.3	—	Form of Regulation S Global Security for 5.00% Senior Notes due 2027 (included in Exhibit 4.1)

	Previously Filed With		
	File	As	
Exhibits	Exhibits	Number*	Exhibit
4.26			
4.26			
4.26	001-38086	4.2	— Tenth Supplemental Indenture for the 5.625% Senior Notes due 2027, dated July 31, 2023, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
	Form 10-Q (Quarter ended September 30, 2023) (filed on November 7, 2023)		
4.27			
4.27			

4.27				001-38086 Form 8-K (filed on June 24, 2019)	4.1 — Indenture for 5.00% Senior Notes due 2027, dated as of June 21, 2019, among Vistra Operations Company LLC, as Issuer, the Subsidiary Guarantors (as defined therein), and Wilmington Trust, National Association, as Trustee	
4.28						
4.28						
4.28	4.28	001-38086	4.7 —	First Supplemental Indenture for the 5.000% Senior Notes due 2027, dated August 30, 2019, filed on November 5, 2019) among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee	001-38086 Form 8-K (filed on June 24, 2019)	4.2 — Form of Rule 144A Global Security for 5.00% Senior Notes due 2027 (included in Exhibit 4.1)
4.29	4.29	001-38086	4.46 —	Second Supplemental Indenture for the 5.000% Senior Notes due 2027, dated October 25, 2019, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee		
4.29						
4.29				001-38086 Form 8-K (filed on June 24, 2019)	4.3 — Form of Regulation S Global Security for 5.00% Senior Notes due 2027 (included in Exhibit 4.1)	
4.30						
4.30						

4.30	4.30	001-38086	4.9	—	Third Supplemental Indenture for the 5.000% Senior Notes due 2027, dated August 30, 2019, among the Guarantoring Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee	001-38086	Form 10-Q (Quarter ended September 30, 2019) (filed on November 5, 2019)	4.7	—	First Supplemental Indenture for the 5.000% Senior Notes due 2027, dated August 30, 2019, among the Guarantoring Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
4.31	4.31	001-38086	4.10	—	Fourth Supplemental Indenture for the 5.000% Senior Notes due 2027, dated March 26, 2020, among the Guarantoring Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee					
4.31	4.31					001-38086	Form 10-K (Year ended December 31, 2019) (filed on February 28, 2020)	4.46	—	Second Supplemental Indenture for the 5.000% Senior Notes due 2027, dated October 25, 2019, among the Guarantoring Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
4.32	4.32	001-38086	4.26	—	Fifth Supplemental Indenture for the 5.000% Senior Notes due 2027, dated October 7, 2020, among the Guarantoring Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee	001-38086	Form 10-Q (Quarter ended March 31, 2020) (filed on May 5, 2020)	4.9	—	Third Supplemental Indenture for the 5.000% Senior Notes due 2027, dated January 31, 2020, among the Guarantoring Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee

4.33	4.33	001-38086	4.27	—	Sixth Supplemental Indenture for the 5.000% Senior Notes due 2027, dated January 8, 2021, among the Guaranteing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee				
4.33									
4.33						001-38086	4.10	—	Fourth Supplemental Indenture for the 5.000% Senior Notes due 2027, dated March 26, 2020, among the Guaranteing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
4.34						Form 10-Q (Quarter ended March 31, 2020) (filed on May 5, 2020)			
4.34									
4.34	4.34	001-38086	4.5	—	Seventh Supplemental Indenture for the 5.000% Senior Notes due 2027, dated July 29, 2021, among the Guaranteing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee	001-38086	4.26	—	Fifth Supplemental Indenture for the 5.000% Senior Notes due 2027, dated October 7, 2020, among the Guaranteing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
		Form 10-Q (Quarter ended September 30, 2021) (filed on November 5, 2021)				Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)			
4.35	4.35	001-38086	4.33	—	Eighth Supplemental Indenture for the 5.000% Senior Notes due 2027, dated December 28, 2021, among the Guaranteing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee				
		Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)							
4.35									

4.35				001-38086	4.27	—	Sixth Supplemental Indenture for the 5.000% Senior Notes due 2027, dated January 8, 2021, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
				Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)			
4.36							
4.36							
4.36	4.36	**	—	Ninth Supplemental Indenture for the 5.000% Senior Notes due 2027, dated December 15, 2022, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee	001-38086	4.5	—
				Form 10-Q (Quarter ended September 30, 2021) (filed on November 5, 2021)			Seventh Supplemental Indenture for the 5.000% Senior Notes due 2027, dated July 29, 2021, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
4.37	4.37	001-38086	4.1	—			
		Form 8-K (filed on June 17, 2019)		Indenture, dated as of June 11, 2019, between Vistra Operations Company LLC, as Issuer, and Wilmington Trust, National Association, as Trustee			
4.37							
4.37				001-38086	4.33	—	Eighth Supplemental Indenture for the 5.000% Senior Notes due 2027, dated December 28, 2021, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
				Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)			
4.38							
4.38							

4.38	4.38	001-38086	4.2	—	Supplemental Indenture for 3.55% Senior Secured Notes due 2024 and 4.30% Senior Secured Notes Due 2029, dated as of June 11, 2019, among Vistra Operations Company LLC, as Issuer, the Subsidiary Guarantors (as defined therein), and Wilmington Trust, National Association, as Trustee	001-38086		4.36	—	Ninth Supplemental Indenture for the 5.000% Senior Notes due 2027, dated December 15, 2022, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
		Form 8-K (filed on June 17, 2019)				Form 10-K (Year ended December 31, 2022) (filed on March 1, 2023)				
4.39	4.39	001-38086	4.3	—	Form of Rule 144A Global Security for 3.55% Senior Notes due 2024 (included in Exhibit 4.2)					
		Form 8-K (filed on June 17, 2019)								
4.39	4.39	001-38086	4.3	—	Tenth Supplemental Indenture for the 5.000% Senior Notes due 2027, dated July 31, 2023, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee	001-38086		4.3	—	Tenth Supplemental Indenture for the 5.000% Senior Notes due 2027, dated July 31, 2023, among the Guaranteeing Subsidiaries, the Company, the Subsidiary Guarantors and the Trustee
		Form 10-Q (Quarter ended September 30, 2023) (filed on November 7, 2023)								
4.40	4.40	001-38086	4.4	—	Form of Rule 144A Global Security for 4.30% Senior Notes due 2029 (included in Exhibit 4.2)					
		Form 8-K (filed on June 17, 2019)								
4.41	4.41	001-38086	4.5	—	Form of Regulation S Global Security for 3.55% Senior Notes due 2024 (included in Exhibit 4.2)					
		Form 8-K (filed on June 17, 2019)								

		Previously Filed With		As			
Exhibits	Exhibits	Number*	Exhibit				
4.40							
4.40							
4.40				001-38086	4.1	—	Indenture, dated as of June 11, 2019, between Vistra Operations Company LLC, as Issuer, and Wilmington Trust, National Association, as Trustee
				Form 8-K			
				(filed on June 17, 2019)			
4.41							
4.41							
4.41				001-38086	4.2	—	Supplemental Indenture for 3.55% Senior Secured Notes due 2024 and 4.30% Senior Secured Notes Due 2029, dated as of June 11, 2019, among Vistra Operations Company LLC, as Issuer, the Subsidiary Guarantors (as defined therein), and Wilmington Trust, National Association, as Trustee
				Form 8-K			
				(filed on June 17, 2019)			
4.42							
4.42							
4.42	4.42	001-38086	4.6	—	Form of	001-38086	4.3
		Form 8-K			Regulation S	Form 8-K	—
		(filed on			Global	(filed on June 17,	Form of Rule 144A Global Security for 3.55% Senior Notes due 2024 (included in
		June 17,			Security for	2019)	Exhibit 4.2)
		2019)			4.30% Senior		
					Notes due		
					2029		
					(included in		
					Exhibit 4.2)		
4.43	4.43	001-38086	4.8	—	Second		
		Form 10-Q			Supplemental		
		(Quarter			Indenture for		
		ended			3.55% Senior		
		September			Secured		
		30, 2019)			Notes due		
		(filed on			2024 and		
		November			4.30% Senior		
		5, 2019)			Secured		
					Notes due		
					2029, dated		
					as of August		
					30, 2019,		
					among Vistra		
					Operations		
					Company		
					LLC, as		
					Issuer, the		
					Guaranteeing		
					Subsidiaries,		
					the		
					Subsidiary		
					Guarantors		
					and the		
					Trustee		
4.43							
4.43				001-38086	4.4	—	Form of Rule 144A Global Security for 4.30% Senior Notes due 2029 (included in
				Form 8-K			Exhibit 4.2)
				(filed on June 17, 2019)			
4.44							
4.44							

4.44	4.44	001-38086 Form 8-K (filed on November 21, 2019)	4.1	—	Third Supplemental Indenture for 3.55% Senior Secured Notes due 2024 and 4.30% Senior Secured Notes due 2029, dated as of October 25, 2019, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, Subsidiary Guarantors and the Trustee	001-38086 Form 8-K (filed on June 17, 2019)	4.5	—	Form of Regulation S Global Security for 3.55% Senior Notes due 2024 (included in Exhibit 4.2)
4.45	4.45	001-38086 Form 8-K (filed on November 21, 2019)	4.2	—	Fourth Supplemental Indenture, dated as of November 15, 2019, among Vistra Operations Company LLC, as Issuer, the Subsidiary Guarantors (as defined therein), and Wilmington Trust, National Association, as Trustee				
4.45	4.45					001-38086 Form 8-K (filed on June 17, 2019)	4.6	—	Form of Regulation S Global Security for 4.30% Senior Notes due 2029 (included in Exhibit 4.2)
4.46	4.46								
4.46	4.46	001-38086 Form 8-K (filed on November 21, 2019)	4.3	—	Form of Rule 144A Global Security for 3.70% Senior Note due 2027 (included in Exhibit 4.2)	001-38086 Form 10-Q (Quarter ended September 30, 2019) (filed on November 5, 2019)	4.8	—	Second Supplemental Indenture for 3.55% Senior Secured Notes due 2024 and 4.30% Senior Secured Notes due 2029, dated as of August 30, 2019, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee

4.47	4.47	001-38086	4.4	—	Form of Regulation S Global Security for 3.70% Senior Note due 2027 (included in Exhibit 4.2)
4.47					
4.47		001-38086	4.1	—	Third Supplemental Indenture for 3.55% Senior Secured Notes due 2024 and 4.30% Senior Secured Notes due 2029, dated as of October 25, 2019, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, Subsidiary Guarantors and the Trustee
4.48					
4.48					
4.48	4.48	001-38086	4.11	—	Fifth Supplemental Indenture for 3.55% Senior Secured Notes due 2024, 3.70% Senior Secured Notes due 2027 and 4.30% Senior Secured Notes due 2029, dated as of January 31, 2020, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee
		Form 8-K (filed on November 21, 2019)			
			4.2	—	Fourth Supplemental Indenture, dated as of November 15, 2019, among Vistra Operations Company LLC, as Issuer, the Subsidiary Guarantors (as defined therein), and Wilmington Trust, National Association, as Trustee

4.49

4.49

001-38086

4.12

—

Sixth
Form 10-Q
(Quarter
ended
March 31,
2020)
(filed on
May 5,
2020)

[Supplemental
Indenture for
3.55% Senior
Secured
Notes due
2024, 3.70%
Senior
Secured
Notes due
2027 and
4.30% Senior
Secured
Notes due
2029, dated
as of March
26, 2020,
among Vistra
Operations
Company,
LLC, as
Issuer, the
Guaranteeing
Subsidiaries,
the
Subsidiary
Guarantors
and the
Trustee](#)

4.49

4.49

001-38086

4.3

—

Form of Rule 144A Global Security for 3.70% Senior Note due 2027 (included in Exhibit 4.2)

Form 8-K (filed
on November 21, 2019)

4.50

4.50

4.50	4.50	001-38086	4.41	—	Seventh Supplemental Indenture for 3.55% Senior Secured Notes due 2024, 3.70% Senior Secured Notes due 2027 and 4.30% Senior Secured Notes due 2029, dated as of October 7, 2020, among Vistra Operations Company, LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee	001-38086		4.4	—	Form of Regulation S Global Security for 3.70% Senior Note due 2027 (included in Exhibit 4.2)
		Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)				Form 8-K (filed on November 21, 2019)				
4.51	4.51	001-38086	4.42	—	Eighth Supplemental Indenture for 3.55% Senior Secured Notes due 2024, 3.70% Senior Secured Notes due 2027 and 4.30% Senior Secured Notes due 2029, dated as of January 8, 2021, among Vistra Operations Company, LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee					
		Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)								
4.51										

4.51				001-38086	4.11	—	Fifth Supplemental Indenture for 3.55% Senior Secured Notes due 2024, 3.70% Senior Secured Notes due 2027 and 4.30% Senior Secured Notes due 2029, dated as of January 31, 2020, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee
				Form 10-Q (Quarter ended March 31, 2020) (filed on May 5, 2020)			
4.52							
4.52							
4.52	4.52	001-38086	4.6	—	Ninth Supplemental Indenture for 3.55% Senior Secured Notes due 2024, 3.70% Senior Secured Notes due 2027 and 4.30% Senior Secured Notes due 2029, dated as of July 29, 2021, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee		
				Form 10-Q (Quarter ended March 31, 2020) (filed on May 5, 2020)	4.12	—	Sixth Supplemental Indenture for 3.55% Senior Secured Notes due 2024, 3.70% Senior Secured Notes due 2027 and 4.30% Senior Secured Notes due 2029, dated as of March 26, 2020, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee

4.53	4.53	001-38086	4.50	—	Tenth Supplemental Indenture for 3.55% Senior Secured Notes due 2024, 3.70% Senior Secured Notes due 2027 and 4.30% Senior Secured Notes due 2029, dated as of December 28, 2021, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee
		Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)			

4.53					
4.53		001-38086	4.41	—	Seventh Supplemental Indenture for 3.55% Senior Secured Notes due 2024, 3.70% Senior Secured Notes due 2027 and 4.30% Senior Secured Notes due 2029, dated as of October 7, 2020, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee
		Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)			

		Previously Filed With	
		File	As
Exhibits	Exhibits	Number*	Exhibit

4.54

4.54

001-38086

4.1

—

[Eleventh Supplemental Indenture for 4.875% Senior Secured Notes due 2024 and 5.125% Senior Secured Notes due 2025, dated as of May 13, 2022, among Vistra Operations Company LLC, as Issuer, the Subsidiary Guarantors \(as defined therein\), and Wilmington Trust, National Association, as Trustee](#)

4.54

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001-38086

4.42

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[Eighth Supplemental Indenture for 3.55% Senior Secured Notes due 2024, 3.70% Senior Secured Notes due 2027 and 4.30% Senior Secured Notes due 2029, dated as of January 8, 2021, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee](#)

Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)

4.55

4.55

4.55	4.55	**	—	Twelfth Supplemental Indenture for 3.55% Senior Secured Notes due 2024, 3.70% Senior Secured Notes due 2027, 4.30% Senior Secured Notes due 2029, 4.875% Senior Secured Notes due 2024 and 5.125% Senior Secured Notes due 2025, dated as of December 15, 2022, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee	001-38086 Form 10-Q (Quarter ended September 30, 2021) (filed on November 5, 2021)	4.6	—	Ninth Supplemental Indenture for 3.55% Senior Secured Notes due 2024, 3.70% Senior Secured Notes due 2027 and 4.30% Senior Secured Notes due 2029, dated as of July 29, 2021, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee
4.56	4.56	001-38086	4.2	—	Form of Rule 144A Global Security for 4.875% Senior Note due 2024 (included in Exhibit 4.1)	Form 8-K (filed on May 16, 2022)		
4.56	4.56				001-38086 Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)	4.50	—	Tenth Supplemental Indenture for 3.55% Senior Secured Notes due 2024, 3.70% Senior Secured Notes due 2027 and 4.30% Senior Secured Notes due 2029, dated as of December 28, 2021, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee

4.57	4.57	001-38086	4.3	—	Form of Regulation S Global Security for 4.875% Senior Note due 2024 (included in Exhibit 4.1)	001-38086	4.1	—	Eleventh Supplemental Indenture for 4.875% Senior Secured Notes due 2024 and 5.125% Senior Secured Notes due 2025, dated as of May 13, 2022, among Vistra Operations Company LLC, as Issuer, the Subsidiary Guarantors and the Trustee
4.57						001-38086			
4.57						Form 8-K			
						(filed on May 16, 2022)			
4.58									
4.58									
4.58	4.58	001-38086	4.4	—	Form of Rule 144A Global Security for 5.125% Senior Note due 2025 (included in Exhibit 4.1)	001-38086	4.2	—	Form of Rule 144A Global Security for 4.875% Senior Note due 2024 (included in Exhibit 4.1)
		Form 8-K				Form 8-K			
		(filed on May 16, 2022)				(filed on May 16, 2022)			
4.59	4.59	001-38086	4.5	—	Form of Regulation S Global Security for 5.125% Senior Note due 2025 (included in Exhibit 4.1)				
		Form 8-K							
		(filed on May 16, 2022)							
4.59									
4.59						001-38086	4.3	—	Form of Regulation S Global Security for 4.875% Senior Note due 2024 (included in Exhibit 4.1)
						Form 8-K			
						(filed on May 16, 2022)			
4.60									
4.60									
4.60	4.60	001-38086	4.1	—	Indenture for 4.375% Senior Notes due 2029, dated as of May 10, 2021, between Vistra Operations Company LLC, as Issuer, the Subsidiary Guarantors, and Wilmington Trust, National Association, as Trustee	001-38086	4.4	—	Form of Rule 144A Global Security for 5.125% Senior Note due 2025 (included in Exhibit 4.1)
		Form 8-K				Form 8-K			
		(filed on May 11, 2021)				(filed on May 16, 2022)			

4.61	4.61	001-38086	4.2	—	Form of Rule 144A Global Security for 4.375% Senior Notes due 2029 (included in Exhibit 4.1)				
4.61									
4.61		001-38086	4.5	—	Form of Regulation S Global Security for 5.125% Senior Note due 2025 (included in Exhibit 4.1)				
		Form 8-K							
		(filed on May 16, 2022)							
4.62									
4.62									
4.62	4.62	001-38086	4.3	—	Form of Regulation S Global Security for 4.375% Senior Notes due 2029 (included in Exhibit 4.1)	001-38086	4.55	—	Twelfth Supplemental Indenture for 3.55% Senior Secured Notes due 2024, 3.70% Senior Secured Notes due 2027, 4.30% Senior Secured Notes due 2029, 4.875% Senior Secured Notes due 2024 and 5.125% Senior Secured Notes due 2025, dated as of December 15, 2022, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee
		Form 8-K				Form 10-K (Year ended December 31, 2022) (filed on March 1, 2023)			
		(filed on May 11, 2021)							
4.63	4.63	001-38086	4.7	—	First Supplemental Indenture for the 4.375% Senior Notes due 2029, dated July 29, 2021, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee				
		Form 10-Q							
		(Quarter ended September 30, 2021) (filed on November 5, 2021)							
4.63									
4.63			4.4	—	Thirteenth Supplemental Indenture for 3.55% Senior Secured Notes due 2024, 3.70% Senior Secured Notes due 2027, 4.30% Senior Secured Notes due 2029, 4.875% Senior Secured Notes due 2024 and 5.125% Senior Secured Notes due 2025, dated as of July 31, 2023, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee				
		001-38086				Form 10-Q (Quarter ended September 30, 2023) (filed on November 7, 2023)			
4.64									
4.64									

4.64	4.64	001-38086	4.55	—	Second Supplemental Indenture for the 4.375% Senior Notes due 2029, dated December 28, 2021, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee	001-38086		4.1	—	Fourteenth Supplemental Indenture for the 6.950% Senior Secured Notes due 2033, dated as of September 26, 2023, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee
		Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)				Form 8-K (filed on October 2, 2023)				
4.65	4.65	**	—	Third Supplemental Indenture for the 4.375% Senior Notes due 2029, dated December 15, 2022, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee						
4.65	4.65					001-38086		4.2	—	Indenture for the 7.750% Senior Unsecured Notes due 2031, dated as of September 26, 2023, by and among Vistra Operations Company LLC, as Issuer, the Subsidiary Guarantors and the Trustee
						Form 8-K (filed on October 2, 2023)				

4.66 4.66 001-38086 4.7 — [Purchase and Sale Agreement dated as of August 21, 2018, between TXU Energy Retail Company, LLC as originator, and TXU Energy Receivables Company, LLC, as purchaser](#)

4.66 4.66 001-38086 4.3 — [Form of Rule 144A Global Security for 6.950% Senior Secured Note due 2033 \(included in Exhibit 4.1\)](#)
Form 8-K
(filed on October 2, 2023)

4.67 001-38086 4.8 — [Receivable Purchase Agreement dated as of August 21, 2018, among TXU Energy Receivables Company, LLC, as seller, TXU Energy Retail Company, LLC, as servicer, Vistra Operations Company, LLC, as performance guarantor, certain purchaser agents and purchasers named therein and Credit Agricole Corporate and Investment Bank, as administrator](#)

		Previously Filed With							
	File	As							
Exhibits	Exhibits	Number*	Exhibit						
4.67									
4.67									
4.67				001-38086 Form 8-K (filed on October 2, 2023)	4.4	—	Form of Regulation S Global Security for 6.950% Senior Secured Note due 2033 (included in Exhibit 4.1).		
4.68									
4.68									
4.68	4.68	001-38086 Form 8-K (filed on April 5, 2019)	4.1	—	First Amendment to Purchase and Sale Agreement, dated as of April 1, 2019, among TXU Energy Retail Company LLC, Dynegy Energy Services, LLC, and Dynegy Energy Services (East), LLC, each as an originator, and TXU Energy Receivables Company LLC, as purchaser	001-38086 Form 8-K (filed on October 2, 2023)	4.5	—	Form of Rule 144A Global Security for 7.750% Senior Unsecured Note due 2031 (included in Exhibit 4.2).

4.69	4.69	001-38086 Form 10-Q (Quarter ended June 30, 2019) (filed on August 2, 2019)	4.12	—	Second Amendment to Purchase and Sale Agreement, dated as of June 3, 2019, among TXU Energy Retail Company, LLC, Dynegy Energy Services, LLC, and Dynegy Energy Services (East), LLC, each as an originator, and TXU Energy Receivables Company, LLC, as purchaser
4.69			001-38086	4.6	— Form of Regulation S Global Security for 7.750% Senior Unsecured Note due 2031 (included in Exhibit 4.2)
4.69			Form 8-K (filed on October 2, 2023)		
4.70					
4.70					

4.70	4.70	001-38086 Form 8-K (filed on July 19, 2019)	4.1 — Third Amendment to Purchase and Sale Agreement, dated as of July 15, 2019, among TXU Energy Retail Company, LLC, Dynegy Energy Services, LLC, and Dynegy Energy Services (East), LLC, each as an originator, and TXU Energy Receivables Company, LLC, as purchaser	001-38086 Form 8-K (filed on May 11, 2021)	4.1 — Indenture for 4.375% Senior Notes due 2029, dated as of May 10, 2021, between Vistra Operations Company LLC, as Issuer, the Subsidiary Guarantors, and Wilmington Trust, National Association, as Trustee
4.71	4.71	001-38086 Form 8-K (filed on October 16, 2020)	4.1 — Fourth Amendment to Purchase and Sale Agreement, dated as of October 9, 2020, among TXU Energy Retail Company, LLC, as an originator and servicer, the other originators named therein, and TXU Energy Receivables Company, LLC, as purchaser		
4.71	4.71			001-38086 Form 8-K (filed on May 11, 2021)	4.2 — Form of Rule 144A Global Security for 4.375% Senior Notes due 2029 (included in Exhibit 4.1).

4.72	4.72	001-38086 Form 8-K (filed on December 28, 2020)	4.1	—	Fifth Amendment to Purchase and Sale Agreement, dated as of December 21, 2020, among TXU Energy Retail Company, LLC, certain originators named therein, and TXU Energy Receivables Company, LLC, as purchaser	4.72	001-38086 Form 8-K (filed on May 11, 2021)	4.3	—	Form of Regulation S Global Security for 4.375% Senior Notes due 2029 (included in Exhibit 4.1)
4.73	4.73	001-38086 Form 8-K (filed on April 5, 2019)	4.2	—	First Amendment to Receivables Purchase Agreement, dated as of April 1, 2019, among TXU Energy Receivables Company, LLC, as seller, TXU Energy Retail Company, LLC, as servicer, Vistra Operations Company, LLC, as performance guarantor, certain purchaser agents and purchasers named therein and Credit Agricole Corporate and Investment Bank, as administrator					

4.73

4.73					001-38086	4.7	—	First Supplemental Indenture for the 4.375% Senior Notes due 2029, dated July 29, 2021, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee
					Form 10-Q (Quarter ended September 30, 2021) (filed on November 5, 2021)			
4.74								
4.74								
4.74	4.74	001-38086	4.13	—	001-38086	4.55	—	Second Supplemental Indenture for the 4.375% Senior Notes due 2029, dated December 28, 2021, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee
		Form 10-Q (Quarter ended June 30, 2019) (filed on August 2, 2019)			Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)			
		Second Amendment to Receivables Purchase Agreement, dated as of June 3, 2019, among TXU Energy Receivables Company, LLC, as seller, TXU Energy Retail Company, LLC, as servicer, Vistra Operations Company, LLC, as performance guarantor, certain purchaser agents and purchasers named therein and Credit Agricole Corporate and Investment Bank, as administrator						

4.75

4.75

001-38086
Form 8-K
(filed on
July 19,
2019)

4.2

—

[Third
Amendment
to
Receivables
Purchase
Agreement,
dated as of
July 15,
2019,
among TXU
Energy
Receivables
Company
LLC, as
seller, TXU
Energy
Retail
Company
LLC, as
servicer,
Vistra
Operations
Company
LLC, as
performance
guarantor,
certain
purchaser
agents and
purchasers
named
therein and
Credit
Agricole
Corporate
and
Investment
Bank, as
administrator](#)

4.75

4.75

001-38086
Form 10-K (Year ended
December 31, 2022) (filed
on March 1, 2023)

4.65

—

[Third Supplemental Indenture for the 4.375% Senior Notes due 2029, dated
December 15, 2022, among Vistra Operations Company LLC, as Issuer, the
Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee](#)

4.76

4.76

4.76	4.76	**	—	Fourth Amendment to Receivables Purchase Agreement, dated as of November 15, 2019, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein and Credit Agricole Corporate and Investment Bank, as administrator	001-38086		4.5	—	Fourth Supplemental Indenture for the 4.375% Senior Notes due 2029, dated July 31, 2023, among Vistra Operations Company LLC, as Issuer, the Guaranteeing Subsidiaries, the Subsidiary Guarantors and the Trustee
					Form 10-Q				
					(Quarter ended				
					September 30,				
					2023) (filed on				
					November 7, 2023)				

4.77	4.77	001-38086 Form 8-K (filed on July 16, 2020)	4.1	—	Fifth Amendment to Receivables Purchase Agreement, dated as of July 13, 2020, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein and Credit Agricole Corporate and Investment Bank, as administrator
4.77	4.77	001-38086 Form 8-K (filed on August 23, 2018)	4.7	—	Purchase and Sale Agreement dated as of August 21, 2018, between TXU Energy Retail Company LLC as originator, and TXU Energy Receivables Company LLC, as purchaser
4.78	4.78	001-38086 Form 8-K (filed on August 23, 2018)	4.8	—	Receivable Purchase Agreement dated as of August 21, 2018, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein and Credit Agricole Corporate and Investment Bank, as administrator
4.79	4.79	001-38086 Form 8-K (filed on April 5, 2019)	4.1	—	First Amendment to Purchase and Sale Agreement, dated as of April 1, 2019, among TXU Energy Retail Company LLC, Dynegy Energy Services, LLC, and Dynegy Energy Services (East), LLC, each as an originator, and TXU Energy Receivables Company LLC, as purchaser
4.80	4.80				

4.80		001-38086	4.12	—	Second Amendment to Purchase and Sale Agreement, dated as of June 3, 2019, among TXU Energy Retail Company LLC, Dynegy Energy Services, LLC, and Dynegy Energy Services (East), LLC, each as an originator, and TXU Energy Receivables Company LLC, as purchaser
		Form 10-Q (Quarter ended June 30, 2019) (filed on August 2, 2019)			

		Previously		
		Filed With	As	
Exhibits	Exhibits	File Number*	Exhibit	
4.78		001-38086	4.2	— Sixth Amendment to Receivables Purchase Agreement, dated as of October 9, 2020, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein, and Credit Agricole Corporate and Investment Bank, as administrator
		Form 8-K (filed on October 16, 2020)		

4.79	001-38086	4.2	— Seventh
	Form 8-K		Amendment to
	(filed on		Receivables
	December		Purchase
	28, 2020)		Agreement,
			dated as of
			December 21,
			2020, among
			TXU Energy
			Receivables
			Company LLC,
			as seller, TXU
			Energy Retail
			Company LLC,
			as servicer,
			Vistra
			Operations
			Company LLC,
			as
			performance
			guarantor,
			certain
			purchaser
			agents and
			purchasers
			named therein,
			and Credit
			Agricole
			Corporate and
			Investment
			Bank, as
			administrator

4.80	001-38086	4.56	—	Eighth Amendment to Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)
				Receivables Purchase Agreement, dated as of February 19, 2020, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein, and Credit Agricole Corporate and Investment Bank, as administrator
4.81				
4.81				

4.81	4.81	001-38086	4.6	—	Ninth Amendment to Receivables Purchase Agreement, dated as of March 26, 2021, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein, and Credit Agricole Corporate and Investment Bank, as administrator	001-38086		4.1	—	Third Amendment to Purchase and Sale Agreement, dated as of July 15, 2019, among TXU Energy Retail Company LLC, Dynegy Energy Services, LLC, and Dynegy Energy Services (East), LLC, each as an originator, and TXU Energy Receivables Company LLC, as purchaser
					Form 10-Q (Quarter ended March 31, 2021) (filed on May 4, 2021)					Form 8-K (filed on July 19, 2019)

4.82

4.82

001-38086

4.1

— [Tenth](#)
[Amendment to](#)
[Form 8-K](#)
[\(filed on](#)
[July 15,](#)
[2021\)](#)
[Receivables](#)
[Purchase](#)
[Agreement,](#)
[dated as of](#)
[July 9, 2021,](#)
[among TXU](#)
[Energy](#)
[Receivables](#)
[Company LLC,](#)
[as seller, TXU](#)
[Energy Retail](#)
[Company LLC,](#)
[as servicer,](#)
[Vistra](#)
[Operations](#)
[Company LLC,](#)
[as](#)
[performance](#)
[guarantor,](#)
[certain](#)
[purchaser](#)
[agents and](#)
[purchasers](#)
[named therein,](#)
[and Credit](#)
[Agricole](#)
[Corporate and](#)
[Investment](#)
[Bank, as](#)
[administrator](#)

4.82

4.82

001-38086

4.1

— [Fourth Amendment to Purchase and Sale Agreement, dated as of October 9, 2020,](#)
[among TXU Energy Retail Company LLC, as an originator and servicer, the other](#)
[originators named therein, and TXU Energy Receivables Company LLC, as purchaser](#)

4.83

4.83

Form 8-K

(filed on October 16,

2020)

4.83	4.83	001-38086	4.2	—	Eleventh Amendment to Receivables Purchase Agreement, dated as of July 16, 2021, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein, and Credit Agricole Corporate and Investment Bank, as administrator	001-38086		4.1	—	Fifth Amendment to Purchase and Sale Agreement, dated as of December 21, 2020, among TXU Energy Retail Company LLC, certain originators named therein, and TXU Energy Receivables Company LLC, as purchaser
		Form 10-Q (Quarter ended September 30, 2021) (filed on November 5, 2021)				Form 8-K (filed on December 28, 2020)				

4.84	4.84	001-38086	4.1	—	Twelfth Amendment to Receivables Purchase Agreement, dated as of July 11, 2022, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein, and Credit Agricole Corporate and Investment Bank, as administrator				
4.84	4.84				001-38086	4.2	—	First Amendment to Receivables Purchase Agreement, dated as of April 1, 2019, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein and Credit Agricole Corporate and Investment Bank, as administrator	
4.85	4.85	001-33443	4.1	—	Warrant Agreement, dated February 2, 2017, by and among Dynegy, Computershare Inc. and Computershare Trust Company, N.A., as warrant agent	001-38086	4.13	—	Second Amendment to Receivables Purchase Agreement, dated as of June 3, 2019, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein and Credit Agricole Corporate and Investment Bank, as administrator
		Form of 8-K (filed on July 15, 2022)				Form 8-K (filed on April 5, 2019)			
						Form 10-Q (Quarter ended June 30, 2019) (filed on August 2, 2019)			

4.86	4.86	001-38086	4.2	—	Supplemental Warrant Agreement, dated as of April 9, 2018 among the Company and the Warrant Agent	
4.86						
4.86		001-38086	4.2	—	Third Amendment to Receivables Purchase Agreement, dated as of July 15, 2019, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein and Credit Agricole Corporate and Investment Bank, as administrator	
4.87						
4.87						
4.87	4.87	001-33443	4.1	—	Form of 8-K (filed on February 7, 2017)	001-38086 Form 10-K (Year ended December 31, 2022) (filed on March 1, 2023)
				4.76	—	Fourth Amendment to Receivables Purchase Agreement, dated as of November 15, 2019, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein and Credit Agricole Corporate and Investment Bank, as administrator
4.88	4.88	333-215288	4.1	—	Registration Rights Agreement, by and among TCEH Corp. (now known as Vistra Corp.) and the Holders party thereto, dated as of October 3, 2016	
4.88						
4.88		001-38086	4.1	—	Fifth Amendment to Receivables Purchase Agreement, dated as of July 13, 2020, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein and Credit Agricole Corporate and Investment Bank, as administrator	
4.89						
4.89						
4.89		001-38086	4.2	—	Sixth Amendment to Receivables Purchase Agreement, dated as of October 9, 2020, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein, and Credit Agricole Corporate and Investment Bank, as administrator	
4.90						
4.90						
4.90		001-38086	4.2	—	Seventh Amendment to Receivables Purchase Agreement, dated as of December 21, 2020, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein, and Credit Agricole Corporate and Investment Bank, as administrator	

Exhibits	Previously Filed With File Number*	As Exhibit		
4.89	001-38086 Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)	4.77	—	Description of Capital Stock
(10) Material Contracts				
Management Contracts; Compensatory Plans, Contracts and Arrangements				
10.1	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.6	—	2016 Omnibus Incentive Plan
10.2	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.7	—	Form of Option Award Agreement (Management) for 2016 Omnibus Incentive Plan (pre-2021 awards)
10.3	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.8	—	Form of Restricted Stock Unit Award Agreement (Management) for 2016 Omnibus Incentive Plan (pre-2021 awards)
10.4	001-33443 Form 10-K (Year ended December 31, 2017) (filed on February 26, 2018)	10(d)	—	Form of Performance Stock Unit Award Agreement for 2016 Omnibus Incentive Plan (pre-2021 awards)
10.5	001-38086 Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)	10.5	—	Form of Option Award Agreement (Management) for 2016 Omnibus Incentive Plan
10.6	001-38086 Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)	10.6	—	Form of Restricted Stock Unit Award Agreement (Management) for 2016 Omnibus Incentive Plan
10.7	001-38086 Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)	10.7	—	Form of Restricted Stock Unit Award Agreement (Director) for 2016 Omnibus Incentive Plan
10.8	001-38086 Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)	10.8	—	Form of Performance Stock Unit Award Agreement for 2016 Omnibus Incentive Plan
10.9	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.9	—	Vistra Corp. Executive Annual Incentive Plan
10.10	001-38086 Form 8-K (filed on May 23, 2019)	10.1	—	Amended and Restated 2016 Omnibus Incentive Plan, effective as of May 20, 2019
10.11	001-33443 Form 10-K (Year ended December 31, 2018) (filed on February 28, 2019)	10.7	—	Vistra Equity Deferred Compensation Plan for Certain Directors, effective as of January 1, 2019
10.12	001-38086 Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)	10.13	—	Amendment No. 1 to the Vistra Equity Deferred Compensation Plan, dated effective as of February 24, 2021

Exhibits	Previously Filed With File Number*	As Exhibit	
4.91	001-38086 Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)	4.56	— Eighth Amendment to Receivables Purchase Agreement, dated as of February 19, 2020, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein, and Credit Agricole Corporate and Investment Bank, as administrator
4.92	001-38086 Form 10-Q (Quarter ended March 31, 2021) (filed on May 4, 2021)	4.6	— Ninth Amendment to Receivables Purchase Agreement, dated as of March 26, 2021, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein, and Credit Agricole Corporate and Investment Bank, as administrator
4.93	001-38086 Form 8-K (filed on July 15, 2021)	4.1	— Tenth Amendment to Receivables Purchase Agreement, dated as of July 9, 2021, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein, and Credit Agricole Corporate and Investment Bank, as administrator
4.94	001-38086 Form 10-Q (Quarter ended September 30, 2021) (filed on November 5, 2021)	4.2	— Eleventh Amendment to Receivables Purchase Agreement, dated as of July 16, 2021, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein, and Credit Agricole Corporate and Investment Bank, as administrator
4.95	001-38086 Form of 8-K (filed on July 15, 2022)	4.1	— Twelfth Amendment to Receivables Purchase Agreement, dated as of July 11, 2022, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein, and Credit Agricole Corporate and Investment Bank, as administrator
4.96	001-33443 Form of 8-K (filed on July 17, 2023)	4.1	— Thirteenth Amendment to Receivables Purchase Agreement, dated as of July 11, 2023, among TXU Energy Receivables Company LLC, as seller, TXU Energy Retail Company LLC, as servicer, Vistra Operations Company LLC, as performance guarantor, certain purchaser agents and purchasers named therein and Credit Agricole Corporate and Investment Bank, as administrator
4.97	001-33443 Form of 8-K (filed on June 22, 2023)	4.1	— Facility Agreement, dated June 15, 2023, among Palomino Funding Trust I, Vistra Operations Company LLC, the subsidiary guarantors party thereto and Bank of New York Mellon Trust Company, N.A., as senior secured notes trustee
4.98	001-33443 Form of 8-K (filed on June 22, 2023)	4.2	— Amended and Restated Declaration of Trust of Palomino Funding Trust I, dated June 15, 2023, among Vistra Operations Company LLC, as depositor, The Bank of New York Mellon Trust Company, N.A., as trustee, BNY Mellon Trust of Delaware, as Delaware trustee, and Vistra Operations Company LLC, solely for the purposes of Sections 5.10(b) and (f), Sections 5.17(b), (d), (e) and (f) and Section 10.4(c)
4.99	001-33443 Form of 8-K (filed on June 22, 2023)	4.3	— Indenture, dated June 15, 2023, between Vistra Operations Company LLC, as issuer, and The Bank of New York Mellon Trust Company, N.A., as trustee
4.100	001-33443 Form of 8-K (filed on June 22, 2023)	4.4	— Supplemental Indenture, dated June 15, 2023, between Vistra Operations Company LLC, as issuer, the subsidiary guarantors party thereto and The Bank of New York Mellon Trust Company, N.A., as trustee
4.101	001-33443 Form of 8-K (filed on June 22, 2023)	4.5	— Form of 7.233% Senior Secured Notes due 2028 (included in Exhibit 4.4)

Exhibits	Previously Filed With File Number*	As Exhibit

10.13	001-38086 Form 8-K (filed May 4, 2018)	10.1	—	Amended and Restated Employment Agreement, dated as of May 1, 2018, between Curtis A. Morgan and Vistra Energy Corp. (now known as Vistra Corp.)
10.14	001-38086 Form 8-K (filed March 21, 2022)	10.1	—	Transition and Advisory Agreement, dated as of March 20, 2022, between Curtis A. Morgan and Vistra Corp.
10.15	001-38086 Form 8-K (filed March 21, 2022)	10.2	—	Second Amended and Restated Employment Agreement, dated March 20, 2022, between James A. Burke and Vistra Corp.
10.16	001-38086 Form 8-K (filed July 21, 2022)	10.1	—	Employment Agreement, dated as of July 20, 2022, between Kristopher E. Moldovan, Vistra Corp. and Vistra Corporate Services Company
10.17	001-38086 Form 10-Q (Quarter ended June 30, 2022) (filed on August 5, 2022)	10.6	—	Amended and Restated Employment Agreement, dated as of May 5, 2022, between Stephanie Zapata Moore, Vistra Corp. and Vistra Corporate Services Company
10.18	001-38086 Form 10-Q (Quarter ended June 30, 2022) (filed on August 5, 2022)	10.7	—	Amended and Restated Employment Agreement, dated as of May 5, 2022, between Carrie Lee Kirby, Vistra Corp. and Vistra Corporate Services Company
10.19	001-38086 Form 10-Q (Quarter ended June 30, 2022) (filed on August 5, 2022)	10.8	—	Amended and Restated Employment Agreement, dated as of May 5, 2022, between Scott A. Hudson, Vistra Corp. and Vistra Corporate Services Company
10.20	001-38086 Form 10-Q (Quarter ended June 30, 2022) (filed on August 5, 2022)	10.9	—	Amended and Restated Employment Agreement, dated as of May 5, 2022, between Stephen J. Muscato, Vistra Corp. and Vistra Corporate Services Company
10.21	001-38086 Form 10-Q (Quarter ended September 30, 2022) (filed on November 4, 2022)	10.4	—	Employment Agreement, dated as of August 23, 2022, between Stacey Doré, Vistra Corp. and Vistra Corporate Services Company
10.22	**		—	Form of indemnification agreement with directors and officers
10.23	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.29	—	Stock Purchase Agreement, dated as of October 25, 2016, by and between TCEH Corp. (now known as Vistra Corp.) and Curtis A. Morgan
Credit Agreements and Related Agreements				
10.24	333-215288 Form S-1 (filed December 23, 2016)	10.1	—	Credit Agreement, dated as of October 3, 2016
10.25	333-215288 Form S-1 (filed December 23, 2016)	10.2	—	Amendment to Credit Agreement, dated December 14, 2016, by and among Deutsche Bank AG New York Branch, Vistra Operations Company LLC, Vistra Intermediate Company LLC and the other Credit Parties and Lenders party thereto.
10.26	333-215288 Amendment No. 1 to Form S-1 (filed February 14, 2017)	10.3	—	Second Amendment to Credit Agreement, dated February 1, 2017, by and among Deutsche Bank AG New York Branch, Vistra Operations Company LLC, Vistra Intermediate Company LLC and the other Credit Parties and Lenders party thereto.

Exhibits	Previously Filed With File Number*	As Exhibit		
4.102	001-38086 Form 10-Q (Quarter ended September 30, 2023) (filed on November 7, 2023)	4.6	—	Second Supplemental Indenture for the 7.233% Senior Secured Notes due 2028, dated August 3, 2023, among Vistra Operations Company LLC, as Issuer, the subsidiary guarantors party thereto and the Bank of New York Mellon Trust Company, N.A., as trustee
4.103	333-215288 Form S-1 (filed December 23, 2016)	4.1	—	Registration Rights Agreement, by and among TCEH Corp. (now known as Vistra Corp.) and the Holders party thereto, dated as of October 3, 2016
4.104	**		—	Description of Capital Stock
(10)	Material Contracts			

Management Contracts; Compensatory Plans, Contracts and Arrangements

10.1	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.6	—	2016 Omnibus Incentive Plan
10.2	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.7	—	Form of Option Award Agreement (Management) for 2016 Omnibus Incentive Plan (pre-2021 awards)
10.3	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.8	—	Form of Restricted Stock Unit Award Agreement (Management) for 2016 Omnibus Incentive Plan (pre-2021 awards)
10.4	001-33443 Form10-K (Year ended December 31, 2017) (filed on February 26, 2018)	10(d)	—	Form of Performance Stock Unit Award Agreement for 2016 Omnibus Incentive Plan (pre-2021 awards)
10.5	001-38086 Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)	10.5	—	Form of Option Award Agreement (Management) for 2016 Omnibus Incentive Plan
10.6	001-38086 Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)	10.6	—	Form of Restricted Stock Unit Award Agreement (Management) for 2016 Omnibus Incentive Plan
10.7	001-38086 Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)	10.7	—	Form of Restricted Stock Unit Award Agreement (Director) for 2016 Omnibus Incentive Plan
10.8	001-38086 Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)	10.8	—	Form of Performance Stock Unit Award Agreement for 2016 Omnibus Incentive Plan
10.9	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.9	—	Vistra Corp. Executive Annual Incentive Plan
10.10	001-38086 Form 8-K (filed on May 23, 2019)	10.1	—	Amended and Restated 2016 Omnibus Incentive Plan, effective as of May 20, 2019
10.11	001-33443 Form10-K (Year ended December 31, 2018) (filed on February 28, 2019)	10.7	—	Vistra Equity Deferred Compensation Plan for Certain Directors, effective as of January 1, 2019

Exhibits	Previously Filed With File Number*	As Exhibit		
10.27	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.4	—	Third Amendment to Credit Agreement, dated February 28, 2017, by and among Deutsche Bank AG New York Branch, Vistra Operations Company LLC, Vistra Intermediate Company LLC and the other Credit Parties and Lenders party thereto.
10.28	001-38086 Form 8-K (filed August 17, 2017)	10.1	—	Fourth Amendment to Credit Agreement, dated as of August 17, 2017 (effective August 17, 2017), by and among Deutsche Bank AG New York Branch, Vistra Operations Company LLC, Vistra Intermediate Company LLC and the other Credit Parties and Lenders party thereto.

10.29	001-38086 Form 8-K (filed December 14, 2017)	10.1	—	Fifth Amendment to Credit Agreement, dated as of December 14, 2017 (effective December 14, 2017), by and among Deutsche Bank AG New York Branch, Vistra Operations Company LLC, Vistra Intermediate Company LLC and the other Credit Parties and Lenders party thereto.
10.30	001-38086 Form 8-K (filed February 22, 2018)	10.1	—	Sixth Amendment to Credit Agreement, dated as of February 20, 2018 (effective February 20, 2018), by and among Deutsche Bank AG New York Branch, Vistra Operations Company LLC, Vistra Intermediate Company LLC and the other Credit Parties and Lenders party thereto.
10.31	001-38086 Form 8-K (filed June 15, 2018)	10.1	—	Seventh Amendment to Credit Agreement, dated as of June 14, 2018, by and among Vistra Operations Company LLC, Vistra Intermediate Company LLC, the other Credit Parties party thereto, Credit Suisse and Citibank, N.A. as the 2018 Incremental Term Loan Lenders, the various other Lenders party thereto, Credit Suisse as Successor Administrative Agent and as Successor Collateral Agent, and Delaware Trust Company, as Collateral Trustee.
10.32	001-38086 Form 8-K (filed April 4, 2019)	10.4	—	Eighth Amendment to Credit Agreement, dated March 29, 2019, by and among Vistra Operations Company LLC, Vistra Intermediate Company LLC, the other Credit Parties (as defined in the Vistra Operations Credit Agreement) party thereto, Bank of Montreal, Chicago Branch, as new Revolving Loan Lender, Revolving Letter of Credit Issuer and Joint Lead Arranger, the various other Lenders and Letter of Credit Issuers party thereto, and Credit Suisse as Administrative Agent and Collateral Agent
10.33	001-38086 Form 8-K (filed May 29, 2019)	10.1	—	Ninth Amendment to Credit Agreement, dated May 29, 2019, by and among Vistra Operations Company LLC, Vistra Intermediate Company LLC, the other Credit Parties (as defined in the Vistra Operations Credit Agreement) party thereto, Sun Trust Bank, as incremental Revolving Loan Lender, and Credit Suisse AG, Cayman Island Branch, as Administrative Agent and Collateral Agent
10.34	001-38086 Form 8-K (filed on November 21, 2019)	10.1	—	Tenth Amendment to the Credit Agreement, dated November 15, 2019, by and among Vistra Operations Company LLC (as Borrower), Vistra Intermediate Company LLC (as Holdings), the other Credit Parties (as defined in the Credit Agreement) party thereto, the other Credit Parties (as defined in the Credit Agreement) party thereto, Credit Suisse AG, Cayman Islands Branch (as the 2019 Incremental Term Loan Lender and as Administrative Agent and as Collateral Agent), and the other Lenders party thereto

Exhibits	Previously Filed With File Number*	As Exhibit		
10.12	001-38086 Form 10-K (Year ended December 31, 2020) (filed on February 26, 2021)	10.13	—	Amendment No. 1 to the Vistra Equity Deferred Compensation Plan, dated effective as of February 24, 2021
10.13	001-38086 Form 8-K (filed May 4, 2018)	10.1	—	Amended and Restated Employment Agreement, dated as of May 1, 2018, between Curtis A. Morgan and Vistra Energy Corp. (now known as Vistra Corp.)
10.14	001-38086 Form 8-K (filed March 21, 2022)	10.1	—	Transition and Advisory Agreement, dated as of March 20, 2022, between Curtis A. Morgan and Vistra Corp.
10.15	**		—	Second Amended and Restated Employment Agreement, dated March 20, 2022, between James A. Burke and Vistra Corp.
10.16	**		—	Employment Agreement, dated as of July 20, 2022, between Kristopher E. Moldovan, Vistra Corp. and Vistra Corporate Services Company
10.17	**		—	Amended and Restated Employment Agreement, dated as of May 5, 2022, between Stephanie Zapata Moore, Vistra Corp. and Vistra Corporate Services Company
10.18	**		—	Amended and Restated Employment Agreement, dated as of May 5, 2022, between Carrie Lee Kirby, Vistra Corp. and Vistra Corporate Services Company
10.19	**		—	Amended and Restated Employment Agreement, dated as of May 5, 2022, between Scott A. Hudson, Vistra Corp. and Vistra Corporate Services Company
10.20	**		—	Amended and Restated Employment Agreement, dated as of May 5, 2022, between Stephen J. Muscato, Vistra Corp. and Vistra Corporate Services Company

10.21	**		—	Employment Agreement, dated as of August 23, 2022, between Stacey Doré, Vistra Corp. and Vistra Corporate Services Company
10.22	001-38086 Form 10-K (Year ended December 31, 2022) (filed on March 1, 2023)	10.22	—	Form of indemnification agreement with directors and officers
Credit Agreements and Related Agreements				
10.23	333-215288 Form S-1 (filed December 23, 2016)	10.1	—	Credit Agreement, dated as of October 3, 2016
10.24	333-215288 Form S-1 (filed December 23, 2016)	10.2	—	Amendment to Credit Agreement, dated December 14, 2016, by and among Deutsche Bank AG New York Branch, Vistra Operations Company LLC, Vistra Intermediate Company LLC and the other Credit Parties and Lenders party thereto.
10.25	333-215288 Amendment No. 1 to Form S-1 (filed February 14, 2017)	10.3	—	Second Amendment to Credit Agreement, dated February 1, 2017, by and among Deutsche Bank AG New York Branch, Vistra Operations Company LLC, Vistra Intermediate Company LLC and the other Credit Parties and Lenders party thereto.
10.26	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.4	—	Third Amendment to Credit Agreement, dated February 28, 2017, by and among Deutsche Bank AG New York Branch, Vistra Operations Company LLC, Vistra Intermediate Company LLC and the other Credit Parties and Lenders party thereto.

Exhibits	Previously Filed With File Number*	As Exhibit		
10.35	001-38086 Form 8-K (filed on May 5, 2022)	10.1	—	Eleventh Amendment to the Credit Agreement, dated April 29, 2022, by and among Vistra Operations Company LLC (as Borrower), Vistra Intermediate Company LLC (as Holdings), the other Credit Parties (as defined in the Credit Agreement) party thereto, the other Credit Parties (as defined in the Credit Agreement) party thereto, the financial institutions providing 2022 New Revolving Credit Commitments (as defined in the Credit Agreement), the Revolving Credit Lenders providing 2022 Extended Revolving Credit Commitments (as defined in the Credit Agreement), the Revolving Letter of Credit Issuers (as defined in the Credit Agreement) party thereto, and Credit Suisse AG, Cayman Islands Branch (as Administrative Agent and as Collateral Agent)
10.36	001-38086 Form 10-Q (Quarter ended September 30, 2022) (filed on November 4, 2022)	10.3	—	Twelfth Amendment to the Credit Agreement, dated July 18, 2022, by and among Vistra Operations Company LLC (as Borrower), Vistra Intermediate Company LLC (as Holdings), the other Credit Parties (as defined in the Credit Agreement) party thereto, financial institutions, Revolving Credit Lenders, and Revolving Letter of Credit Issuers (in each case as defined in the Credit Agreement) party thereto, and Credit Suisse AG, Cayman Islands Branch (as Administrative Agent and as Collateral Agent)
10.37	001-38086 Form 8-K (filed on August 7, 2018)	10.1	—	Purchase Agreement, dated August 7, 2018, by and among Vistra Operations Company LLC and Citigroup Global Markets Inc., on behalf of itself and the several Initial Purchasers named in Schedule I to the Purchase Agreement
10.38	001-38086 Form 8-K (filed on January 24, 2019)	10.1	—	Purchase Agreement, dated January 22, 2019, by and among Vistra Operations Company LLC and J.P. Morgan Securities LLC, on behalf of itself and the several Initial Purchasers named in Schedule I to the Purchase Agreement
10.39	001-38086 Form 8-K (filed on June 7, 2019)	10.1	—	Purchase Agreement, dated June 4, 2019, by and among Vistra Operations Company LLC and Citigroup Global Markets Inc., on behalf of itself and the several Initial Purchasers named in Schedule I to the Purchase Agreement
10.40	001-38086 Form 8-K (filed on June 7, 2019)	10.2	—	Purchase Agreement, dated June 6, 2019, by and among Vistra Operations Company LLC and Goldman Sachs & Co. LLC, on and behalf of itself and the several Initial Purchasers named in Schedule I to the Purchase Agreement

10.41	001-38086 Form 8-K (filed on November 13, 2019)	10.1	—	Purchase Agreement, dated November 6, 2019, by and among Vistra Operations Company LLC and J.P. Morgan Securities LLC, on behalf of itself and the several Initial Purchases named in Schedule I to the Purchase Agreement
10.42	001-38086 Form 8-K (filed on May 11, 2021)	10.1	—	Purchase Agreement, dated May 5, 2021, by and among Vistra Operations Company LLC and J.P. Morgan Securities LLC, On behalf of itself and the several Initial Purchasers named in Schedule I to the Purchase Agreement
10.43	001-38086 Form 8-K (filed on May 16, 2022)	10.1	—	Purchase Agreement, dated May 10, 2022, by and among Vistra Operations Company LLC and Citigroup Global Markets Inc, on behalf of itself and the several Initial Purchases named in Schedule I to the Purchase Agreement
10.44	001-38086 Form 8-K (filed on October 15, 2021)	10.1	—	Purchase Agreement, dated October 12, 2021, by and between Vistra Corp. and Goldman Sachs & Co. LLC
10.45	001-38086 Form 8-K (filed on December 13, 2021)	10.1	—	Purchase Agreement, dated December 7, 2021, by and between Vistra Corp. and Goldman Sachs & Co. LLC

Exhibits	Previously Filed With File Number*	As Exhibit		
10.27	001-38086 Form 8-K (filed August 17, 2017)	10.1	—	Fourth Amendment to Credit Agreement, dated as of August 17, 2017 (effective August 17, 2017), by and among Deutsche Bank AG New York Branch, Vistra Operations Company LLC, Vistra Intermediate Company LLC and the other Credit Parties and Lenders party thereto.
10.28	001-38086 Form 8-K (filed December 14, 2017)	10.1	—	Fifth Amendment to Credit Agreement, dated as of December 14, 2017 (effective December 14, 2017), by and among Deutsche Bank AG New York Branch, Vistra Operations Company LLC, Vistra Intermediate Company LLC and the other Credit Parties and Lenders party thereto.
10.29	001-38086 Form 8-K (filed February 22, 2018)	10.1	—	Sixth Amendment to Credit Agreement, dated as of February 20, 2018 (effective February 20, 2018), by and among Deutsche Bank AG New York Branch, Vistra Operations Company LLC, Vistra Intermediate Company LLC and the other Credit Parties and Lenders party thereto.
10.30	001-38086 Form 8-K (filed June 15, 2018)	10.1	—	Seventh Amendment to Credit Agreement, dated as of June 14, 2018, by and among Vistra Operations Company LLC, Vistra Intermediate Company LLC, the other Credit Parties party thereto, Credit Suisse and Citibank, N.A. as the 2018 Incremental Term Loan Lenders, the various other Lenders party thereto, Credit Suisse as Successor Administrative Agent and as Successor Collateral Agent, and Delaware Trust Company, as Collateral Trustee.
10.31	001-38086 Form 8-K (filed April 4, 2019)	10.4	—	Eighth Amendment to Credit Agreement, dated March 29, 2019, by and among Vistra Operations Company LLC, Vistra Intermediate Company LLC, the other Credit Parties (as defined in the Vistra Operations Credit Agreement) party thereto, Bank of Montreal, Chicago Branch, as new Revolving Loan Lender, Revolving Letter of Credit Issuer and Joint Lead Arranger, the various other Lenders and Letter of Credit Issuers party thereto, and Credit Suisse as Administrative Agent and Collateral Agent
10.32	001-38086 Form 8-K (filed May 29, 2019)	10.1	—	Ninth Amendment to Credit Agreement, dated May 29, 2019, by and among Vistra Operations Company LLC, Vistra Intermediate Company LLC, the other Credit Parties (as defined in the Vistra Operations Credit Agreement) party thereto, Sun Trust Bank, as incremental Revolving Loan Lender, and Credit Suisse AG, Cayman Island Branch, as Administrative Agent and Collateral Agent
10.33	001-38086 Form 8-K (filed on November 21, 2019)	10.1	—	Tenth Amendment to the Credit Agreement, dated November 15, 2019, by and among Vistra Operations Company LLC (as Borrower), Vistra Intermediate Company LLC (as Holdings), the other Credit Parties (as defined in the Credit Agreement) party thereto, the other Credit Parties (as defined in the Credit Agreement) party thereto, Credit Suisse AG, Cayman Islands Branch (as the 2019 Incremental Term Loan Lender and as Administrative Agent and as Collateral Agent), and the other Lenders party thereto

10.34	001-38086 Form 8-K (filed on May 5, 2022)	10.1	—	Eleventh Amendment to the Credit Agreement, dated April 29, 2022, by and among Vistra Operations Company LLC (as Borrower), Vistra Intermediate Company LLC (as Holdings), the other Credit Parties (as defined in the Credit Agreement), party thereto, the other Credit Parties (as defined in the Credit Agreement), party thereto, the financial institutions providing 2022 New Revolving Credit Commitments (as defined in the Credit Agreement), the Revolving Credit Lenders providing 2022 Extended Revolving Credit Commitments (as defined in the Credit Agreement), the Revolving Letter of Credit Issuers (as defined in the Credit Agreement), party thereto, and Credit Suisse AG, Cayman Islands Branch (as Administrative Agent and as Collateral Agent)
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Exhibits	Previously Filed With File Number*	As Exhibit		
10.46	001-38086 Form 8-K (filed on April 9, 2018)	10.10	—	Assumption Agreement, dated as of April 9, 2018, between Vistra Energy Corp. (now known as Vistra Corp.) (as successor by merger to Dynegy Inc.), and Credit Suisse AG, Cayman Islands Branch, as Administrative Agent and as Collateral Trustee.
10.47	001-38086 Form 8-K (filed on April 9, 2018)	10.11	—	Guarantee and Collateral Agreement, dated as of April 23, 2013, among Dynegy Inc., the subsidiaries of the borrower from time to time party thereto and Credit Suisse AG, Cayman Islands Branch, as Collateral Trustee (incorporated by reference to Exhibit 10.2 to the Current Report on Form 8-K of Dynegy Inc. filed on April 24, 2013).
10.48	001-38086 Form 8-K (filed on April 9, 2018)	10.12	—	Joinder, dated as of April 9, 2018, among Vistra Energy Corp. (now known as Vistra Corp.), the subsidiary guarantors party thereto and Credit Suisse AG, Cayman Islands Branch, as Collateral Trustee.
10.49	001-38086 Form 8-K (filed on April 9, 2018)	10.13	—	Collateral Trust and Intercreditor Agreement, dated as of April 23, 2013 among Dynegy, the Subsidiary Guarantors (as defined therein), Credit Suisse AG, Cayman Islands Branch and each person party thereto from time to time (incorporated by reference to Exhibit 10.3 to the Current Report on Form 8-K of Dynegy Inc. filed on April 24, 2013).
Other Material Contracts				
10.50	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.5	—	Collateral Trust Agreement, dated as of October 3, 2016, by and among TEX Operations Company LLC (now known as Vistra Operations LLC), the Grantors from time to time thereto, Railroad Commission of Texas, as first-out representative, and Deutsche Bank AG, New York Branch, as senior credit agreement representative
10.51	001-38086 Form 8-K (filed on June 15, 2018)	10.2	—	Amendment to Collateral Trust Agreement, effective as of June 14, 2018, among Vistra Operations Company LLC, the other Grantors from time to time party thereto, Railroad Commission of Texas, as first-out representative, and Credit Suisse AG, Cayman Islands Branch, as senior credit agreement agent, and Delaware Trust Company, as Collateral Trustee
10.52	001-38086 Form 8-K (filed on June 15, 2018)	10.3	—	Collateral Trust Joinder, dated June 14, 2018, between the Additional Grantors party thereto and Delaware Trust Company, as Collateral Trustee, to the Collateral Trust Agreement, effective pursuant to the Seventh Amendment as of June 14, 2018, among Vistra Operations Company LLC, the other Grantors from time to time party thereto, Railroad Commission of Texas, as First-Out Representative, Credit Suisse AG, Cayman Islands Branch, as Senior Credit Agreement Agent, and Delaware Trust Company, as Collateral Trustee.
10.53	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.13	—	Tax Receivable Agreement, by and between TEX Energy LLC (now known as Vistra Corp.) and American Stock Transfer & Trust Company, as transfer agent, dated as of October 3, 2016
10.54	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.14	—	Tax Matters Agreement, by and among TEX Energy LLC (now known as Vistra Corp.), EFH Corp., Energy Future Intermediate Holding Company LLC, EFI Finance Inc. and EFH Merger Co. LLC, dated as of October 3, 2016
10.55	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.15	—	Transition Services Agreement, by and between Energy Future Holdings Corp. and TEX Operations Company LLC (now known as Vistra Operations Company LLC), dated as of October 3, 2016

Exhibits	Previously Filed With File Number*	As Exhibit	
10.35	001-38086 Form 10-Q (Quarter ended September 30, 2022) (filed on November 4, 2022)	10.3	— Twelfth Amendment to the Credit Agreement, dated July 18, 2022, by and among Vistra Operations Company LLC (as Borrower), Vistra Intermediate Company LLC (as Holdings), the other Credit Parties (as defined in the Credit Agreement) party thereto, financial institutions, Revolving Credit Lenders, and Revolving Letter of Credit Issuers (in each case as defined in the Credit Agreement) party thereto, and Credit Suisse AG, Cayman Islands Branch (as Administrative Agent and as Collateral Agent)
10.36	001-38086 Form 10-Q (Quarter ended June 30, 2023) (filed on August 9, 2023)	10.1	— Thirteenth Amendment to the Credit Agreement, dated April 28, 2023, by and among Vistra Operations Company LLC (as Borrower), Vistra Intermediate Company LLC (as Holdings), the other Credit Parties (as defined in the Credit Agreement) party thereto, financial institutions, Revolving Credit Lenders, and Revolving Letter of Credit Issuers (in each case as defined in the Credit Agreement) party thereto, and Credit Suisse AG, Cayman Islands Branch (as Administrative Agent and as Collateral Agent)
10.37	001-38086 Form 10-Q (Quarter ended September 30, 2023) (filed on November 7, 2023)	10.1	— Fourteenth Amendment to the Credit Agreement, dated September 26, 2023, by and among Vistra Operations Company LLC (as Borrower), Vistra Intermediate Company LLC (as Holdings), the other Credit Parties (as defined in the Credit Agreement) party thereto, financial institutions, Revolving Credit Lenders, and Revolving Letter of Credit Issuers (in each case as defined in the Credit Agreement) party thereto, and Credit Suisse AG, Cayman Islands Branch (as Administrative Agent and as Collateral Agent)
10.38	001-38086 Form 8-K (filed on December 26, 2023)	10.1	— Fifteenth Amendment to the Credit Agreement, dated December 20, 2023, by and among Vistra Operations Company LLC (as Borrower), Vistra Intermediate Company LLC (as Holdings), the 2023 Incremental Term Loan Lender, the other Credit Parties (as defined in the Credit Agreement) party thereto, the other lenders party thereto, and Credit Suisse AG, Cayman Islands Branch (as Administrative Agent and as Collateral Agent)
10.39	001-38086 Form 8-K (filed on April 9, 2018)	10.10	— Assumption Agreement, dated as of April 9, 2018, between Vistra Energy Corp. (now known as Vistra Corp.), (as successor by merger to Dynegy Inc.), and Credit Suisse AG, Cayman Islands Branch, as Administrative Agent and as Collateral Trustee,
10.40	001-38086 Form 8-K (filed on April 9, 2018)	10.11	— Guarantee and Collateral Agreement, dated as of April 23, 2013, among Dynegy Inc., the subsidiaries of the borrower from time to time party thereto and Credit Suisse AG, Cayman Islands Branch, as Collateral Trustee (incorporated by reference to Exhibit 10.2 to the Current Report on Form 8-K of Dynegy Inc. filed on April 24, 2013),
10.41	001-38086 Form 8-K (filed on April 9, 2018)	10.12	— Joinder, dated as of April 9, 2018, among Vistra Energy Corp. (now known as Vistra Corp.), the subsidiary guarantors party thereto and Credit Suisse AG, Cayman Islands Branch, as Collateral Trustee,
10.42	001-38086 Form 8-K (filed on April 9, 2018)	10.13	— Collateral Trust and Intercreditor Agreement, dated as of April 23, 2013 among Dynegy, the Subsidiary Guarantors (as defined therein), Credit Suisse AG, Cayman Islands Branch and each person party thereto from time to time (incorporated by reference to Exhibit 10.3 to the Current Report on Form 8-K of Dynegy Inc. filed on April 24, 2013),
10.43	001-38086 Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)	10.63	— Credit Agreement, dated as of February 4, 2022, among Vistra Operations Company LLC, as Borrower, Vistra Intermediate Company LLC, as Holdings, Citibank, N.A., as Administrative Agent and as Collateral Agent, and the other lenders party thereto
10.44	001-38086 Form 10-Q (Quarter ended June 30, 2022) (filed on August 5, 2022)	10.3	— First Amendment to Credit Agreement, dated as of May 5, 2022, among Vistra Operations Company LLC, as Borrower, Vistra Intermediate Company LLC, as Holdings, Citibank, N.A., as Administrative Agent and as Collateral Agent, and the other lenders party thereto

Exhibits	Previously Filed With File Number*	As Exhibit

10.56	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.16	—	Separation Agreement, by and between Energy Future Holdings Corp., TEX Energy LLC (now known as Vistra Corp.) and TEX Operations Company LLC (now known as Vistra Operations LLC), dated as of October 3, 2016
10.57	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.17	—	Purchase and Sale Agreement, dated as of November 25, 2015, by and between La Frontera Ventures, LLC and Luminant Holding Company LLC
10.58	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.18	—	Amended and Restated Split Participant Agreement, by and between Oncor Electric Delivery Company LLC (f/k/a TXU Electric Delivery Company) and TEX Operations Company LLC (now known as Vistra Operations Company LLC), dated as of October 3, 2016
10.59	001-38086 Form 8-K (filed July 7, 2017)	10(a)	—	Asset Purchase Agreement, dated as of July 5, 2017, by and among Odessa-Ector Power Partners, L.P., La Frontera Holdings, LLC, Vistra Operations Company LLC, Koch Resources, LLC
10.60	001-38086 Form 8-K (filed on October 16, 2020)	10.1	—	Master Framework Agreement, dated as of October 9, 2020, by and among TXU Energy Retail Company LLC, as seller and seller party agent, certain originators named therein, and MUFG Bank, Ltd., as buyer
10.61	001-38086 Form 8-K (filed on July 15, 2021)	10.1	—	Amendment No. 1 to Master Framework Agreement, dated as of July 1, 2021, by and among TXU Energy Retail Company LLC, as seller and seller party agent, certain originators named therein, Vistra Operations Company LLC, as guarantor, and MUFG Bank, Ltd., as buyer
10.62	001-38086 Form 10-Q (Quarter ended September 30, 2021) (filed on November 5, 2021)	10.2	—	Amendment No. 2 to Master Framework Agreement, dated as of August 3, 2021, by and among TXU Energy Retail Company LLC, as seller and seller party agent, certain originators named therein, Vistra Operations Company LLC, as guarantor, and MUFG Bank, Ltd., as buyer
10.63	001-38086 Form 8-K (filed on July 15, 2022)	10.1	—	Amendment No. 3 to Master Framework Agreement, dated as of July 11, 2022, by and among TXU Energy Retail Company LLC, as seller and seller party agent, certain originators named therein, Vistra Operations Company LLC, as guarantor, and MUFG Bank, Ltd., as buyer
10.64	001-38086 Form 8-K (filed on October 16, 2020)	10.2	—	Master Repurchase Agreement, dated as of October 9, 2020, between TXU Energy Retail Company LLC and MUFG Bank, Ltd.
10.65	001-38086 Form 10-Q (Quarter ended September 30, 2021) (filed on November 5, 2021)	10.3	—	Amendment No. 1 to Master Repurchase Agreement, dated as of August 3, 2021, between TXU Energy Retail Company LLC and MUFG Bank, Ltd.
10.66	001-38086 Form 8-K (filed on December 28, 2020)	10.1	—	Joinder Agreement, dated as of December 21, 2020, among TXU Energy Retail company LLC, as seller party agent, Vistra Operations Company LLC, as guarantor, certain originators named therein, and MUFG Bank, Ltd., as buyer
10.67	001-38086 Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)	10.62	—	Amendment No. 2 to Master Repurchase Agreement, dated as of December 30, 2021, between TXU Energy Retail Company LLC and MUFG Bank, Ltd.
10.68	001-38086 Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)	10.63	—	Credit Agreement, dated as of February 4, 2022, among Vistra Operations Company LLC, as Borrower, Vistra Intermediate Company LLC, as Holdings, Citibank, N.A., as Administrative Agent and as Collateral Agent, and the other lenders party thereto

Exhibits	Previously Filed With File Number*	As Exhibit		
10.45	001-38086 Form 10-Q (Quarter ended June 30, 2022) (filed on August 5, 2022)	10.4	—	Second Amendment to Credit Agreement, dated as of May 26, 2022, among Vistra Operations Company LLC, as Borrower, Vistra Intermediate Company LLC, as Holdings, Citibank, N.A., as Administrative Agent and as Collateral Agent, and the other lenders party thereto
10.46	001-38086 Form 10-Q (Quarter ended June 30, 2022) (filed on August 5, 2022)	10.5	—	Third Amendment to Credit Agreement, dated as of June 8, 2022, among Vistra Operations Company LLC, as Borrower, Vistra Intermediate Company LLC, as Holdings, Citibank, N.A., as Administrative Agent and as Collateral Agent, and the other lenders party thereto

10.47	001-38086 Form 10-K (Year ended December 31, 2022) (filed on March 1, 2023)	10.72	—	Fourth Amendment to Credit Agreement, dated as of October 5, 2022, among Vistra Operations Company LLC, as Borrower, Vistra Intermediate Company LLC, as Holdings, Citibank, N.A., as Administrative Agent and as Collateral Agent, and the other lenders party thereto
10.48	001-38086 Form 10-K (Year ended December 31, 2022) (filed on March 1, 2023)	10.73	—	Fifth Amendment to Credit Agreement, dated as of October 21, 2022, among Vistra Operations Company LLC, as Borrower, Vistra Intermediate Company LLC, as Holdings, Citibank, N.A., as Administrative Agent and as Collateral Agent, and the other lenders party thereto
10.49	001-38086 Form 10-Q (Quarter ended September 30, 2023) (filed on November 7, 2023)	10.2	—	Sixth Amendment to Credit Agreement, dated as of September 26, 2023, among Vistra Operations Company LLC, as Borrower, Vistra Intermediate Company LLC, as Holdings, Citibank, N.A., as Administrative Agent and as Collateral Agent, and the other lenders party thereto
10.50	001-38086 Form 10-Q (Quarter ended September 30, 2023) (filed on November 7, 2023)	10.3	—	Seventh Amendment to Credit Agreement, dated as of October 4, 2023, among Vistra Operations Company LLC, as Borrower, Vistra Intermediate Company LLC, as Holdings, Citibank, N.A., as Administrative Agent and as Collateral Agent, and the other lenders party thereto
Other Material Contracts				
10.51	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.5	—	Collateral Trust Agreement, dated as of October 3, 2016, by and among TEX Operations Company LLC (now known as Vistra Operations LLC), the Grantors from time to time thereto, Railroad Commission of Texas, as first-out representative, and Deutsche Bank AG, New York Branch, as senior credit agreement representative
10.52	001-38086 Form 8-K (filed on June 15, 2018)	10.2	—	Amendment to Collateral Trust Agreement, effective as of June 14, 2018, among Vistra Operations Company LLC, the other Grantors from time to time party thereto, Railroad Commission of Texas, as first-out representative, and Credit Suisse AG, Cayman Islands Branch, as senior credit agreement agent, and Delaware Trust Company, as Collateral Trustee
10.53	001-38086 Form 8-K (filed on June 15, 2018)	10.3	—	Collateral Trust Joinder, dated June 14, 2018, between the Additional Grantors party thereto and Delaware Trust Company, as Collateral Trustee, to the Collateral Trust Agreement, effective pursuant to the Seventh Amendment as of June 14, 2018, among Vistra Operations Company LLC, the other Grantors from time to time party thereto, Railroad Commission of Texas, as First-Out Representative, Credit Suisse AG, Cayman Islands Branch, as Senior Credit Agreement Agent, and Delaware Trust Company, as Collateral Trustee.
10.54	001-38086 Form 8-K (filed on January 4, 2024)	10.1	—	Amended and Restated Tax Receivable Agreement, dated December 29, 2023, by and between the Company and Equiniti Trust Company, LLC

Exhibits	Previously Filed With File Number*	As Exhibit		
10.69	001-38086 Form 10-Q (Quarter ended June 30, 2022) (filed on August 5, 2022)	10.3	—	First Amendment to Credit Agreement, dated as of May 5, 2022, among Vistra Operations Company LLC, as Borrower, Vistra Intermediate Company LLC, as Holdings, Citibank, N.A., as Administrative Agent and as Collateral Agent, and the other lenders party thereto
10.70	001-38086 Form 10-Q (Quarter ended June 30, 2022) (filed on August 5, 2022)	10.4	—	Second Amendment to Credit Agreement, dated as of May 26, 2022, among Vistra Operations Company LLC, as Borrower, Vistra Intermediate Company LLC, as Holdings, Citibank, N.A., as Administrative Agent and as Collateral Agent, and the other lenders party thereto
10.71	001-38086 Form 10-Q (Quarter ended June 30, 2022) (filed on August 5, 2022)	10.5	—	Third Amendment to Credit Agreement, dated as of June 8, 2022, among Vistra Operations Company LLC, as Borrower, Vistra Intermediate Company LLC, as Holdings, Citibank, N.A., as Administrative Agent and as Collateral Agent, and the other lenders party thereto
10.72	**		—	Fourth Amendment to Credit Agreement, dated as of October 5, 2022, among Vistra Operations Company LLC, as Borrower, Vistra Intermediate Company LLC, as Holdings, Citibank, N.A., as Administrative Agent and as Collateral Agent, and the other lenders party thereto
10.73	**		—	Fifth Amendment to Credit Agreement, dated as of October 21, 2022, among Vistra Operations Company LLC, as Borrower, Vistra Intermediate Company LLC, as Holdings, Citibank, N.A., as Administrative Agent and as Collateral Agent, and the other lenders party thereto

(21)	Subsidiaries of the Registrant	
21.1	**	— Significant Subsidiaries of Vistra Corp.
(23)	Consent of Experts	
23.1	**	— Consent of Deloitte & Touche LLP
(31)	Rule 13a-14(a) / 15d-14(a) Certifications	
31.1	**	— Certification of James A. Burke, principal executive officer of Vistra Corp., pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
31.2	**	— Certification of Kristopher E. Moldovan, principal financial officer of Vistra Corp., pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
(32)	Section 1350 Certifications	
32.1	***	— Certification of James A. Burke, principal executive officer of Vistra Corp., pursuant to U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
32.2	***	— Certification of Kristopher E. Moldovan, principal financial officer of Vistra Corp., pursuant to U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
(95)	Mine Safety Disclosures	
95.1	**	— Mine Safety Disclosures
	XBRL Data Files	

Exhibits	Previously Filed With File Number*	As Exhibit	
10.55	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.14	— Tax Matters Agreement, by and among TEX Energy LLC (now known as Vistra Corp.), EFH Corp., Energy Future Intermediate Holding Company LLC, EFI Finance Inc. and EFH Merger Co. LLC, dated as of October 3, 2016
10.56	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.15	— Transition Services Agreement, by and between Energy Future Holdings Corp. and TEX Operations Company LLC (now known as Vistra Operations Company LLC), dated as of October 3, 2016
10.57	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.16	— Separation Agreement, by and between Energy Future Holdings Corp., TEX Energy LLC (now known as Vistra Corp.) and TEX Operations Company LLC (now known as Vistra Operations LLC), dated as of October 3, 2016
10.58	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.17	— Purchase and Sale Agreement, dated as of November 25, 2015, by and between La Frontera Ventures, LLC and Luminant Holding Company LLC
10.59	333-215288 Amendment No. 2 to Form S-1 (filed April 5, 2017)	10.18	— Amended and Restated Split Participant Agreement, by and between Oncor Electric Delivery Company LLC (f/k/a TXU Electric Delivery Company) and TEX Operations Company LLC (now known as Vistra Operations Company LLC), dated as of October 3, 2016
10.60	001-38086 Form 8-K (filed July 7, 2017)	10(a)	— Asset Purchase Agreement, dated as of July 5, 2017, by and among Odessa-Ector Power Partners, L.P., La Frontera Holdings, LLC, Vistra Operations Company LLC, Koch Resources, LLC
10.61	001-38086 Form 8-K (filed March 7, 2023)	10.1	— Form of Support Agreement, dated March 6, 2023
10.62	001-38086 Form 8-K (filed March 7, 2023)	10.2	— Form of Contribution and Exchange Agreement, dated March 6, 2023
10.63	001-38086 Form 8-K (filed on October 16, 2020)	10.1	— Master Framework Agreement, dated as of October 9, 2020, by and among TXU Energy Retail Company LLC, as seller and seller party agent, certain originators named therein, and MUFG Bank, Ltd., as buyer

10.64	001-38086 Form 8-K (filed on July 15, 2021)	10.1	—	Amendment No. 1 to Master Framework Agreement, dated as of July 1, 2021, by and among TXU Energy Retail Company LLC, as seller and seller party agent, certain originators named therein, Vistra Operations Company LLC, as guarantor, and MUFG Bank, Ltd., as buyer
10.65	001-38086 Form 10-Q (Quarter ended September 30, 2021) (filed on November 5, 2021)	10.2	—	Amendment No. 2 to Master Framework Agreement, dated as of August 3, 2021, by and among TXU Energy Retail Company LLC, as seller and seller party agent, certain originators named therein, Vistra Operations Company LLC, as guarantor, and MUFG Bank, Ltd., as buyer
10.66	001-38086 Form 8-K (filed on July 15, 2022)	10.1	—	Amendment No. 3 to Master Framework Agreement, dated as of July 11, 2022, by and among TXU Energy Retail Company LLC, as seller and seller party agent, certain originators named therein, Vistra Operations Company LLC, as guarantor, and MUFG Bank, Ltd., as buyer
10.67	001-38086 Form 8-K (filed on July 17, 2023)	10.1	—	Amendment No. 4 to Master Framework Agreement, dated as of July 11, 2023, by and among TXU Energy Retail Company LLC, as seller and seller party agent, certain originators named therein, Vistra Operations Company LLC, as guarantor, and MUFG Bank, Ltd., as buyer

Exhibits	Previously Filed With File Number*	As Exhibit		
10.68	001-38086 Form 8-K (filed on October 16, 2020)	10.2	—	Master Repurchase Agreement, dated as of October 9, 2020, between TXU Energy Retail Company LLC and MUFG Bank, Ltd.
10.69	001-38086 Form 10-Q (Quarter ended September 30, 2021) (filed on November 5, 2021)	10.3	—	Amendment No. 1 to Master Repurchase Agreement, dated as of August 3, 2021, between TXU Energy Retail Company LLC and MUFG Bank, Ltd.
10.70	001-38086 Form 8-K (filed on December 28, 2020)	10.1	—	Joinder Agreement, dated as of December 21, 2020, among TXU Energy Retail company LLC, as seller party agent, Vistra Operations Company LLC, as guarantor, certain originators named therein, and MUFG Bank, Ltd., as buyer
10.71	001-38086 Form 10-K (Year ended December 31, 2021) (filed on February 25, 2022)	10.62	—	Amendment No. 2 to Master Repurchase Agreement, dated as of December 30, 2021, between TXU Energy Retail Company LLC and MUFG Bank, Ltd.
10.72	001-38086 Form 8-K (filed on July 17, 2023)	10.2	—	Amendment No. 3 to Master Repurchase Agreement, dated as of July 11, 2023, by and among TXU Energy Retail Company LLC, as seller and MUFG Bank, Ltd., as buyer
(21)	Subsidiaries of the Registrant			
21.1	**		—	Significant Subsidiaries of Vistra Corp.
(23)	Consent of Experts			
23.1	**		—	Consent of Deloitte & Touche LLP
(31)	Rule 13a-14(a) / 15d-14(a) Certifications			
31.1	**		—	Certification of James A. Burke, principal executive officer of Vistra Corp., pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
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32.1	***		—	Certification of James A. Burke, principal executive officer of Vistra Corp., pursuant to U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
32.2	***		—	Certification of Kristopher E. Moldovan, principal financial officer of Vistra Corp., pursuant to U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
(95)	Mine Safety Disclosures			
95.1	**		—	Mine Safety Disclosures
(97)	Policy Relating to Recover of Erroneously Awarded Compensation			

97.1	**	—	Vistra Corp. Clawback Policy
XBRL Data Files			
101.INS	**	—	The following financial information from Vistra Corp.'s Annual Report on Form 10-K for the period ended December 31, 2023 formatted in Inline XBRL (Extensible Business Reporting Language) includes: (i) the Consolidated Statements of Operations, (ii) the Consolidated Statements of Comprehensive Income (Loss), (iii) the Consolidated Statements of Cash Flows, (iv) the Consolidated Balance Sheets, (v) the Consolidated Statement of Changes in Equity and (vi) the Notes to the Consolidated Financial Statements.

Exhibits	Previously Filed With File Number*	As Exhibit	
101.INS	**	—	The following financial information from Vistra Corp.'s Annual Report on Form 10-K for the period ended December 31, 2022 formatted in Inline XBRL (Extensible Business Reporting Language) includes: (i) the Consolidated Statements of Operations, (ii) the Consolidated Statements of Comprehensive Income (Loss), (iii) the Consolidated Statements of Cash Flows, (iv) the Consolidated Balance Sheets, (v) the Consolidated Statement of Changes in Equity and (vi) the Notes to the Consolidated Financial Statements.
101.SCH	**	—	XBRL Taxonomy Extension Schema Document
101.CAL	**	—	XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF	**	—	XBRL Taxonomy Extension Definition Linkbase Document
101.LAB	**	—	XBRL Taxonomy Extension Label Linkbase Document
101.PRE	**	—	XBRL Taxonomy Extension Presentation Linkbase Document
104		—	The Cover Page Interactive Data File does not appear in Exhibit 104 because its XBRL tags are embedded within the Inline XBRL document.

* Incorporated herein by reference

** Filed herewith

*** Furnished herewith

Item 16. FORM 10-K SUMMARY

None.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, Vistra Corp. has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

VISTRA CORP.

Date: **March 1, 2023** February 28, 2024

By /s/ JAMES A. BURKE

James A. Burke (President and Chief Executive Officer)

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of Vistra Corp. and in the capacities and on the date indicated.

Signature	Title	Date
/s/ JAMES A. BURKE	Principal Executive Officer and Director	March 1, 2023 February 28, 2024
(James A. Burke, President and Chief Executive Officer)		
/s/ KRISTOPHER E. MOLDOVAN	Principal Financial Officer	March 1, 2023 February 28, 2024
(Kristopher E. Moldovan, Chief Financial Officer)		
/s/ CHRISTY DOBRY MARGARET MONTEMAYOR	Principal Accounting Officer	March 1, 2023 February 28, 2024
(Christy Dobry, Margaret Montemayor, Senior Vice President, Chief Accountant and Controller)		
/s/ SCOTT B. HELM	Chairman of the Board and Director	March 1, 2023 February 28, 2024
(Scott B. Helm, Chairman of the Board)		
/s/ HILARY E. ACKERMANN	Director	March 1, 2023 February 28, 2024
(Hilary E. Ackermann)		
/s/ ARCILIA C. ACOSTA	Director	March 1, 2023 February 28, 2024
(Arcilia C. Acosta)		
/s/ GAVIN R. BAIERA	Director	March 1, 2023 February 28, 2024
(Gavin R. Baiera)		
/s/ PAUL M. BARBAS	Director	March 1, 2023 February 28, 2024
(Paul M. Barbás)		
/s/ LISA CRUTCHFIELD	Director	March 1, 2023 February 28, 2024
(Lisa Crutchfield)		
/s/ BRIAN K. FERRAIOLI	Director	March 1, 2023 February 28, 2024
(Brian K. Ferraioli)		
/s/ JEFF D. HUNTER	Director	March 1, 2023 February 28, 2024
(Jeff D. Hunter)		
/s/ JULIE A. LAGACY	Director	March 1, 2023 February 28, 2024
(Julie A. Lagacy)		
/s/ JOHN R. SULT	Director	March 1, 2023 February 28, 2024
(John R. Sult)		

Description of Capital Stock

The following description of Vistra Corp.'s (the "Company," "we" or "us") capital stock is a summary and does not purport to be complete. It is subject to and qualified in its entirety by reference to the Company's Certificate of Incorporation (as amended, the "Charter"), the Company's Restated Bylaws ("Bylaws"), each of which are incorporated by reference as an exhibit to the annual report on Form 10-K ("Form 10-K") of which this Exhibit 4.104 is a part. This description also summarizes relevant provisions of the Delaware General Corporation Law ("DGCL"). Accordingly, the more general information provided below is subject to, and qualified in its entirety by reference to, the Charter, Bylaws and the DGCL.

Authorized Capital Stock

We have the authority to issue a total of 1,900,000,000 shares of capital stock, consisting of:

- 1,800,000,000 shares of our common stock, par value \$.01 per share; and
- 100,000,000 shares of our preferred stock, par value \$.01 per share.

Rights and Preferences of Our Capital Stock

Common Stock

Voting Rights

All shares of our common stock have identical rights and privileges, in each case subject to the rights and privileges of any series of preferred stock then issued and outstanding, as further described in the applicable certificate of designation of such series of preferred stock, as may be amended from time to time. The holders of shares of our common stock are entitled to vote on all matters submitted to a vote of our stockholders, including the election of directors. On all matters to be voted on by holders of shares of our common stock, the holders will be entitled to one vote for each share of our common stock held of record, and will have no cumulative voting rights.

Dividend Rights

Subject to limitations under applicable Delaware law, preferences that may apply to any outstanding shares of our preferred stock and contractual restrictions, holders of our common stock are entitled to receive dividends or other distributions ratably, when, as and if declared by the Company's board of directors ("Board"). The ability of the Board to declare dividends with respect to our common stock, however, will be subject such limitations, preferences and restrictions and the availability of sufficient funds under the DGCL to pay such dividends.

Rights upon Liquidation

In the event of a liquidation, dissolution or winding up of the Company, after the payment in full of all amounts owed to our creditors and holders of any outstanding shares of our preferred stock, the remaining assets of the Company will be distributed ratably to the holders of shares of our common stock. The rights, preferences and privileges of holders of shares of our common stock are subject to, and may be adversely affected by, the rights of the holders of shares of any class or series of preferred stock which the Board may designate and issue in the future without stockholder approval.

Fully Paid and Nonassessable

The issued and outstanding shares of our common stock are fully paid and nonassessable.

Other Rights

Holders of shares of our common stock do not have pre-emptive, subscription, redemption or conversion rights.

Warrants to Purchase Common Stock

At the Merger Date, we entered into a warrant agreement (as amended, "Warrant Agreement") whereby holders of each outstanding warrant previously issued by Dynegy Inc. ("Dynegy") will be entitled to receive, upon exercise, the equity securities to which the holder would have been entitled to receive of Dynegy common stock converted into shares of our common stock at the Exchange Ratio (as defined in the Form 10-K). As of December 31, 2023, approximately nine million warrants expiring on February 2, 2024 with an exercise price of \$32.93 (subject to adjustment from time-to-time) were outstanding, each of which could be redeemed for 0.652 share of our common stock ("Warrants"). The Warrants could be exercised for cash or on a cashless net issuance basis. The exercise price of the Warrants and the number of shares issuable upon exercise of the Warrants were subject to adjustment upon certain events including: stock subdivisions, combinations, splits, stock dividends, capital reorganizations, or capital reclassifications of common stock and in connection with certain distributions of cash, assets or securities. Other than in connection with a Subject Transaction (as defined in the Warrant Agreement), the Warrants were not redeemable.

Blank Check Preferred Stock

Subject to limitations under applicable Delaware law, the Board is authorized to issue, from time to time and without stockholder approval, up to an aggregate of 100,000,000 shares of preferred stock in one or more classes or series and to fix the designations, powers, preferences, and relative, participating, optional or other rights, if any, and the qualifications, limitations or restrictions, if any, of the shares of each such class or series, including the dividend rights, conversion rights, voting rights, redemption rights (including sinking fund provisions), liquidation preferences and the number of shares constituting any class or series. The issuance of preferred stock with voting and conversion rights would also adversely affect the voting power of the holders of shares of our common stock, including the potential loss of voting control to others.

Stockholder Meetings

Our Charter and Bylaws provide that annual stockholder meetings will be held at a date, time and place, if any, as exclusively selected by the Board. Our Charter and Bylaws provide that, except as otherwise required by applicable law or the terms of any class or series of preferred stock issued in the future, special meetings of the stockholders may be called by (a) the Board at any time or (b) by the Chairman of the Board or the Secretary of the Company upon the written request or requests of one or more stockholders of record holding a majority of the voting power of the then-outstanding shares of our capital stock entitled to vote on the matter or matters to be brought before the proposed special meeting and complying with the notice procedures set forth in our Bylaws. Unless otherwise provided by the terms of any class or series of preferred stock issued in the future, our stockholders have no authority to act by written consent. To the extent permitted under the DGCL, we may conduct stockholder meetings by remote communications.

Anti-takeover Effects of Provisions In Our Charter and Bylaws

Our Charter and Bylaws contain a number of provisions which may have the effect of discouraging transactions that involve an actual or threatened change of control of the Company. In addition, provisions of our Charter and Bylaws may be deemed to have anti-takeover effects and may delay, defer or prevent a tender offer or takeover attempt that a stockholder might consider in his, her or its best interest, including those attempts that might result in a premium over the market price of the shares of our common stock held by our stockholders.

No Written Consent of Stockholders

Any action to be taken by our stockholders must be effected at a duly called annual or special meeting and may not be effected by written consent.

Special Meetings of Stockholders

Except as required by the DGCL or the terms of any class or series of preferred stock issued in the future, special meetings of our stockholders may be called only by (a) the Board at any time or (b) the Chairman of the Board or the Secretary of the Company upon written request of one or more stockholders of record holding a majority of the voting power of the then-outstanding shares of our capital stock entitled to vote on the matter or matters to be brought before the proposed special meeting and complying with the notice procedures set forth in our Bylaws.

Advance Notice Requirement

Stockholders must provide timely notice when seeking to:

- bring business before an annual meeting of stockholders;
- bring business before a special meeting of stockholders (if contemplated and permitted by the notice of a special meeting); or
- nominate candidates for election to the Board at an annual meeting of stockholders or at a special meeting of stockholders called for the purpose of electing one or more directors to the Board.

To be timely, a stockholders notice generally must be received by the Secretary of the Company at our principal executive offices:

- in the case of an annual meeting:
 - not later than the close of business on the 90th day nor earlier than the close of business on the 120th day prior to the first anniversary of the date of the immediately preceding year's annual meeting, or
 - if the annual meeting is called for a date that is more than 30 days before or more than 60 days after the first anniversary of the date of the preceding year's annual meeting, or if no annual meeting was held in the preceding year, not earlier than the close of business on the 120th day prior to such annual meeting and not later than the close of business on the later of the 90th day prior to the annual meeting and the 10th day following the day on which the first public announcement of the date of the annual meeting is made by the Company; or
- in the case of a special meeting, not earlier than the close of business on the 120th day and not later than the close of business on the later of the 90th day prior to the special meeting and the 10th day following the day on which public announcement is first made of the date of the special meeting and the nominees proposed by the Board.

Our Charter and Bylaws also specify requirements as to the form and content of the stockholder's notice. These provisions may preclude stockholders from bringing matters before or proposing director nominees to an annual meeting or a special meeting of stockholders.

Issuance of Blank Check Preferred Stock

The Board is authorized to issue, without further action by the stockholders, up to 100,000,000 shares of preferred stock with rights and preferences designated from time to time by the Board as described above under "—Rights and Preferences of Our Capital Stock — Blank Check Preferred Stock." The existence of authorized but unissued shares of preferred stock may enable the Board to render more difficult or discourage an attempt to obtain control of the Company by means of a merger, tender offer, proxy contest or otherwise.

Section 203 of the DGCL

In our Charter, we have elected not to be governed by Section 203 of the DGCL, as permitted under and pursuant to subsection (b)(3) of Section 203. Section 203 prohibits a publicly held Delaware corporation from engaging in a business combination, such as a merger, with a person or group owning 15% or more of the corporation's outstanding voting stock for a period of three years following the date the person became an interested stockholder, unless (with certain exceptions) the business combination or the transaction in which the person became an interested stockholder is approved in a prescribed manner. Accordingly, we are currently not subject to any anti-takeover effects of Section 203, although no assurance can be given that we will not elect to be governed by Section 203 of the DGCL in the future.

Amendment of Bylaws and Charter

The approval of a 66 2/3% super-majority of the voting power of the then outstanding shares of our capital stock entitled to vote will be required to amend certain provisions of our Bylaws or to amend certain provisions of our Charter, including provisions relating to indemnification and exculpation of directors and officers and provisions relating to amendment of our Bylaws and Charter by the Board. In addition, the Charter provides certain rights to the certain stockholders, relating to business opportunities, which are more fully described under "— Business Opportunities" below.

Business Opportunities

Our Charter provides that Apollo Management Holdings L.P., Brookfield Asset Management Private Institutional Capital Adviser (Canada), L.P. and Oaktree Capital Management, L.P. and their respective affiliates, to the fullest extent permitted by law, have no duty to refrain from engaging in the same or similar business activities or lines of business in which the Company or any of our affiliates now engage or propose to engage or otherwise competing with the Company or any of our affiliates. To the fullest extent permitted by applicable law, we have renounced any interest or expectancy in, or the right to be offered an opportunity to participate in, any business opportunity which may be a business opportunity of one of such stockholders. We have not, however, renounced any interest in any business opportunity offered to any director or officer of the Company if such opportunity is expressly offered to such person solely in his or her capacity as a director or officer of the Company.

Exclusive Forum

Our Charter provides that unless the Company consents in writing to the selection of an alternative forum, to the fullest extent permitted by law, and subject to applicable jurisdictional requirements, any state court located in the State of Delaware (or, if no state court located within the State of Delaware has jurisdiction, the federal district court for the District of Delaware) is the sole and exclusive forum for any stockholder (including any beneficial owner) to bring any claim (a) based upon a violation of a duty by a current or former director, officer, employee or stockholder in such capacity or (b) as to which the DGCL confers jurisdiction on the Court of Chancery. Any person or entity purchasing or otherwise acquiring or holding any interest in shares of our capital stock shall be deemed to have notice of, and consented to the forum provisions in, our Charter. The enforceability of similar forum provisions in other companies' certificates of incorporation, however, has been challenged in legal proceedings, and it is possible that a court could find these types of provisions to be inapplicable or unenforceable.

Limitations on Liability and Indemnification of Directors and Officers

The DGCL authorizes corporations to limit or eliminate the personal liability of our directors to corporations and their stockholders for monetary damages for breaches of directors' fiduciary duties, subject to certain exceptions and conditions. Our Charter limits the liability of directors to the fullest extent permitted by the DGCL. Such section eliminates the personal liability of a director to the Company for monetary damages for breach of fiduciary duty as a director, except for liability (i) for any breach of the director's duty of loyalty to the Company or our stockholders, (ii) for acts or omission not in good faith or which involve intentional misconduct or a knowing violation of law, (iii) under Section 174 of the DGCL, or (iv) for any transaction from which the director derived an improper personal benefit. In addition, our Bylaws and separate indemnification agreements

provide that we must indemnify our directors and officers to the fullest extent permitted by the DGCL. Under our Bylaws, the Company agrees that it is the indemnitor of first resort to provide advancement of expenses or indemnification to directors and officers.

The limitation of liability and indemnification provisions included in our Charter and Bylaws and separate indemnification agreements may discourage stockholders from bringing a lawsuit against directors for breach of their fiduciary duty. These provisions may also have the effect of reducing the likelihood of derivative litigation against directors and officers, even though such an action, if successful, might otherwise benefit us and our stockholders. In addition, your investment may be adversely affected to the extent we pay the costs of settlement and damage awards against directors and officers pursuant to these indemnification provisions.

Transfer Agent and Registrar

The transfer agent and registrar for our common stock is Equiniti Trust Company LLC.

Listing

Our common stock is currently listed on NYSE under the symbol "VST." As of December 31, 2023, the Warrants were listed on NYSE under the symbol "VST.WS.A" and they expired in February 2024.

NINTH SUPPLEMENTAL INDENTURE**SUBSIDIARY GUARANTEES SECOND AMENDED AND RESTATED EMPLOYMENT AGREEMENT**

NINTH SUPPLEMENTAL INDENTURE This SECOND AMENDED AND RESTATED EMPLOYMENT AGREEMENT (this "Supplemental Indenture Agreement"), dated as of December 15, 2022 March 20, 2022, among the subsidiary guarantors listed on Schedule I hereto (the "Guaranteeing Subsidiaries"), is between Vistra Operations Company LLC, a Delaware limited liability company Corp. (the "Company"), the other subsidiary guarantors party hereto and Wilmington Trust, National Association, as trustee under the indenture referred to below (the "James A. Burke" ("Trustee Executive")).

WITNESSETH Recitals:

WHEREAS, the Company has heretofore executed and delivered to the Trustee that certain Indenture (as supplemented and amended, the "Indenture"), dated Executive previously entered into an employment agreement effective as of August 22, 2018, among the Company, the Subsidiary Guarantors party thereto and the Trustee, providing for the original issuance of an aggregate principal amount of \$1,000,000,000 of 5.500% Senior Notes due 2026 October 4, 2016 (the "Notes Original Effective Date");

WHEREAS, the Indenture provides that under certain circumstances Company and Executive subsequently entered into an amended and restated employment agreement (the "Prior Employment Agreement") effective as of May 1, 2019 (the "Second Effective Date");

WHEREAS, the Guaranteeing Subsidiaries Company and Executive desire to amend and restate the Prior Employment Agreement to reflect the terms upon which Executive shall execute and deliver continue to provide services to the Trustee a supplemental indenture pursuant to which the Guaranteeing Subsidiaries shall unconditionally guarantee all of the Company's Obligations under the Notes Company as its President and the Indenture Chief Executive Officer effective August 1, 2022 (the "Subsidiary Guarantees Effective Date"); and

WHEREAS, pursuant until the Effective Date, Executive shall continue to Sections 4.07 and 9.01 of the Indenture, the Trustee, provide services to the Company as its Executive Vice President and Chief Financial Officer in accordance with the other Subsidiary Guarantors are authorized terms set forth in the Prior Employment Agreement, which shall remain in full force and required to execute and deliver this Supplemental Indenture. effect until the Effective Date.

NOW, THEREFORE, in consideration of the foregoing premises and for good covenants contained herein, and valuable consideration, intending to be legally bound hereby, the receipt of which is parties to this Agreement hereby acknowledged, the Guaranteeing Subsidiaries, the Trustee, the Company and the other Subsidiary Guarantors mutually covenant and agree for the equal and ratable benefit of the Holders of the Notes as follows:

1. Capitalized Terms Effective Date; Term. August 1, 2022

(a) Unless otherwise defined Until the Effective Date, Executive's employment will continue in this Supplemental Indenture, capitalized accordance with the terms used herein without definition shall have the meanings assigned to them and conditions set forth in the Indenture.

2. Prior Employment Agreement, to be Bound; Guarantee. The Guaranteeing Subsidiaries hereby become a party to the Indenture as a Subsidiary Guarantor and as such which will have all of the rights and be subject continue to all of the Obligations and agreements of a Subsidiary Guarantor under the Indenture. The Guaranteeing Subsidiaries hereby agree to be bound by all of the provisions of the Indenture applicable to a Subsidiary Guarantor and to perform all of the Obligations and agreements of a Subsidiary Guarantor under the Indenture. In furtherance of the foregoing, the Guaranteeing Subsidiaries shall be deemed a Subsidiary Guarantor for purposes of Article 10 of the Indenture, including, without limitation, Section 10.02 thereof.

3. NEW YORK LAW TO GOVERN. THIS SUPPLEMENTAL INDENTURE SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK.

4. *Counterparts.* The parties may sign any number of copies of this Supplemental Indenture. Each signed copy shall be an original, but all of them together represent the same agreement.

5. *Effect of Headings.* The Section headings herein are for convenience only and shall not affect the construction hereof.

6. *The Trustee.* The Trustee shall not be responsible in any manner whatsoever for or in respect of the validity or sufficiency of this Supplemental Indenture or for or in respect of the recitals contained herein, all of which recitals are made solely by the Guaranteeing Subsidiaries and the Company.

7. *Ratification of Indenture; Supplemental Indenture Part of Indenture.* Except as expressly amended hereby, the Indenture is in all respects ratified and confirmed and all the terms, conditions and provisions thereof shall remain in full force and effect. This Supplemental Indenture effect until the Effective Date. Upon the Effective Date, Executive's employment will continue in accordance with the terms and conditions of this Agreement, which terms shall form a part substitute and supersede in their entirety the terms and conditions set forth in the Prior Employment Agreement without the need for any further actions on behalf of the Indenture for all purposes, and every Holder either party at such time.

(b) The term of Notes heretofore or hereafter authenticated and delivered Executive's employment under this Agreement shall be bound hereby.

[Signature pages follow]

IN WITNESS WHEREOF, the parties hereto have caused this Supplemental Indenture to be duly executed and attested, all effective as of the date first written above.

CONNECTICUT GAS & ELECTRIC, INC.
ENERGY SERVICES PROVIDERS, INC.
MASSACHUSETTS GAS & ELECTRIC, INC.
U.S. GAS & ELECTRIC, INC.
USG&E SOLAR, INC.
VERENGO, INC.,
as the Guaranteeing Subsidiaries

By: /s/ Kristopher E. Moldovan
Name: Kristopher E. Moldovan
Title: Executive Vice President Effective Date, and Chief Financial Officer

[Signature Page to Ninth Supplemental Indenture]

VISTRA OPERATIONS COMPANY LLC,
as shall continue until the Company

By: /s/ Kristopher E. Moldovan
Name: Kristopher E. Moldovan
Title: Executive Vice President and Chief Financial Officer

[Signature Page to Ninth Supplemental Indenture]

AMBIT CALIFORNIA, LLC
 AMBIT ENERGY HOLDINGS, LLC
 AMBIT HOLDINGS, LLC
 AMBIT ILLINOIS, LLC
 AMBIT MARKETING, LLC
 AMBIT MIDWEST, LLC
 AMBIT NEW YORK, LLC
 AMBIT NORTHEAST, LLC
 AMBIT TEXAS, LLC
 ANGUS SOLAR, LLC
 BELLINGHAM POWER GENERATION LLC
 BIG BROWN POWER COMPANY LLC
 BIG SKY GAS HOLDINGS, LLC
 BIG SKY GAS LLC
 BLACKSTONE POWER GENERATION LLC
 BLUNET HOLDINGS, LLC
 BRIGHTSIDE SOLAR, LLC
 CALUMET ENERGY TEAM, LLC
 CASCO BAY ENERGY COMPANY, LLC
 COFFEEN AND WESTERN RAILROAD COMPANY
 COLETO CREEK ENERGY STORAGE LLC
 COLETO CREEK POWER, LLC
 COMANCHE PEAK POWER COMPANY LLC
 CORE SOLAR SPV I, LLC
 CRIUS ENERGY CORPORATION
 CRIUS ENERGY, LLC
 CRIUS SOLAR FULFILLMENT, LLC
 DALLAS POWER & LIGHT COMPANY, INC.
 DICKS CREEK POWER COMPANY LLC
 DYNEGY COAL HOLDCO, LLC
 DYNEGY COAL TRADING & TRANSPORTATION, L.L.C.
 DYNEGY CONESVILLE, LLC
 DYNEGY ENERGY SERVICES (EAST), LLC
 DYNEGY ENERGY SERVICES, LLC
 DYNEGY KILLEN, LLC
 DYNEGY MARKETING AND TRADE, LLC
 DYNEGY MIDWEST GENERATION, LLC
 DYNEGY OPERATING COMPANY
 DYNEGY POWER MARKETING, LLC
 DYNEGY RESOURCES GENERATING HOLDCO, LLC
 DYNEGY SOUTH BAY, LLC
 DYNEGY STUART, LLC
 EMERALD GROVE SOLAR, LLC
 ENERGY REWARDS, LLC
 ENNIS POWER COMPANY, LLC
 EQUIPOWER RESOURCES CORP.
 EVERYDAY ENERGY NJ, LLC
 EVERYDAY ENERGY, LLC
 FAYETTE POWER COMPANY LLC
 FOREST GROVE SOLAR LLC
 GENERATION SVC COMPANY
 HANGING ROCK POWER COMPANY LLC
 HAYS ENERGY, LLC
 HOPEWELL POWER GENERATION, LLC
 ILLINOIS POWER GENERATING COMPANY
 ILLINOIS POWER MARKETING COMPANY
 ILLINOIS POWER RESOURCES GENERATING, LLC
 ILLINOIS POWER RESOURCES, LLC
 ILLINOVA CORPORATION
 IPH, LLC
 KENDALL POWER COMPANY LLC
 KINCAID GENERATION, L.L.C.
 LA FRONTERA HOLDINGS, LLC
 LAKE ROAD GENERATING COMPANY, LLC
 LIBERTY ELECTRIC POWER, LLC
 LONE STAR ENERGY COMPANY, INC.
 LONE STAR PIPELINE COMPANY, INC.
 LUMINANT ADMINISTRATIVE SERVICES COMPANY
 LUMINANT COAL GENERATION LLC
 LUMINANT COMMERCIAL ASSET MANAGEMENT LLC
 LUMINANT ENERGY COMPANY LLC
 LUMINANT ENERGY TRADING CALIFORNIA COMPANY
 LUMINANT ET SERVICES COMPANY LLC

LUMINANT GAS IMPORTS LLC
 LUMINANT GENERATION COMPANY LLC
 LUMINANT MINING COMPANY LLC
 LUMINANT POWER GENERATION INC.
 LUMINANT POWER LLC
 MASSPOWER, LLC
 MIAMI FORT POWER COMPANY LLC
 MIDLOTHIAN ENERGY, LLC
 MILFORD POWER COMPANY, LLC
 MORRO BAY ENERGY STORAGE 1, LLC
 MORRO BAY ENERGY STORAGE 2, LLC
 MORRO BAY POWER COMPANY LLC
 MOSS LANDING ENERGY STORAGE 1, LLC
 MOSS LANDING ENERGY STORAGE 2, LLC
 MOSS LANDING ENERGY STORAGE 3, LLC
 MOSS LANDING ENERGY STORAGE 4, LLC
 MOSS LANDING POWER COMPANY LLC
 NCA RESOURCES DEVELOPMENT COMPANY LLC
 NEPCO SERVICES COMPANY
 NORTHEASTERN POWER COMPANY
 OAK GROVE MANAGEMENT COMPANY LLC
 OAK HILL SOLAR LLC
 OAKLAND ENERGY STORAGE 1, LLC
 OAKLAND ENERGY STORAGE 2, LLC
 OAKLAND ENERGY STORAGE 3, LLC
 OAKLAND POWER COMPANY LLC
 ONTELAUNEE POWER OPERATING COMPANY, LLC
 PLEASANTS ENERGY, LLC
 PUBLIC POWER & UTILITY OF MARYLAND, LLC
 PUBLIC POWER & UTILITY OF NY, INC.
 PUBLIC POWER, LLC (a Connecticut limited liability company)
 PUBLIC POWER, LLC (a Pennsylvania limited liability company)
 REGIONAL ENERGY HOLDINGS, INC.
 RICHLAND-STRYKER GENERATION LLC
 SANDOW POWER COMPANY LLC
 SAYREVILLE POWER GENERATION LP
 SAYREVILLE POWER GP INC.
 SAYREVILLE POWER HOLDINGS LLC
 SITHE ENERGIES, INC.
 SITHE/INDEPENDENCE LLC
 SOUTHWESTERN ELECTRIC SERVICE COMPANY, INC.
 TEXAS ELECTRIC SERVICE COMPANY, INC.
 TEXAS ENERGY INDUSTRIES COMPANY, INC.
 TEXAS POWER & LIGHT COMPANY, INC.
 TEXAS UTILITIES COMPANY, INC.
 TEXAS UTILITIES ELECTRIC COMPANY, INC.
 TRIEAGLE 1, LLC
 TRIEAGLE 2, LLC
 TRIEAGLE ENERGY LP
 TRINIDAD POWER STORAGE LLC
 TXU ELECTRIC COMPANY, INC.
 TXU ENERGY RETAIL COMPANY LLC
 TXU RETAIL SERVICES COMPANY
 UPTON COUNTY SOLAR 2, LLC
 VALUE BASED BRANDS LLC
 VIRIDIAN ENERGY NY, LLC
 VIRIDIAN ENERGY OHIO LLC
 VIRIDIAN ENERGY PA LLC
 VIRIDIAN ENERGY, LLC
 VIRIDIAN INTERNATIONAL MANAGEMENT LLC
 VIRIDIAN NETWORK, LLC
 VISTRA ASSET COMPANY LLC
 VISTRA CORPORATE SERVICES COMPANY
 VISTRA EP PROPERTIES COMPANY
 VISTRA FINANCE CORP.
 VISTRA INSURANCE SOLUTIONS LLC
 VISTRA PREFERRED INC.
 VISTRA ZERO LLC
 VOLT ASSET COMPANY, INC.
 WASHINGTON POWER GENERATION LLC
 WISE COUNTY POWER COMPANY, LLC
 WISE-FUELS PIPELINE, INC.
 ZIMMER POWER COMPANY LLC

[Signature Page to Ninth Supplemental Indenture]

as four (4) year anniversary of the Subsidiary Guarantors

By: /s/ Kristopher E. Moldovan
Name: Kristopher E. Moldovan
Title: Executive Vice President and Chief
Financial Officer

[Signature Page to Ninth Supplemental Indenture]

WILMINGTON TRUST, NATIONAL ASSOCIATION,
as the Trustee

By: /s/ Barry D. Somrock
Name: Barry D. Somrock
Title: Vice President

[Signature Page to Ninth Supplemental Indenture]

SCHEDULE I

SUBSIDIARY GUARANTORS

Name	Jurisdiction
Connecticut Gas & Electric, Inc.	Delaware
Energy Services Providers, Inc.	New York
Massachusetts Gas & Electric, Inc.	Massachusetts
U.S. Gas & Electric, Inc.	Delaware
USG&E Solar, Inc.	Delaware
Verengo, Inc.	Delaware

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NINTH SUPPLEMENTAL INDENTURE SUBSIDIARY GUARANTEES

NINTH SUPPLEMENTAL INDENTURE (this “**Supplemental Indenture**”), dated as of December 15, 2022, among the subsidiary guarantors listed on **Schedule I** hereto **Effective Date** (the “**Guaranteeing Subsidiaries Initial Expiration Date**”), **Vistra Operations Company LLC**, a Delaware limited liability company (the “**Company** **provided**”), that on the Initial Expiration Date and each subsequent anniversary of the Initial Expiration Date, the term of Executive’s employment under this Agreement shall be extended for one (1) additional year unless either party provides written notice to the other **subsidiary guarantors** party **hereto** at least sixty (60) days prior to the Initial Expiration Date (or any such anniversary, as applicable) that Executive’s employment shall not be so extended (in which case, Executive’s employment shall terminate on the Initial Expiration Date or any such anniversary, as applicable); **provided, however**, that Executive’s employment under this Agreement may be terminated at any earlier time pursuant to the provisions of **Section 5**. The period of time from the Effective Date through the termination of this Agreement and **Wilmington Trust, National Association**, as trustee under the indenture Executive’s employment hereunder pursuant to its terms is herein referred to below (the “**Trustee**”).

WITNESSETH

WHEREAS, the Company has heretofore executed and delivered to the Trustee that certain Indenture (as supplemented and amended, as the “**Indenture Term**”), dated as of February 6, 2019, among the Company, the Subsidiary Guarantors party thereto; and the Trustee, providing for the original issuance of an aggregate principal amount of \$1,300,000,000 of 5.625% Senior Notes due 2027 (the “**Notes**”);

WHEREAS, the Indenture provides that under certain circumstances the Guaranteeing Subsidiaries shall execute and deliver to the Trustee a supplemental indenture pursuant to **date on** which the Guaranteeing Subsidiaries shall unconditionally guarantee all of the Company’s Obligations under the Notes and the Indenture (the “**Subsidiary Guarantees**”); and

WHEREAS, pursuant **Term is scheduled** to Sections 4.07 and 9.01 of the Indenture, the Trustee, the Company and the other Subsidiary Guarantors are authorized and required to execute and deliver this Supplemental Indenture.

NOW THEREFORE, in consideration of the foregoing and for good and valuable consideration, the receipt of which is hereby acknowledged, the Guaranteeing Subsidiaries, the Trustee, the Company and the other Subsidiary Guarantors mutually covenant and agree for the equal and ratable benefit of the Holders of the Notes as follows:

1. **Capitalized Terms.** Unless otherwise defined in this Supplemental Indenture, capitalized terms used herein without definition shall have the meanings assigned to them in the Indenture.
2. **Agreement to be Bound; Guarantee.** The Guaranteeing Subsidiaries hereby become a party to the Indenture as a Subsidiary Guarantor and as such will have all of the rights and be subject to all of the Obligations and agreements of a Subsidiary Guarantor under the Indenture. The Guaranteeing Subsidiaries hereby agree to be bound by all of the provisions of the Indenture applicable to a Subsidiary Guarantor and to perform all of the Obligations and agreements of a Subsidiary Guarantor under the Indenture. In furtherance of the foregoing, the Guaranteeing Subsidiaries shall be deemed a Subsidiary Guarantor for purposes of Article 10 of the Indenture, including, without limitation, Section 10.02 thereof.
3. **NEW YORK LAW TO GOVERN.** THIS SUPPLEMENTAL INDENTURE SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK.
4. **Counterparts.** The parties may sign any number of copies of this Supplemental Indenture. Each signed copy shall be an original, but all of them together represent the same agreement.
5. **Effect of Headings.** The Section headings herein are for convenience only and shall not affect the construction hereof.
6. **The Trustee.** The Trustee shall not be responsible in any manner whatsoever for or in respect of the validity or sufficiency of this Supplemental Indenture or for or in respect of the recitals contained herein, all of which recitals are made solely by the Guaranteeing Subsidiaries and the Company.
7. **Ratification of Indenture; Supplemental Indenture Part of Indenture.** Except as expressly amended hereby, the Indenture is in all respects ratified and confirmed and all the terms, conditions and provisions thereof shall remain in full force and effect. This Supplemental Indenture shall form

a part of the Indenture for all purposes, and every Holder of Notes heretofore or hereafter authenticated and delivered shall be bound hereby.

[Signature pages follow]

IN WITNESS WHEREOF, the parties hereto have caused this Supplemental Indenture to be duly executed and attested, all as of the date first written above.

CONNECTICUT GAS & ELECTRIC, INC.
ENERGY SERVICES PROVIDERS, INC.
MASSACHUSETTS GAS & ELECTRIC, INC.
U.S. GAS & ELECTRIC, INC.
USG&E SOLAR, INC.
VERENGO, INC.,
as the Guaranteeing Subsidiaries

By: /s/ Kristopher E. Moldovan
Name: Kristopher E. Moldovan
Title: Executive Vice President and Chief Financial
Officer

[Signature Page to Ninth Supplemental Indenture]

VISTRA OPERATIONS COMPANY LLC,
as the Company

By: /s/ Kristopher E. Moldovan
Name: Kristopher E. Moldovan
Title: Executive Vice President and Chief Financial Officer

[Signature Page to Ninth Supplemental Indenture]

AMBIT CALIFORNIA, LLC
 AMBIT ENERGY HOLDINGS, LLC
 AMBIT HOLDINGS, LLC
 AMBIT ILLINOIS, LLC
 AMBIT MARKETING, LLC
 AMBIT MIDWEST, LLC
 AMBIT NEW YORK, LLC
 AMBIT NORTHEAST, LLC
 AMBIT TEXAS, LLC
 ANGUS SOLAR, LLC
 BELLINGHAM POWER GENERATION LLC
 BIG BROWN POWER COMPANY LLC
 BIG SKY GAS HOLDINGS, LLC
 BIG SKY GAS LLC
 BLACKSTONE POWER GENERATION LLC
 BLUNET HOLDINGS, LLC
 BRIGHTSIDE SOLAR, LLC
 CALUMET ENERGY TEAM, LLC
 CASCO BAY ENERGY COMPANY, LLC
 COFFEEN AND WESTERN RAILROAD COMPANY
 COLETO CREEK ENERGY STORAGE LLC
 COLETO CREEK POWER, LLC
 COMANCHE PEAK POWER COMPANY LLC
 CORE SOLAR SPV I, LLC
 CRIUS ENERGY CORPORATION
 CRIUS ENERGY, LLC
 CRIUS SOLAR FULFILLMENT, LLC
 DALLAS POWER & LIGHT COMPANY, INC.
 DICKS CREEK POWER COMPANY LLC
 DYNEGY COAL HOLDCO, LLC
 DYNEGY COAL TRADING & TRANSPORTATION, L.L.C.
 DYNEGY CONESVILLE, LLC
 DYNEGY ENERGY SERVICES (EAST), LLC
 DYNEGY ENERGY SERVICES, LLC
 DYNEGY KILLEN, LLC
 DYNEGY MARKETING AND TRADE, LLC
 DYNEGY MIDWEST GENERATION, LLC
 DYNEGY OPERATING COMPANY
 DYNEGY POWER MARKETING, LLC
 DYNEGY RESOURCES GENERATING HOLDCO, LLC
 DYNEGY SOUTH BAY, LLC
 DYNEGY STUART, LLC
 EMERALD GROVE SOLAR, LLC
 ENERGY REWARDS, LLC
 ENNIS POWER COMPANY, LLC
 EQUIPOWER RESOURCES CORP.
 EVERYDAY ENERGY NJ, LLC
 EVERYDAY ENERGY, LLC
 FAYETTE POWER COMPANY LLC
 FOREST GROVE SOLAR LLC
 GENERATION SVC COMPANY
 HANGING ROCK POWER COMPANY LLC
 HAYS ENERGY, LLC
 HOPEWELL POWER GENERATION, LLC
 ILLINOIS POWER GENERATING COMPANY
 ILLINOIS POWER MARKETING COMPANY
 ILLINOIS POWER RESOURCES GENERATING, LLC
 ILLINOIS POWER RESOURCES, LLC
 ILLINOVA CORPORATION
 IPH, LLC
 KENDALL POWER COMPANY LLC
 KINCAID GENERATION, L.L.C.
 LA FRONTERA HOLDINGS, LLC
 LAKE ROAD GENERATING COMPANY, LLC
 LIBERTY ELECTRIC POWER, LLC
 LONE STAR ENERGY COMPANY, INC.
 LONE STAR PIPELINE COMPANY, INC.
 LUMINANT ADMINISTRATIVE SERVICES COMPANY
 LUMINANT COAL GENERATION LLC
 LUMINANT COMMERCIAL ASSET MANAGEMENT LLC
 LUMINANT ENERGY COMPANY LLC
 LUMINANT ENERGY TRADING CALIFORNIA COMPANY
 LUMINANT ET SERVICES COMPANY LLC

LUMINANT GAS IMPORTS LLC
 LUMINANT GENERATION COMPANY LLC
 LUMINANT MINING COMPANY LLC
 LUMINANT POWER GENERATION INC.
 LUMINANT POWER LLC
 MASSPOWER, LLC
 MIAMI FORT POWER COMPANY LLC
 MIDLOTHIAN ENERGY, LLC
 MILFORD POWER COMPANY, LLC
 MORRO BAY ENERGY STORAGE 1, LLC
 MORRO BAY ENERGY STORAGE 2, LLC
 MORRO BAY POWER COMPANY LLC
 MOSS LANDING ENERGY STORAGE 1, LLC
 MOSS LANDING ENERGY STORAGE 2, LLC
 MOSS LANDING ENERGY STORAGE 3, LLC
 MOSS LANDING ENERGY STORAGE 4, LLC
 MOSS LANDING POWER COMPANY LLC
 NCA RESOURCES DEVELOPMENT COMPANY LLC
 NEPCO SERVICES COMPANY
 NORTHEASTERN POWER COMPANY
 OAK GROVE MANAGEMENT COMPANY LLC
 OAK HILL SOLAR LLC
 OAKLAND ENERGY STORAGE 1, LLC
 OAKLAND ENERGY STORAGE 2, LLC
 OAKLAND ENERGY STORAGE 3, LLC
 OAKLAND POWER COMPANY LLC
 ONTELAUNEE POWER OPERATING COMPANY, LLC
 PLEASANTS ENERGY, LLC
 PUBLIC POWER & UTILITY OF MARYLAND, LLC
 PUBLIC POWER & UTILITY OF NY, INC.
 PUBLIC POWER, LLC **expire** (a Connecticut limited liability company)
 PUBLIC POWER, LLC (a Pennsylvania limited liability company)
 REGIONAL ENERGY HOLDINGS, INC.
 RICHLAND-STRYKER GENERATION LLC
 SANDOW POWER COMPANY LLC
 SAYREVILLE POWER GENERATION LP
 SAYREVILLE POWER GP INC.
 SAYREVILLE POWER HOLDINGS LLC
 SITHE ENERGIES, INC.
 SITHE/INDEPENDENCE LLC
 SOUTHWESTERN ELECTRIC SERVICE COMPANY, INC.
 TEXAS ELECTRIC SERVICE COMPANY, INC.
 TEXAS ENERGY INDUSTRIES COMPANY, INC.
 TEXAS POWER & LIGHT COMPANY, INC.
 TEXAS UTILITIES COMPANY, INC.
 TEXAS UTILITIES ELECTRIC COMPANY, INC.
 TRIEAGLE 1, LLC
 TRIEAGLE 2, LLC
 TRIEAGLE ENERGY LP
 TRINIDAD POWER STORAGE LLC
 TXU ELECTRIC COMPANY, INC.
 TXU ENERGY RETAIL COMPANY LLC
 TXU RETAIL SERVICES COMPANY
 UPTON COUNTY SOLAR 2, LLC
 VALUE BASED BRANDS LLC
 VIRIDIAN ENERGY NY, LLC
 VIRIDIAN ENERGY OHIO LLC
 VIRIDIAN ENERGY PA LLC
 VIRIDIAN ENERGY, LLC
 VIRIDIAN INTERNATIONAL MANAGEMENT LLC
 VIRIDIAN NETWORK, LLC
 VISTRA ASSET COMPANY LLC
 VISTRA CORPORATE SERVICES COMPANY
 VISTRA EP PROPERTIES COMPANY
 VISTRA FINANCE CORP.
 VISTRA INSURANCE SOLUTIONS LLC
 VISTRA PREFERRED INC.
 VISTRA ZERO LLC
 VOLT ASSET COMPANY, INC.
 WASHINGTON POWER GENERATION LLC
 WISE COUNTY POWER COMPANY, LLC
 WISE-FUELS PIPELINE, INC.
 ZIMMER POWER COMPANY LLC

[Signature Page to Ninth Supplemental Indenture]

as the Subsidiary Guarantors

By: /s/ Kristopher E. Moldovan
Name: Kristopher E. Moldovan
Title: Executive Vice President and Chief
Financial Officer

[Signature Page to Ninth Supplemental Indenture]

WILMINGTON TRUST, NATIONAL ASSOCIATION,
as the Trustee

By: /s/ Barry D. Somrock
Name: Barry D. Somrock
Title: Vice President

[Signature Page to Ninth Supplemental Indenture]

SCHEDULE I

SUBSIDIARY GUARANTORS

Name	Jurisdiction
Connecticut Gas & Electric, Inc.	Delaware
Energy Services Providers, Inc.	New York
Massachusetts Gas & Electric, Inc.	Massachusetts
U.S. Gas & Electric, Inc.	Delaware
USG&E Solar, Inc.	Delaware
Verengo, Inc.	Delaware

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**NINTH SUPPLEMENTAL INDENTURE
SUBSIDIARY GUARANTEES**

NINTH SUPPLEMENTAL INDENTURE (this “**Supplemental Indenture**”), dated as of December 15, 2022, among the subsidiary guarantors listed on Schedule I hereto (the “**Guaranteeing Subsidiaries**”), Vistra Operations Company LLC, a Delaware limited liability company (the “**Company**”), the other subsidiary guarantors party hereto and Wilmington Trust, National Association, as trustee under the indenture referred to below (the “**Trustee**”).

WITNESSETH

WHEREAS, the Company has heretofore executed and delivered to the Trustee that certain Indenture (as supplemented and amended, the “**Indenture**”), dated as of June 21, 2019, among the Company, the Subsidiary Guarantors party thereto and the Trustee, providing for the original issuance of an aggregate principal amount of \$1,300,000,000 of 5.00% Senior Notes due 2027 (the “**Notes**”);

WHEREAS, the Indenture provides that under certain circumstances the Guaranteeing Subsidiaries shall execute and deliver to the Trustee a supplemental indenture pursuant to which the Guaranteeing Subsidiaries shall unconditionally guarantee all of the Company’s Obligations under the Notes and the Indenture (the “**Subsidiary Guarantees**”); and

WHEREAS, pursuant to Sections 4.07 and 9.01 of the Indenture, the Trustee, the Company and the other Subsidiary Guarantors are authorized and required to execute and deliver this Supplemental Indenture.

NOW THEREFORE, in consideration of the foregoing and for good and valuable consideration, the receipt of which is hereby acknowledged, the Guaranteeing Subsidiaries, the Trustee, the Company and the other Subsidiary Guarantors mutually covenant and agree for the equal and ratable benefit of the Holders of the Notes as follows:

1. *Capitalized Terms.* Unless otherwise defined in this Supplemental Indenture, capitalized terms used herein without definition shall have the meanings assigned to them in the Indenture.

2. *Agreement to be Bound; Guarantee.* The Guaranteeing Subsidiaries hereby become a party to the Indenture as a Subsidiary Guarantor and as such will have all of the rights and be subject to all of the Obligations and agreements of a Subsidiary Guarantor under the Indenture. The Guaranteeing Subsidiaries hereby agree to be bound by all of the provisions of the Indenture applicable to a Subsidiary Guarantor and to perform all of the Obligations and agreements of a Subsidiary Guarantor under the Indenture. In furtherance of the foregoing, the Guaranteeing Subsidiaries shall be deemed a Subsidiary Guarantor for purposes of Article 10 of the Indenture, including, without limitation, Section 10.02 thereof.

3. *NEW YORK LAW TO GOVERN.* THIS SUPPLEMENTAL INDENTURE SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK.

4. *Counterparts.* The parties may sign any number of copies of this Supplemental Indenture. Each signed copy shall be an original, but all of them together represent the same agreement.

5. *Effect of Headings.* The Section headings herein are for convenience only and shall not affect the construction hereof.

6. *The Trustee.* The Trustee shall not be responsible in any manner whatsoever for or in respect of the validity or sufficiency of this Supplemental Indenture or for or in respect of the recitals contained herein, all of which recitals are made solely by the Guaranteeing Subsidiaries and the Company.

7. *Ratification of Indenture; Supplemental Indenture Part of Indenture.* Except as expressly amended hereby, the Indenture is in all respects ratified and confirmed and all the terms, conditions and provisions thereof shall remain in full force and effect. This Supplemental Indenture shall form a part of the Indenture for all purposes, and every Holder of Notes heretofore or hereafter authenticated and delivered shall be bound hereby.

[Signature pages follow]

IN WITNESS WHEREOF, the parties hereto have caused this Supplemental Indenture to be duly executed and attested, all as of the date first written above.

CONNECTICUT GAS & ELECTRIC, INC.
ENERGY SERVICES PROVIDERS, INC.
MASSACHUSETTS GAS & ELECTRIC, INC.
U.S. GAS & ELECTRIC, INC.
USG&E SOLAR, INC.
VERENGO, INC.,
as the Guaranteeing Subsidiaries

By: /s/ Kristopher E. Moldovan
Name: Kristopher E. Moldovan
Title: Executive Vice President and Chief Financial
Officer

[Signature Page to Ninth Supplemental Indenture]

VISTRA OPERATIONS COMPANY LLC,
as the Company

By: /s/ Kristopher E. Moldovan
Name: Kristopher E. Moldovan
Title: Executive Vice President and Chief Financial Officer

[Signature Page to Ninth Supplemental Indenture]

AMBIT CALIFORNIA, LLC
 AMBIT ENERGY HOLDINGS, LLC
 AMBIT HOLDINGS, LLC
 AMBIT ILLINOIS, LLC
 AMBIT MARKETING, LLC
 AMBIT MIDWEST, LLC
 AMBIT NEW YORK, LLC
 AMBIT NORTHEAST, LLC
 AMBIT TEXAS, LLC
 ANGUS SOLAR, LLC
 BELLINGHAM POWER GENERATION LLC
 BIG BROWN POWER COMPANY LLC
 BIG SKY GAS HOLDINGS, LLC
 BIG SKY GAS LLC
 BLACKSTONE POWER GENERATION LLC
 BLUENET HOLDINGS, LLC
 BRIGHTSIDE SOLAR, LLC
 CALUMET ENERGY TEAM, LLC
 CASCO BAY ENERGY COMPANY, LLC
 COFFEEN AND WESTERN RAILROAD COMPANY
 COLETO CREEK ENERGY STORAGE LLC
 COLETO CREEK POWER, LLC
 COMANCHE PEAK POWER COMPANY LLC
 CORE SOLAR SPV I, LLC
 CRIUS ENERGY CORPORATION
 CRIUS ENERGY, LLC
 CRIUS SOLAR FULFILLMENT, LLC
 DALLAS POWER & LIGHT COMPANY, INC.
 DICKS CREEK POWER COMPANY LLC
 DYNEGY COAL HOLDCO, LLC
 DYNEGY COAL TRADING & TRANSPORTATION, L.L.C.
 DYNEGY CONESVILLE, LLC
 DYNEGY ENERGY SERVICES (EAST), LLC
 DYNEGY ENERGY SERVICES, LLC
 DYNEGY KILLEN, LLC
 DYNEGY MARKETING AND TRADE, LLC
 DYNEGY MIDWEST GENERATION, LLC
 DYNEGY OPERATING COMPANY
 DYNEGY POWER MARKETING, LLC
 DYNEGY RESOURCES GENERATING HOLDCO, LLC
 DYNEGY SOUTH BAY, LLC
 DYNEGY STUART, LLC
 EMERALD GROVE SOLAR, LLC
 ENERGY REWARDS, LLC
 ENNIS POWER COMPANY, LLC
 EQUIPOWER RESOURCES CORP.
 EVERYDAY ENERGY NJ, LLC
 EVERYDAY ENERGY, LLC
 FAYETTE POWER COMPANY LLC
 FOREST GROVE SOLAR LLC
 GENERATION SVC COMPANY
 HANGING ROCK POWER COMPANY LLC
 HAYS ENERGY, LLC
 HOPEWELL POWER GENERATION, LLC
 ILLINOIS POWER GENERATING COMPANY
 ILLINOIS POWER MARKETING COMPANY
 ILLINOIS POWER RESOURCES GENERATING, LLC
 ILLINOIS POWER RESOURCES, LLC
 ILLINOVA CORPORATION
 IPH, LLC
 KENDALL POWER COMPANY LLC
 KINCAID GENERATION, L.L.C.
 LA FRONTERA HOLDINGS, LLC
 LAKE ROAD GENERATING COMPANY, LLC
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 LUMINANT COAL GENERATION LLC
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 LUMINANT ENERGY TRADING CALIFORNIA COMPANY
 LUMINANT ET SERVICES COMPANY LLC

LUMINANT GAS IMPORTS LLC
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 LUMINANT POWER GENERATION INC.
 LUMINANT POWER LLC
 MASSPOWER, LLC
 MIAMI FORT POWER COMPANY LLC
 MIDLOTHIAN ENERGY, LLC
 MILFORD POWER COMPANY, LLC
 MORRO BAY ENERGY STORAGE 1, LLC
 MORRO BAY ENERGY STORAGE 2, LLC
 MORRO BAY POWER COMPANY LLC
 MOSS LANDING ENERGY STORAGE 1, LLC
 MOSS LANDING ENERGY STORAGE 2, LLC
 MOSS LANDING ENERGY STORAGE 3, LLC
 MOSS LANDING ENERGY STORAGE 4, LLC
 MOSS LANDING POWER COMPANY LLC
 NCA RESOURCES DEVELOPMENT COMPANY LLC
 NEPCO SERVICES COMPANY
 NORTHEASTERN POWER COMPANY
 OAK GROVE MANAGEMENT COMPANY LLC
 OAK HILL SOLAR LLC
 OAKLAND ENERGY STORAGE 1, LLC
 OAKLAND ENERGY STORAGE 2, LLC
 OAKLAND ENERGY STORAGE 3, LLC
 OAKLAND POWER COMPANY LLC
 ONTELAUNEE POWER OPERATING COMPANY, LLC
 PLEASANTS ENERGY, LLC
 PUBLIC POWER & UTILITY OF MARYLAND, LLC
 PUBLIC POWER & UTILITY OF NY, INC.
 PUBLIC POWER, LLC (a Connecticut limited liability company)
 PUBLIC POWER, LLC (a Pennsylvania limited liability company)
 REGIONAL ENERGY HOLDINGS, INC.
 RICHLAND-STRYKER GENERATION LLC
 SANDOW POWER COMPANY LLC
 SAYREVILLE POWER GENERATION LP
 SAYREVILLE POWER GP INC.
 SAYREVILLE POWER HOLDINGS LLC
 SITHE ENERGIES, INC.
 SITHE/INDEPENDENCE LLC
 SOUTHWESTERN ELECTRIC SERVICE COMPANY, INC.
 TEXAS ELECTRIC SERVICE COMPANY, INC.
 TEXAS ENERGY INDUSTRIES COMPANY, INC.
 TEXAS POWER & LIGHT COMPANY, INC.
 TEXAS UTILITIES COMPANY, INC.
 TEXAS UTILITIES ELECTRIC COMPANY, INC.
 TRIEAGLE 1, LLC
 TRIEAGLE 2, LLC
 TRIEAGLE ENERGY LP
 TRINIDAD POWER STORAGE LLC
 TXU ELECTRIC COMPANY, INC.
 TXU ENERGY RETAIL COMPANY LLC
 TXU RETAIL SERVICES COMPANY
 UPTON COUNTY SOLAR 2, LLC
 VALUE BASED BRANDS LLC
 VIRIDIAN ENERGY NY, LLC
 VIRIDIAN ENERGY OHIO LLC
 VIRIDIAN ENERGY PA LLC
 VIRIDIAN ENERGY, LLC
 VIRIDIAN INTERNATIONAL MANAGEMENT LLC
 VIRIDIAN NETWORK, LLC
 VISTRA ASSET COMPANY LLC
 VISTRA CORPORATE SERVICES COMPANY
 VISTRA EP PROPERTIES COMPANY
 VISTRA FINANCE CORP.
 VISTRA INSURANCE SOLUTIONS LLC
 VISTRA PREFERRED INC.
 VISTRA ZERO LLC
 VOLT ASSET COMPANY, INC.
 WASHINGTON POWER GENERATION LLC
 WISE COUNTY POWER COMPANY, LLC
 WISE-FUELS PIPELINE, INC.
 ZIMMER POWER COMPANY LLC

[Signature Page to Ninth Supplemental Indenture]

as the Subsidiary Guarantors

By: /s/ Kristopher E. Moldovan
Name: Kristopher E. Moldovan
Title: Executive Vice President and Chief
Financial Officer

[Signature Page to Ninth Supplemental Indenture]

WILMINGTON TRUST, NATIONAL ASSOCIATION,
as the Trustee

By: /s/ Barry D. Somrock
Name: Barry D. Somrock
Title: Vice President

[Signature Page to Ninth Supplemental Indenture]

SCHEDULE I

SUBSIDIARY GUARANTORS

Name	Jurisdiction
Connecticut Gas & Electric, Inc.	Delaware
Energy Services Providers, Inc.	New York
Massachusetts Gas & Electric, Inc.	Massachusetts
U.S. Gas & Electric, Inc.	Delaware
USG&E Solar, Inc.	Delaware
Verengo, Inc.	Delaware

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TWELFTH SUPPLEMENTAL INDENTURE

SUBSIDIARY GUARANTEES

TWELFTH SUPPLEMENTAL INDENTURE (this “**Supplemental Indenture**”), dated as of December 15, 2022, among the subsidiary guarantors listed on Schedule I hereto (the “**Guaranteeing Subsidiaries**”), Vistra Operations Company LLC, a Delaware limited liability company (the “**Company**”), the other subsidiary guarantors party hereto and Wilmington Trust, National Association, as trustee under the indenture referred to below (the “**Trustee**”).

WITNESSETH

WHEREAS, the Company has heretofore executed and delivered to the Trustee (i) that certain Indenture (the “**Base Indenture**”), dated as of June 11, 2019, among the Company and the Trustee, (ii) that certain Supplemental Indenture (the “**First Supplement**”), dated as of June 11, 2019, among the Company, the Subsidiary Guarantors party thereto and the Trustee, providing for the original issuance of an aggregate principal amount of \$1,200,000,000 of 3.55% Senior Secured Notes due 2024 (the “**2024 3.55% Notes**”) and aggregate principal amount of \$800,000,000 of 4.30% Senior Secured Notes due 2029 (the “**2029 Notes**”), (iii) that certain Second Supplemental Indenture, dated as of August 30, 2019, among the Company, the Subsidiary Guarantors party thereto and the Trustee (the “**Second Supplement**”), (iv) that certain Third Supplemental Indenture, dated as of October 25, 2019, among the Company, the Subsidiary Guarantors party thereto and the Trustee (the “**Third Supplement**”), (v) that certain Fourth Supplemental Indenture, dated as of November 15, 2019, among the Company, the Subsidiary Guarantors party thereto and the Trustee, providing for the issuance of \$800,000,000 of 3.70% Senior Secured Notes due 2027 (the “**2027 Notes**”) (the “**Fourth Supplement**”), (vi) that certain Fifth Supplemental Indenture, dated as of January 31, 2020, among the Company, the Subsidiary Guarantors party thereto and the Trustee (the “**Fifth Supplement**”), (vii) that certain Sixth Supplemental Indenture, dated as of March 26, 2020, among the Company, the Subsidiary Guarantors party thereto and the Trustee (the “**Sixth Supplement**”), (viii) that certain Seventh Supplemental Indenture, dated as of October 7, 2020, among the Company, the Subsidiary Guarantors party thereto and the Trustee (the “**Seventh Supplement**”), (ix) that certain Eighth Supplemental Indenture, dated as of January 8, 2021, among the Company, the Subsidiary Guarantors party thereto and the Trustee (the “**Eighth Supplement**”), (x) that certain Ninth Supplemental Indenture, dated as of July 29, 2021, among the Company, the Subsidiary Guarantors party thereto and the Trustee (the “**Ninth Supplement**”), (xi) that certain Tenth Supplemental Indenture, dated as of December 28, 2021, among the Company, the Subsidiary Guarantors party thereto and the Trustee (the “**Tenth Supplement**”), and (xii) that certain Eleventh Supplemental Indenture, dated as of May 13, 2022, among the Company, the Subsidiary Guarantors party thereto and the Trustee, providing for the original issuance of an aggregate principal amount of \$400,000,000 of 4.875% Senior Secured Notes due 2024 (the “**2024 4.875% Notes**”) and aggregate principal amount of \$1,100,000,000 of 5.125% Senior Secured Notes due 2025 (the “**2025 Notes**” and, collectively with the 2024 3.55% Notes, the 2029 Notes, the 2027 Notes, and the 2024 4.875% Notes, the “**Notes**”) (the “**Eleventh Supplement**” and, together with the Base Indenture, the First Supplement, the Second Supplement, the Third Supplement, the Fourth Supplement, the Fifth Supplement, the Sixth Supplement, the Seventh Supplement, the Eighth Supplement, the Ninth Supplement, and the Tenth Supplement, the “**Indenture**”);

WHEREAS, the Indenture provides that under certain circumstances the Guaranteeing Subsidiaries shall execute and deliver to the Trustee a supplemental indenture pursuant to which the Guaranteeing Subsidiaries shall unconditionally guarantee all of the Company's Obligations under the Notes and the Indenture (the “**Subsidiary Guarantees**”); and

WHEREAS, pursuant to Section 9.01 of the Base Indenture and Sections 4.07 and 9.01 of the First Supplement, the Fourth Supplement, and the Eleventh Supplement, the Trustee, the Company

and the other Subsidiary Guarantors are authorized and required to execute and deliver this Supplemental Indenture.

NOW THEREFORE, in consideration of the foregoing and for good and valuable consideration, the receipt of which is hereby acknowledged, the Guaranteeing Subsidiaries, the Trustee, the Company and the other Subsidiary Guarantors mutually covenant and agree for the equal and ratable benefit of the Holders of the Notes as follows:

1. *Capitalized Terms.* Unless otherwise defined in this Supplemental Indenture, capitalized terms used herein without definition shall have the meanings assigned to them in the Base Indenture, First Supplement or Fourth Supplement, as applicable.

2. *Agreement to be Bound; Guarantee.* The Guaranteeing Subsidiaries hereby become a party to the Indenture as a Subsidiary Guarantor and as such will have all of the rights and be subject to all of the Obligations and agreements of a Subsidiary Guarantor under the Indenture. The Guaranteeing Subsidiaries hereby agree to be bound by all of the provisions of the Indenture applicable to a Subsidiary Guarantor and to perform all of the Obligations and agreements of a Subsidiary Guarantor under the Indentures. In furtherance of the foregoing, the Guaranteeing Subsidiaries shall be deemed a Subsidiary Guarantor for purposes of Article 10 of the First Supplement and the Fourth Supplement, including, without limitation, Section 10.02 thereof.

3. *NEW YORK LAW TO GOVERN.* THIS SUPPLEMENTAL INDENTURE SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK.

4. *Counterparts.* The parties may sign any number of copies of this Supplemental Indenture. Each signed copy shall be an original, but all of them together represent the same agreement.

5. *Effect of Headings.* The Section headings herein are for convenience only and shall not affect the construction hereof.

6. *The Trustee.* The Trustee shall not be responsible in any manner whatsoever for or in respect of the validity or sufficiency of this Supplemental Indenture or for or in respect of the recitals contained herein, all of which recitals are made solely by the Guaranteeing Subsidiaries and the Company.

7. *Ratification of Indenture; Supplemental Indenture Part of Indenture.* Except as expressly amended hereby, the Indenture is in all respects ratified and confirmed and all the terms, conditions and provisions thereof shall remain in full force and effect. This Supplemental Indenture shall form a part of the Indenture for all purposes, and every Holder of Notes heretofore or hereafter authenticated and delivered shall be bound hereby.

[Signature pages follow]

IN WITNESS WHEREOF, the parties hereto have caused this Supplemental Indenture to be duly executed and attested, all as of the date first written above.

CONNECTICUT GAS & ELECTRIC, INC.
ENERGY SERVICES PROVIDERS, INC.
MASSACHUSETTS GAS & ELECTRIC, INC.
U.S. GAS & ELECTRIC, INC.
USG&E SOLAR, INC.
VERENGO, INC.,
as the Guaranteeing Subsidiaries

By: /s/ Kristopher E. Moldovan
Name: Kristopher E. Moldovan
Title: Executive Vice President and Chief Financial
Officer

[Signature Page to Twelfth Supplemental Indenture]

VISTRA OPERATIONS COMPANY LLC,
as the Company

By: /s/ Kristopher E. Moldovan
Name: Kristopher E. Moldovan
Title: Executive Vice President and Chief Financial Officer

[Signature Page to Twelfth Supplemental Indenture]

AMBIT CALIFORNIA, LLC
 AMBIT ENERGY HOLDINGS, LLC
 AMBIT HOLDINGS, LLC
 AMBIT ILLINOIS, LLC
 AMBIT MARKETING, LLC
 AMBIT MIDWEST, LLC
 AMBIT NEW YORK, LLC
 AMBIT NORTHEAST, LLC
 AMBIT TEXAS, LLC
 ANGUS SOLAR, LLC
 BELLINGHAM POWER GENERATION LLC
 BIG BROWN POWER COMPANY LLC
 BIG SKY GAS HOLDINGS, LLC
 BIG SKY GAS LLC
 BLACKSTONE POWER GENERATION LLC
 BLUNET HOLDINGS, LLC
 BRIGHTSIDE SOLAR, LLC
 CALUMET ENERGY TEAM, LLC
 CASCO BAY ENERGY COMPANY, LLC
 COFFEEN AND WESTERN RAILROAD COMPANY
 COLETO CREEK ENERGY STORAGE LLC
 COLETO CREEK POWER, LLC
 COMANCHE PEAK POWER COMPANY LLC
 CORE SOLAR SPV I, LLC
 CRIUS ENERGY CORPORATION
 CRIUS ENERGY, LLC
 CRIUS SOLAR FULFILLMENT, LLC
 DALLAS POWER & LIGHT COMPANY, INC.
 DICKS CREEK POWER COMPANY LLC
 DYNEGY COAL HOLDCO, LLC
 DYNEGY COAL TRADING & TRANSPORTATION, L.L.C.
 DYNEGY CONESVILLE, LLC
 DYNEGY ENERGY SERVICES (EAST), LLC
 DYNEGY ENERGY SERVICES, LLC
 DYNEGY KILLEN, LLC
 DYNEGY MARKETING AND TRADE, LLC
 DYNEGY MIDWEST GENERATION, LLC
 DYNEGY OPERATING COMPANY
 DYNEGY POWER MARKETING, LLC
 DYNEGY RESOURCES GENERATING HOLDCO, LLC
 DYNEGY SOUTH BAY, LLC
 DYNEGY STUART, LLC
 EMERALD GROVE SOLAR, LLC
 ENERGY REWARDS, LLC
 ENNIS POWER COMPANY, LLC
 EQUIPOWER RESOURCES CORP.
 EVERYDAY ENERGY NJ, LLC
 EVERYDAY ENERGY, LLC
 FAYETTE POWER COMPANY LLC
 FOREST GROVE SOLAR LLC
 GENERATION SVC COMPANY
 HANGING ROCK POWER COMPANY LLC
 HAYS ENERGY, LLC
 HOPEWELL POWER GENERATION, LLC
 ILLINOIS POWER GENERATING COMPANY
 ILLINOIS POWER MARKETING COMPANY
 ILLINOIS POWER RESOURCES GENERATING, LLC
 ILLINOIS POWER RESOURCES, LLC
 ILLINOVA CORPORATION
 IPH, LLC
 KENDALL POWER COMPANY LLC
 KINCAID GENERATION, L.L.C.
 LA FRONTERA HOLDINGS, LLC
 LAKE ROAD GENERATING COMPANY, LLC
 LIBERTY ELECTRIC POWER, LLC
 LONE STAR ENERGY COMPANY, INC.
 LONE STAR PIPELINE COMPANY, INC.
 LUMINANT ADMINISTRATIVE SERVICES COMPANY
 LUMINANT COAL GENERATION LLC
 LUMINANT COMMERCIAL ASSET MANAGEMENT LLC
 LUMINANT ENERGY COMPANY LLC
 LUMINANT ENERGY TRADING CALIFORNIA COMPANY

LUMINANT ET SERVICES COMPANY LLC
 LUMINANT GAS IMPORTS LLC
 LUMINANT GENERATION COMPANY LLC
 LUMINANT MINING COMPANY LLC
 LUMINANT POWER GENERATION INC.
 LUMINANT POWER LLC
 MASSPOWER, LLC
 MIAMI FORT POWER COMPANY LLC
 MIDLOTHIAN ENERGY, LLC
 MILFORD POWER COMPANY, LLC
 MORRO BAY ENERGY STORAGE 1, LLC
 MORRO BAY ENERGY STORAGE 2, LLC
 MORRO BAY POWER COMPANY LLC
 MOSS LANDING ENERGY STORAGE 1, LLC
 MOSS LANDING ENERGY STORAGE 2, LLC
 MOSS LANDING ENERGY STORAGE 3, LLC
 MOSS LANDING ENERGY STORAGE 4, LLC
 MOSS LANDING POWER COMPANY LLC
 NCA RESOURCES DEVELOPMENT COMPANY LLC
 NEPCO SERVICES COMPANY
 NORTHEASTERN POWER COMPANY
 OAK GROVE MANAGEMENT COMPANY LLC
 OAK HILL SOLAR LLC
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 OAKLAND ENERGY STORAGE 2, LLC
 OAKLAND ENERGY STORAGE 3, LLC
 OAKLAND POWER COMPANY LLC
 ONTELAUNEE POWER OPERATING COMPANY, LLC
 PLEASANTS ENERGY, LLC
 PUBLIC POWER & UTILITY OF MARYLAND, LLC
 PUBLIC POWER & UTILITY OF NY, INC.
 PUBLIC POWER, LLC (a Connecticut limited liability company)
 PUBLIC POWER, LLC (a Pennsylvania limited liability company)
 REGIONAL ENERGY HOLDINGS, INC.
 RICHLAND-STRYKER GENERATION LLC
 SANDOW POWER COMPANY LLC
 SAYREVILLE POWER GENERATION LP
 SAYREVILLE POWER GP INC.
 SAYREVILLE POWER HOLDINGS LLC
 SITHE ENERGIES, INC.
 SITHE/INDEPENDENCE LLC
 SOUTHWESTERN ELECTRIC SERVICE COMPANY, INC.
 TEXAS ELECTRIC SERVICE COMPANY, INC.
 TEXAS ENERGY INDUSTRIES COMPANY, INC.
 TEXAS POWER & LIGHT COMPANY, INC.
 TEXAS UTILITIES COMPANY, INC.
 TEXAS UTILITIES ELECTRIC COMPANY, INC.
 TRIEAGLE 1, LLC
 TRIEAGLE 2, LLC
 TRIEAGLE ENERGY LP
 TRINIDAD POWER STORAGE LLC
 TXU ELECTRIC COMPANY, INC.
 TXU ENERGY RETAIL COMPANY LLC
 TXU RETAIL SERVICES COMPANY
 UPTON COUNTY SOLAR 2, LLC
 VALUE BASED BRANDS LLC
 VIRIDIAN ENERGY NY, LLC
 VIRIDIAN ENERGY OHIO LLC
 VIRIDIAN ENERGY PA LLC
 VIRIDIAN ENERGY, LLC
 VIRIDIAN INTERNATIONAL MANAGEMENT LLC
 VIRIDIAN NETWORK, LLC
 VISTRA ASSET COMPANY LLC
 VISTRA CORPORATE SERVICES COMPANY
 VISTRA EP PROPERTIES COMPANY
 VISTRA FINANCE CORP.
 VISTRA INSURANCE SOLUTIONS LLC
 VISTRA PREFERRED INC.
 VISTRA ZERO LLC
 VOLT ASSET COMPANY, INC.
 WASHINGTON POWER GENERATION LLC
 WISE COUNTY POWER COMPANY, LLC

[Signature Page to Twelfth Supplemental Indenture]

WISE-FUELS PIPELINE, INC.

ZIMMER POWER COMPANY LLC

as the Subsidiary Guarantors

By: /s/ Kristopher E. Moldovan

Name: Kristopher E. Moldovan

Title: Executive Vice President and Chief
Financial Officer

[Signature Page to Twelfth Supplemental Indenture]

WILMINGTON TRUST, NATIONAL ASSOCIATION,

as the Trustee

By: /s/ Barry D. Somrock

Name: Barry D. Somrock

Title: Vice President

[Signature Page to Twelfth Supplemental Indenture]

SCHEDULE I

SUBSIDIARY GUARANTORS

Name	Jurisdiction
Connecticut Gas & Electric, Inc.	Delaware
Energy Services Providers, Inc.	New York
Massachusetts Gas & Electric, Inc.	Massachusetts
U.S. Gas & Electric, Inc.	Delaware
USG&E Solar, Inc.	Delaware
Verengo, Inc.	Delaware

THIRD SUPPLEMENTAL INDENTURE SUBSIDIARY GUARANTEES

THIRD SUPPLEMENTAL INDENTURE (this “**Supplemental Indenture**”), dated as of December 15, 2022, among the subsidiary guarantors listed on Schedule I hereto (the “**Guaranteeing Subsidiaries**”), Vistra Operations Company LLC, a Delaware limited liability company (the “**Company**”), the other subsidiary guarantors party hereto and Wilmington Trust, National Association, as trustee under the indenture referred to below (the “**Trustee**”).

WITNESSETH

WHEREAS, the Company has heretofore executed and delivered to the Trustee that certain Indenture (as supplemented and amended, the “**Indenture**”), dated as of May 10, 2021, among the Company, the Subsidiary Guarantors party thereto and the Trustee, providing for the original issuance of an aggregate principal amount of \$1,250,000,000 of 4.375% Senior Notes due 2029 (the “**Notes**”);

WHEREAS, the Indenture provides that under certain circumstances the Guaranteeing Subsidiaries shall execute and deliver to the Trustee a supplemental indenture pursuant to which the Guaranteeing Subsidiaries shall unconditionally guarantee all of the Company’s Obligations under the Notes and the Indenture (the “**Subsidiary Guarantees**”); and

WHEREAS, pursuant to Sections 4.07 and 9.01 of the Indenture, the Trustee, the Company and the other Subsidiary Guarantors are authorized and required to execute and deliver this Supplemental Indenture.

NOW THEREFORE, in consideration of the foregoing and for good and valuable consideration, the receipt of which is hereby acknowledged, the Guaranteeing Subsidiaries, the Trustee, the Company and the other Subsidiary Guarantors mutually covenant and agree for the equal and ratable benefit of the Holders of the Notes as follows:

1. **Capitalized Terms.** Unless otherwise defined in this Supplemental Indenture, capitalized terms used herein without definition shall have the meanings assigned to them in the Indenture.
2. **Agreement to be Bound; Guarantee.** The Guaranteeing Subsidiaries hereby become a party to the Indenture as a Subsidiary Guarantor and as such will have all of the rights and be subject to all of the Obligations and agreements of a Subsidiary Guarantor under the Indenture. The Guaranteeing Subsidiaries hereby agree to be bound by all of the provisions of the Indenture applicable to a Subsidiary Guarantor and to perform all of the Obligations and agreements of a Subsidiary Guarantor under the Indenture. In furtherance of the foregoing, the Guaranteeing Subsidiaries shall be deemed a Subsidiary Guarantor for purposes of Article 10 of the Indenture, including, without limitation, Section 10.02 thereof.
3. **NEW YORK LAW TO GOVERN.** THIS SUPPLEMENTAL INDENTURE SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK.
4. **Counterparts.** The parties may sign any number of copies of this Supplemental Indenture. Each signed copy shall be an original, but all of them together represent the same agreement.
5. **Effect of Headings.** The Section headings herein are for convenience only and shall not affect the construction hereof.
6. **The Trustee.** The Trustee shall not be responsible in any manner whatsoever for or in respect of the validity or sufficiency of this Supplemental Indenture or for or in respect of the recitals contained herein, all of which recitals are made solely by the Guaranteeing Subsidiaries and the Company.
7. **Ratification of Indenture; Supplemental Indenture Part of Indenture.** Except as expressly amended hereby, the Indenture is in all respects ratified and confirmed and all the terms, conditions and provisions thereof shall remain in full force and effect. This Supplemental Indenture shall form a part of the Indenture for all purposes, and every Holder of Notes heretofore or hereafter authenticated and delivered shall be bound hereby.

[Signature pages follow]

IN WITNESS WHEREOF, the parties hereto have caused this Supplemental Indenture to be duly executed and attested, all as of the date first written above.

CONNECTICUT GAS & ELECTRIC, INC.
ENERGY SERVICES PROVIDERS, INC.
MASSACHUSETTS GAS & ELECTRIC, INC.
U.S. GAS & ELECTRIC, INC.
USG&E SOLAR, INC.
VERENGO, INC.,
as the Guaranteeing Subsidiaries

By: /s/ Kristopher E. Moldovan
Name: Kristopher E. Moldovan
Title: Executive Vice President and Chief Financial
Officer

[Signature Page to Third Supplemental Indenture]

VISTRA OPERATIONS COMPANY LLC,
as the Company

By: /s/ Kristopher E. Moldovan
Name: Kristopher E. Moldovan
Title: Executive Vice President and Chief Financial Officer

[Signature Page to Third Supplemental Indenture]

AMBIT CALIFORNIA, LLC
AMBIT ENERGY HOLDINGS, LLC
AMBIT HOLDINGS, LLC
AMBIT ILLINOIS, LLC
AMBIT MARKETING, LLC
AMBIT MIDWEST, LLC
AMBIT NEW YORK, LLC
AMBIT NORTHEAST, LLC
AMBIT TEXAS, LLC
ANGUS SOLAR, LLC
BELLINGHAM POWER GENERATION LLC
BIG BROWN POWER COMPANY LLC
BIG SKY GAS HOLDINGS, LLC
BIG SKY GAS LLC
BLACKSTONE POWER GENERATION LLC
BLUNET HOLDINGS, LLC
BRIGHTSIDE SOLAR, LLC
CALUMET ENERGY TEAM, LLC
CASCO BAY ENERGY COMPANY, LLC
COFFEEN AND WESTERN RAILROAD COMPANY
COLETO CREEK ENERGY STORAGE LLC
COLETO CREEK POWER, LLC
COMANCHE PEAK POWER COMPANY LLC
CORE SOLAR SPV I, LLC
CRIUS ENERGY CORPORATION
CRIUS ENERGY, LLC
CRIUS SOLAR FULFILLMENT, LLC
DALLAS POWER & LIGHT COMPANY, INC.
DICKS CREEK POWER COMPANY LLC
DYNEGY COAL HOLDCO, LLC
DYNEGY COAL TRADING & TRANSPORTATION, L.L.C.
DYNEGY CONESVILLE, LLC
DYNEGY ENERGY SERVICES (EAST), LLC
DYNEGY ENERGY SERVICES, LLC
DYNEGY KILLEN, LLC
DYNEGY MARKETING AND TRADE, LLC
DYNEGY MIDWEST GENERATION, LLC
DYNEGY OPERATING COMPANY
DYNEGY POWER MARKETING, LLC
DYNEGY RESOURCES GENERATING HOLDCO, LLC
DYNEGY SOUTH BAY, LLC
DYNEGY STUART, LLC
EMERALD GROVE SOLAR, LLC
ENERGY REWARDS, LLC
ENNIS POWER COMPANY, LLC
EQUIPOWER RESOURCES CORP.
EVERYDAY ENERGY NJ, LLC
EVERYDAY ENERGY, LLC
FAYETTE POWER COMPANY LLC
FOREST GROVE SOLAR LLC
GENERATION SVC COMPANY
HANGING ROCK POWER COMPANY LLC
HAYS ENERGY, LLC
HOPEWELL POWER GENERATION, LLC
ILLINOIS POWER GENERATING COMPANY
ILLINOIS POWER MARKETING COMPANY
ILLINOIS POWER RESOURCES GENERATING, LLC
ILLINOIS POWER RESOURCES, LLC
ILLINOVA CORPORATION
IPH, LLC
KENDALL POWER COMPANY LLC
KINCAID GENERATION, L.L.C.
LA FRONTERA HOLDINGS, LLC
LAKE ROAD GENERATING COMPANY, LLC
LIBERTY ELECTRIC POWER, LLC
LONE STAR ENERGY COMPANY, INC.
LONE STAR PIPELINE COMPANY, INC.
LUMINANT ADMINISTRATIVE SERVICES COMPANY
LUMINANT COAL GENERATION LLC
LUMINANT COMMERCIAL ASSET MANAGEMENT LLC
LUMINANT ENERGY COMPANY LLC
LUMINANT ENERGY TRADING CALIFORNIA COMPANY

LUMINANT ET SERVICES COMPANY LLC
LUMINANT GAS IMPORTS LLC
LUMINANT GENERATION COMPANY LLC
LUMINANT MINING COMPANY LLC
LUMINANT POWER GENERATION INC.
LUMINANT POWER LLC
MASSPOWER, LLC
MIAMI FORT POWER COMPANY LLC
MIDLOTHIAN ENERGY, LLC
MILFORD POWER COMPANY, LLC
MORRO BAY ENERGY STORAGE 1, LLC
MORRO BAY ENERGY STORAGE 2, LLC
MORRO BAY POWER COMPANY LLC
MOSS LANDING ENERGY STORAGE 1, LLC
MOSS LANDING ENERGY STORAGE 2, LLC
MOSS LANDING ENERGY STORAGE 3, LLC
MOSS LANDING ENERGY STORAGE 4, LLC
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NEPCO SERVICES COMPANY
NORTHEASTERN POWER COMPANY
OAK GROVE MANAGEMENT COMPANY LLC
OAK HILL SOLAR LLC
OAKLAND ENERGY STORAGE 1, LLC
OAKLAND ENERGY STORAGE 2, LLC
OAKLAND ENERGY STORAGE 3, LLC
OAKLAND POWER COMPANY LLC
ONTELAUNEE POWER OPERATING COMPANY, LLC
PLEASANTS ENERGY, LLC
PUBLIC POWER & UTILITY OF MARYLAND, LLC
PUBLIC POWER & UTILITY OF NY, INC.
PUBLIC POWER, LLC (a Connecticut limited liability company)
PUBLIC POWER, LLC (a Pennsylvania limited liability company)
REGIONAL ENERGY HOLDINGS, INC.
RICHLAND-STRYKER GENERATION LLC
SANDOW POWER COMPANY LLC
SAYREVILLE POWER GENERATION LP
SAYREVILLE POWER GP INC.
SAYREVILLE POWER HOLDINGS LLC
SITHE ENERGIES, INC.
SITHE/INDEPENDENCE LLC
SOUTHWESTERN ELECTRIC SERVICE COMPANY, INC.
TEXAS ELECTRIC SERVICE COMPANY, INC.
TEXAS ENERGY INDUSTRIES COMPANY, INC.
TEXAS POWER & LIGHT COMPANY, INC.
TEXAS UTILITIES COMPANY, INC.
TEXAS UTILITIES ELECTRIC COMPANY, INC.
TRIEAGLE 1, LLC
TRIEAGLE 2, LLC
TRIEAGLE ENERGY LP
TRINIDAD POWER STORAGE LLC
TXU ELECTRIC COMPANY, INC.
TXU ENERGY RETAIL COMPANY LLC
TXU RETAIL SERVICES COMPANY
UPTON COUNTY SOLAR 2, LLC
VALUE BASED BRANDS LLC
VIRIDIAN ENERGY NY, LLC
VIRIDIAN ENERGY OHIO LLC
VIRIDIAN ENERGY PA LLC
VIRIDIAN ENERGY, LLC
VIRIDIAN INTERNATIONAL MANAGEMENT LLC
VIRIDIAN NETWORK, LLC
VISTRA ASSET COMPANY LLC
VISTRA CORPORATE SERVICES COMPANY
VISTRA EP PROPERTIES COMPANY
VISTRA FINANCE CORP.
VISTRA INSURANCE SOLUTIONS LLC
VISTRA PREFERRED INC.
VISTRA ZERO LLC
VOLT ASSET COMPANY, INC.
WASHINGTON POWER GENERATION LLC
WISE COUNTY POWER COMPANY, LLC

[Signature Page to Third Supplemental Indenture]

WISE-FUELS PIPELINE, INC.
ZIMMER POWER COMPANY LLC

as the Subsidiary Guarantors

By: /s/ Kristopher E. Moldovan
Name: Kristopher E. Moldovan
Title: Executive Vice President and Chief
Financial Officer

[Signature Page to Third Supplemental Indenture]

WILMINGTON TRUST, NATIONAL ASSOCIATION,
as the Trustee
By: /s/ Barry D. Somrock
Name: Barry D. Somrock
Title: Vice President

[Signature Page to Third Supplemental Indenture]

SCHEDULE I
SUBSIDIARY GUARANTORS

Name	Jurisdiction
Connecticut Gas & Electric, Inc.	Delaware
Energy Services Providers, Inc.	New York
Massachusetts Gas & Electric, Inc.	Massachusetts
U.S. Gas & Electric, Inc.	Delaware
USG&E Solar, Inc.	Delaware
Verengo, Inc.	Delaware

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Exhibit 4.76

FOURTH AMENDMENT TO RECEIVABLES PURCHASE AGREEMENT

This FOURTH AMENDMENT (this “**Amendment**”), dated as of November 15, 2019, is among TXU ENERGY RECEIVABLES COMPANY LLC, a Delaware limited liability company, as seller (the “**Seller**”), TXU ENERGY RETAIL COMPANY LLC, a Texas limited liability company (“**TXU**”), as servicer (in such capacity, together with its successors and permitted assigns in such capacity, the “**Servicer**”), CREDIT AGRICOLE CORPORATE AND INVESTMENT BANK, a national banking association (“**CACIB**”), as Administrator (in such capacity, together with its successors and permitted assigns in such capacity, the “**Administrator**”), the PURCHASERS and PURCHASER AGENTS from time to time party to the Agreement (as defined below) and VISTRA OPERATIONS COMPANY LLC, a Delaware limited liability company (“**Vistra**”), as Performance Guarantor. Capitalized terms used but not otherwise defined herein have the respective meanings assigned thereto in the Agreement (as defined below).

RECITALS

WHEREAS **i.e.**, the parties hereto are parties to the Receivables Purchase Agreement, dated as of August 21, 2018 (as amended, restated, supplemented or otherwise modified through the date hereof, the “**Agreement**”).

WHEREAS, the parties hereto desire to amend the Agreement as hereinafter set forth.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

AGREEMENT

SECTION 1. Amendments to the Agreement. The defined term “**Commitment**” set forth in **Exhibit I** to the Agreement is hereby amended and restated in its entirety as follows:

“**Commitment**” means, with respect to any Committed Purchaser, and any date of determination during any Period, the amount set forth as such Committed Purchaser’s “**Commitment**” on **Schedule VI** to this Agreement **Initial Expiration Date** or the Assumption Agreement, Transfer Supplement or other agreement pursuant to which such Committed Purchaser became a party hereto, as such amount may be modified in connection with any subsequent assignment pursuant to **Section 7.3(b)** or in connection with a change in the Purchase Limit pursuant to **Section 1.1(c)**; *provided, however* that solely during the period beginning on the Settlement Date occurring in November 2019 and ending on but not including, the Settlement Date occurring in December 2019, the Commitment of Credit Agricole Corporate and Investment Bank shall be \$303,000,000 and the Commitment of Royal Bank of Canada shall be \$257,000,000.

SECTION 2. Rebalancing of Commitment Percentages. In connection with any change in the respective Commitment Percentages of the Purchasers resulting from the amendments

contemplated hereby, the outstanding Capital of each Purchaser shall be rebalanced in accordance with Section 1.2(a) scheduled expiration of the Agreement.

SECTION 3. extended term, if applicable) is herein referred to as the “Conditions to Effectiveness Expiration Date.

This Amendment shall become effective as of the date hereof, provided that neither the Facility Termination Date nor a Termination Event or Unmatured Termination Event has occurred and subject to the condition precedent that the Administrator shall have received counterparts of this Amendment (whether by facsimile or otherwise) executed by each of the parties hereto, in form and substance satisfactory to the Administrator.

SECTION 4. Representations and Warranties.

Each of the Seller and the Servicer, as applicable, hereby represents and warrants to each Purchaser, each Purchaser Agent and the Administrator as follows:

(a) **Representations and Warranties.** The representations and warranties contained in Exhibit III of the Agreement are true and correct as of the date hereof (unless stated to relate solely to an earlier date, in which case such representations or warranties were true and correct as of such earlier date).

(b) **Enforceability.** The execution and delivery by each of the Seller and the Servicer of this Amendment, and the performance of each of its obligations under this Amendment and the Agreement, as amended hereby, are within each of its organizational powers and have been duly authorized by all necessary action on each of its parts. This Amendment and the Agreement, as amended hereby, are each of the Seller's and the Servicer's valid and legally binding obligations, enforceable in accordance with its terms."

(c) **No Default.** Immediately after giving effect to this Amendment and the transactions contemplated hereby, no Termination Event or Unmatured Termination Event exists or shall exist and the Purchased Interest shall not exceed 100%.

SECTION 5. Effect of Amendment; Ratification. Except as specifically amended hereby, the Agreement is hereby ratified and confirmed in all respects, and all of its provisions shall remain in full force and effect. After this Amendment becomes effective, all references in the Agreement (or in any other Transaction Document) to "the Receivables Purchase Agreement", "this Agreement", "hereof", "herein", or words of similar effect, in each case referring to the Agreement, shall be deemed to be references to the Agreement as amended hereby. This Amendment shall not be deemed to expressly or impliedly waive, amend, or supplement any provision of the Agreement other than as specifically set forth herein.

SECTION 6. Reaffirmation of Performance Guaranty. After giving effect to this Amendment and each of the other transactions contemplated hereby, all of the provisions of the Performance Guaranty shall remain in full force and effect and Vistra hereby ratifies and affirms the Performance Guaranty Executive agrees and acknowledges that the Performance Guaranty Company has continued no obligation to extend the Term or to continue Executive's employment following the Expiration Date, and shall continue in full force and effect in accordance with its terms. Executive expressly acknowledges that no promises or understandings to the contrary have been made or reached.

SECTION 7. 2. Counterparts Definitions. This Amendment may be executed in any number For purposes of counterparts (including in PDF or similar electronic format by facsimile or e-mail transmission), each of which, when so executed, this Agreement, the following terms, as used herein, shall be deemed to be an original, and all of which, when taken together, shall constitute one and have the same agreement. definitions set forth below.

SECTION 8. (a) Governing Law "THIS AMENDMENT SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF NEW

YORK (WITHOUT REFERENCE TO ITS CONFLICTS OF LAW PROVISIONS (OTHER THAN §5-1401 AND §5-1402 OF THE NEW YORK GENERAL OBLIGATIONS LAW, WHICH SHALL APPLY HERETO).

SECTION 9. Affiliate Section Headings. The various headings of this Amendment are inserted for convenience only and shall not affect the meaning " means, with respect to any specified Person, any other Person that directly or interpretation of this Amendment or the Agreement or any provision hereof or thereof.

SECTION 10. Successors and Assigns. This Amendment shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns.

SECTION 11. Severability. If any indirectly, through one or more of the agreements, provisions intermediaries, Controls, is Controlled by, or terms of this Amendment shall for any reason whatsoever be held invalid or unenforceable, then is under common Control with, such agreements, provisions or terms shall be deemed severable from the remaining agreements, provisions and terms of this Amendment and shall in no way affect the validity or enforceability of the provisions of this Amendment or the Agreement. specified Person.

[SIGNATURE PAGES FOLLOW]

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IN WITNESS WHEREOF, the parties have executed this Amendment as of the date first written above.

TXU ENERGY RECEIVABLES COMPANY LLC,

as Seller

By: /s/ Kristopher E. Moldovan

Name: Kristopher E. Moldovan

Title: Senior Vice President and Treasurer

TXU ENERGY RETAIL COMPANY LLC, in its individual capacity and as Servicer

By: /s/ Kristopher E. Moldovan

Name: Kristopher E. Moldovan

Title: Senior Vice President and Treasurer

VISTRA OPERATIONS COMPANY LLC, as Performance Guarantor

By: /s/ Kristopher E. Moldovan

Name: Kristopher E. Moldovan

Title: Senior Vice President and Treasurer

[Signature Page to Fourth Amendment to RPA]

CREDIT AGRICOLE CORPORATE AND INVESTMENT BANK, as Administrator

By: /s/ Konstantina Kourmpetis
Name: Konstantina Kourmpetis
Title: Managing Director

By: /s/ Richard McBride
Name: Richard McBride
Title: Director

[Signature Page to Fourth Amendment to RPA]

CACIB PURCHASER GROUP:

CREDIT AGRICOLE CORPORATE AND INVESTMENT BANK, as Purchaser Agent

By: /s/ Konstantina Kourmpetis
Name: Konstantina Kourmpetis
Title: Managing Director

By: /s/ Richard McBride
Name: Richard McBride
Title: Director

CREDIT AGRICOLE CORPORATE AND INVESTMENT BANK, as Committed Purchaser

By: /s/ Konstantina Kourmpetis
Name: Konstantina Kourmpetis
Title: Managing Director

By: /s/ Richard McBride
Name: Richard McBride
Title: Director

ATLANTIC ASSET SECURITIZATION LLC,
as Conduit Purchaser

By: /s/ Konstantina Kourmpetis
Name: Konstantina Kourmpetis
Title: Managing Director

By: /s/ Richard McBride
Name: Richard McBride
Title: Director

[Signature Page to Fourth Amendment to RPA]

RBC PURCHASER GROUP:

ROYAL BANK OF CANADA, as Purchaser Agent

By: /s/ Veronica L. Gallagher
Name: Veronica L. Gallagher
Title: Authorized Signatory

ROYAL BANK OF CANADA, as Committed Purchaser

By: /s/ Veronica L. Gallagher
Name: Veronica L. Gallagher
Title: Authorized Signatory

By: /s/ Kimberly L. Wagner
Name: Kimberly L. Wagner
Title: Authorized Signatory

**THUNDER BAY FUNDING, LLC,
as Conduit Purchaser**

By: /s/ Veronica L. Gallagher
Name: Veronica L. Gallagher
Title: Authorized Signatory

[Signature Page to Fourth Amendment to RPA]

Exhibit 10.22

**VISTRA CORP.
INDEMNIFICATION AGREEMENT**

This Indemnification Agreement (this "Agreement") is made as of this [] day of [], by and between Vistra Corp., a Delaware corporation (the "Company"), and [] (the "Indemnitee").

WHEREAS, the Company desires to attract and retain the services of highly qualified individuals to act as directors and/or officers;

WHEREAS, increased corporate litigation and investigations have subjected directors and officers to litigation risks and expenses, and the limitations on the availability and terms of director and officer liability insurance have made it increasingly difficult for the Company to attract and retain such persons;

WHEREAS, the Company's certificate of incorporation and bylaws contain provisions with respect to indemnification of the Company's directors and officers as authorized by the Delaware General Corporation Law, as amended ("DGCL"), under which the Company is incorporated, and such certificate of incorporation and bylaws provide that the indemnification provided therein is not exclusive;

WHEREAS, in light of the fact that the certificate of incorporation and bylaws of the Company are subject to change and the certificate of incorporation and bylaws do not contain all the provisions and protections set forth in this Agreement, the Company has determined that the Indemnitee and other directors and officers of the Company may not be willing to commence serving or continue to serve in such capacities without additional protection;

WHEREAS, the Company desires and has requested the Indemnitee to commence serving or continue to serve as a director and/or officer of the Company, as the case may be, and has proffered this Agreement to the Indemnitee as an additional inducement to serve in such capacity; and

WHEREAS, the Indemnitee is willing to commence serving, or to continue to serve, as a director and/or officer of the Company, as the case may be, if the Indemnitee is furnished the indemnity provided for herein by the Company.

NOW, THEREFORE, in consideration of the promises and the covenants contained herein, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Company and the Indemnitee do hereby covenant and agree as follows:

1. Definitions.

(a) (b) "Change in Control" shall have the meaning set forth, as be deemed to occur upon any of the date hereof, in the Company's 2016 Omnibus Incentive Plan, following events:

(b) (i) the acquisition by any Person or related "group" (as such term is used in Sections 13(d) and 14(d) of the U.S. Securities Exchange Act of 1934, as amended, and any successor thereto (the "Corporate Status Exchange Act" describes)) of Beneficial Ownership (as defined in Rule 13d-3 promulgated under Section 13 of the status Exchange Act) of 30% or more (on a person who is serving or has served as a (i) director or officer fully diluted basis) of either (A) the then-outstanding shares of the common stock of the Company (ii) (the "Common Stock"), including Common Stock issuable upon the exercise of options or warrants, the conversion of convertible stock or debt, and the exercise of any similar right to acquire such Common Stock (the "Outstanding Company employee Common Stock"); or (B) the combined voting power of the then-outstanding voting securities of the Company entitled to vote in a fiduciary capacity with respect to an the election of directors (the "Outstanding Company Voting Securities"); but excluding any acquisition by the Company or any of its Affiliates or by any employee benefit plan of sponsored or maintained by the Company or (iii) director or officer any of any other Entity at its Affiliates;

(ii) a change in the request composition of the Company. For purposes Board such that members of subsection (iii) the Board during any consecutive twelve (12)-month period (the "Incumbent Directors") cease to constitute a majority of this Section 1(b), without limitation, the Board. Any person becoming a director through election or officer nomination for election approved by a valid vote of at least two-thirds of the Company who is

serving or has served as a director or officer of a Subsidiary Incumbent Directors shall be deemed to be serving at the request of the Company.

(c) an Incumbent Director; "provided Disinterested Director," means however, that no individual becoming a director of the Company who is not and was not a party to the Proceeding in respect of which indemnification is sought by the Indemnitee and is determined to be "disinterested" under applicable Delaware state law.

(d) "Entity" shall mean any corporation, partnership (general or limited), limited liability company, joint venture, trust, employee benefit plan, company, foundation, association, organization or other legal entity, other than the Company.

(e) "Expenses" shall be construed broadly to mean all direct and indirect fees of any type or nature whatsoever, costs and expenses incurred in connection with any Proceeding, including, without limitation, all attorneys' fees and costs, disbursements and retainers (including, without limitation, any fees, disbursements and retainers incurred by the Indemnitee pursuant to Section 10 of this Agreement), fees and disbursements of experts, witnesses, private investigators and professional advisors (including, without limitation, accountants and investment bankers), court costs, filing fees, transcript costs, fees of experts, travel expenses, duplicating, imaging, printing and binding costs, telephone and fax transmission charges, computer legal research costs, postage, delivery service fees, secretarial services, fees and expenses of third-party vendors; the premium, security for, and other costs associated with any bond (including supersedeas or appeal bonds, injunction bonds, cost bonds, appraisal bonds or their equivalents), in each case incurred in connection with prosecuting, defending, preparing to prosecute or defend, investigating, being or preparing to be a witness in, or otherwise participating in, a Proceeding (including, without limitation, any judicial or arbitration Proceeding brought to enforce the Indemnitee's rights under, or to recover damages for breach of, this Agreement), as well as all other "expenses" within the meaning of that term as used in Section 145 of the DGCL, any federal, state, local or foreign taxes imposed on Indemnitee as a result of the an actual or deemed receipt threatened election contest, as such terms are used in Rule 14a-12 of Regulation 14A promulgated under the Exchange Act, or as a result of any payments under this Agreement, ERISA excise taxes and penalties, and all other disbursements actual or expenses threatened solicitation of types customarily and reasonably incurred in connection with prosecuting, defending, preparing to prosecute proxies or defend, investigating, being consents by or preparing to on behalf of any person other than the Board, shall be a witness in, or otherwise participating in, actions, suits, or proceedings similar to or deemed an Incumbent Director;

(iii) the approval by the shareholders of the same type as Company of a plan of complete dissolution or liquidation of the Proceeding with respect Company; or

(iv) the consummation of a reorganization, recapitalization, merger, consolidation, statutory share exchange or similar form of corporate transaction involving the Company (a "Business Combination"), or sale, transfer or other disposition of all or substantially all of the business or assets of the Company to which an entity that is not an Affiliate of the Company (a "Sale"), unless immediately following such disbursements Business Combination or expenses were incurred. Expenses also shall include Expenses incurred in connection with any appeal Sale: (A) more than 50% of the total voting power of the entity resulting from any Proceeding.

(f) "Indemnifiable Expenses," "Indemnifiable Liabilities" and "Indemnifiable Amounts" shall have such Business Combination or the meanings ascribed to those terms in Section 2(a) below.

(g) "Indemnitee" means the director entity that acquired all or officer who is party to this Agreement, irrespective substantially all of the capacity in which the director business or officer acts.

(h) "Independent Counsel" means a law firm, or a person admitted to practice law in any State assets of the United States Company in such Sale (in either case, the "Surviving Company"), or the District ultimate parent entity that has Beneficial Ownership of Columbia, that is experienced in matters of corporation law and shall not include any law firm or person who, under the applicable standards of professional conduct then prevailing, would have a conflict of interest in representing either the Company or the Indemnitee in an action to determine the Indemnitee's rights under this Agreement.

(i) "Liabilities" shall be broadly construed to mean, without limitation, all judgments, damages, liabilities, losses, penalties, taxes, fines and amounts paid in settlement, in each case, of any type whatsoever, in connection with a Proceeding. sufficient

References hereinvoting power to "fines" shall include any excise tax assessed with respect elect a majority of the board of directors (or analogous governing body) of the Surviving Company (the "Parent Company"), is represented by the Outstanding Company Voting Securities that were outstanding immediately prior to such Business Combination or Sale (or, if applicable, is represented by shares into which the Outstanding Company Voting Securities were converted pursuant to such Business Combination or Sale), and such voting power among the holders thereof is in substantially the same proportion as the voting power of the Outstanding Company Voting Securities among the holders thereof immediately prior to the Business Combination or Sale, (B) no Person or related group of Persons (other than any employee benefit plan.

(j) "Proceeding" shall be construed broadly to mean, without limitation, any threatened, pending, completed plan sponsored or reasonably likely claim, government, regulatory and self-regulatory action, suit, arbitration, mediation, alternate dispute resolution process, investigation (including any internal investigation), inquiry, administrative hearing, appeal, or any other actual, threatened or completed proceeding, whether brought in maintained by the right of the Surviving Company or otherwise and whether of a civil (including intentional the Parent Company) is or unintentional tort claims), criminal, administrative, arbitral or investigative nature, whether formal or informal, including a proceeding initiated by becomes the Indemnitee pursuant to Section 10 of this Agreement to enforce the Indemnitee's rights hereunder.

(k) "Securities Act" means the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder.

(l) "Subsidiary" shall mean any Entity of which the Company owns (either beneficial owner, directly or indirectly) either (i) a general partner, managing member or other similar interest or (ii) (A) indirectly, of 50% or more of the total voting power of the voting capital equity interests of such Entity, or (B) 50% or more of the outstanding voting capital stock or other voting equity interests securities eligible to elect members of such Entity.

(m) References herein to a director of any other Entity shall include, in the case of any Entity that is not managed by a board of directors, such other position, such as manager or trustee or member of the governing body of such Entity, that entails responsibility for the management and direction of such Entity's affairs, including, without limitation, the general partner of any partnership (general or limited) and the manager or managing member of any limited liability company.

2. Agreement to Indemnify.

The Company agrees to indemnify the Indemnitee to the fullest extent permitted, and in the manner permitted, by applicable law as in effect as of the date hereof or as such laws may, from time to time, be amended (but only if amended in a way that broadens the right to indemnification and advancement of expenses). The rights to indemnification and advancement of expenses pursuant to this Agreement shall include, without limitation:

(a) Indemnification for Third-Party Proceedings. Subject to the exceptions contained in Section 3(a) and Section 5 below, if the Indemnitee was or is a party or was or is otherwise involved in or was or is threatened to be made a party or is otherwise involved in any capacity to any Proceeding (other than an action by or in the right of the Company) by reason of the Indemnitee's Corporate Status, the Indemnitee shall be indemnified by the Company to the fullest extent permitted by the DGCL, as the same may be amended from time to time, against all Expenses and Liabilities actually and reasonably incurred or paid by the Indemnitee or on the Indemnitee's behalf in connection with such a Proceeding (referred to herein as "Indemnifiable Expenses" and "Indemnifiable Liabilities," respectively, and collectively as "Indemnifiable Amounts"). In addition, the Indemnitee's Corporate Status may allow for indemnification under certain agreements containing indemnity provisions with another Entity or protections under the organization documents of such other Entity. In those instances, the Company shall remain wholly liable for making any indemnification payments for all Indemnifiable Amounts notwithstanding the payment obligation of such amounts by a third party to the Indemnitee; provided, however, that, if and to the extent that the Indemnitee has

otherwise actually received such payment under any insurance policy, contract, agreement, or otherwise, the Company shall not be liable under this Agreement to make any payment to the Indemnitee with respect to such Indemnifiable Amounts that have been satisfied, in each case subject to Section 2(c). Nothing hereunder is intended to affect any right of contribution of or against the Company in the event the Company and any other person or persons have co-equal obligations to indemnify (or advance expenses to) the Indemnitee, in each case subject to Section 2(c).

(b) Indemnification in Derivative Actions and Direct Actions by the Company. Subject to the exceptions contained in Section 3(b) and Section 5 below, if the Indemnitee was or is a party or was or is otherwise involved in or was or is threatened to be made a party to or was or is otherwise involved in any capacity in any Proceeding by or in the right of the Company to procure a judgment in its favor by reason of the Indemnitee's Corporate Status, the Indemnitee shall be indemnified by the Company against all Indemnifiable Expenses. In addition, the Indemnitee's Corporate Status may allow for indemnification under certain agreements containing indemnity provisions with another Entity or protections under the organization documents of such other Entity. In those instances, the Company shall remain wholly liable for making any indemnification payments for all Indemnifiable Expenses notwithstanding the payment obligation of such amounts by a third party to the Indemnitee; provided, however, that, if and to the extent that the Indemnitee has otherwise actually received such payment under any insurance policy, contract, agreement, or otherwise, the Company shall not be liable under this Agreement to make any payment to the Indemnitee with respect to such Indemnifiable Expenses that have

been satisfied, in each case subject to Section 2(c). Nothing hereunder is intended to affect any right of contribution of or against the Company in the event the Company and any other person or persons have co-equal obligations to indemnify (or advance expenses to) the Indemnitee, in each case subject to Section 2(c).

(c) **Indemnitor of First Resort.** In all events, (i) the Company hereby agrees that it is the indemnitor of first resort (*i.e.*, its obligation to the Indemnitee to provide advancement and/or indemnification to the Indemnitee is primary) and any obligation of any stockholder of the Company (including any affiliate thereof, other than the Company) to provide advancement or indemnification hereunder or under any other indemnification agreement (whether pursuant to contract, by-laws or charter), or any obligation of any insurer of any stockholder (or any affiliate thereof, other than the Company) to provide insurance coverage, for the same expenses, liabilities and losses (including reasonable and documented attorneys' fees, judgments, fines, taxes or penalties and amounts paid in settlement by or on behalf of the Indemnitee) incurred by the Indemnitee are secondary and (ii) if any stockholder (or any affiliate thereof, other than the Company) pays or causes to be paid, for any reason, any amounts otherwise indemnifiable hereunder or under any other indemnification agreement (whether pursuant to contract, by-laws or charter) with the Indemnitee, then (x) such stockholder (or such affiliate, as the case may be), shall be fully subrogated to all rights of the Indemnitee with respect to such payment and (y) the Company shall fully indemnify, reimburse and hold harmless such stockholder (or such affiliate, as the case may be) for all such payments actually made by such stockholder (or such affiliate, as the case may be).

(d) **Choice of Counsel.** If Indemnitee is a director of the Company but not an officer of the Company, he, together with the other directors of the Company who are not officers of the Company (the "Outside Directors"), shall be entitled to employ one counsel separate from that chosen by persons who are parties to similar indemnification agreements of the Company who are not Outside Directors (the "Inside Indemnitees") and the Expenses of such counsel shall, subject to the other terms and conditions of this

Agreement, be Indemnifiable Expenses. Such counsel for Outside Directors ("Principal Counsel") shall be determined by majority vote of the Outside Directors.

3. Exceptions to Indemnification.

The Indemnitee shall be entitled to indemnification under Section 2(a) and Section 2(b) above in all circumstances other than the following:

(a) **Exceptions to Indemnification for Third-Party Proceedings.** If indemnification is requested under Section 2(a) and there has been a final non-appealable judgment by a court of competent jurisdiction that, in connection with the subject of the Proceeding out of which the claim for indemnification has arisen, the Indemnitee failed to meet the standard of conduct which makes it permissible under applicable law for the Company to indemnify the Indemnitee for Indemnifiable Amounts hereunder, (i) the Indemnitee shall not be entitled to payment of Indemnifiable Liabilities hereunder and (ii) no Indemnifiable Expenses shall be paid with respect to such claim, issue or matter unless the court of competent jurisdiction in which such Proceeding was brought shall determine upon application that, despite any adjudication of liability, the Indemnitee is entitled to indemnity for such Indemnifiable Expenses which such court shall deem proper.

(b) **Exceptions to Indemnification in Derivative Actions and Direct Actions by the Company.** If indemnification is requested under Section 2(b) and there has been a final non-appealable judgment by a court of competent jurisdiction that, in connection with the subject of the Proceeding out of which the claim for indemnification has arisen, the Indemnitee failed to meet the standard of conduct which makes it permissible under applicable law for the Company to indemnify the Indemnitee for Indemnifiable Amounts hereunder, (i) the Indemnitee shall not be entitled to payment of Indemnifiable Liabilities hereunder and (ii) no Indemnifiable Expenses shall be paid with respect to such claim, issue or matter unless the court of competent jurisdiction in which such Proceeding was brought shall determine upon application that, despite any adjudication of liability, the Indemnitee is entitled to indemnity for such Indemnifiable Expenses which such court shall deem proper.

4. Procedure for Payment of Indemnifiable Amounts.

(a) Subject to Section 8, the Indemnitee shall submit to the Company a written request specifying in reasonable detail the Indemnifiable Amounts for which the Indemnitee seeks payment under Section 2, Section 5 or Section 6 of this Agreement and a short description of the basis for the claim. The Company shall pay such Indemnifiable Amounts to the Indemnitee as soon as practicable but in any event no later than thirty (30) calendar days of receipt of the request. At the request of the Company, the Indemnitee shall furnish such documentation and information as are

reasonably available to the Indemnitee and necessary to establish that the Indemnitee is entitled to indemnification hereunder. The omission by the Indemnitee to notify the Company hereunder will not relieve the Company from any liability which it may have to the Indemnitee hereunder, and any delay in so notifying the Company shall not constitute a waiver by the Indemnitee of any rights under this Agreement.

(b) Upon written request by the Indemnitee for indemnification pursuant to the first sentence of Section 4(a) hereof, if required by applicable law and to the extent not otherwise provided pursuant to the terms of this Agreement, a determination with respect to the Indemnitee's entitlement to indemnification under applicable law shall be made in the specific case as follows if there is a dispute between the Company and the Indemnitee with respect to the Indemnitee's rights to indemnification hereunder: (i) if a

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Change in Control shall have occurred and if so requested in writing by the Indemnitee, by Independent Counsel in a written opinion to the Board of Directors, a copy of which shall be delivered to the Indemnitee; or (ii) if a Change in Control shall not have occurred (or if a Change in Control shall have occurred but the Indemnitee shall not have requested that indemnification be determined by Independent Counsel as provided in subpart (i) of this Section 4(b)), (A) by a majority vote of a quorum of the Board of Directors consisting of Disinterested Directors or (B) if there is no such quorum of the Board of Directors consisting of Disinterested Directors or, if such quorum of Disinterested Directors so directs, by Independent Counsel in a written opinion to the Board of Directors, a copy of which shall be delivered to the Indemnitee. Notice in writing of any determination as to the Indemnitee's entitlement to indemnification shall be delivered to the Indemnitee promptly after such determination is made, and if such determination of entitlement to indemnification has been made by Independent Counsel in a written opinion to the Board of Directors, then such notice shall be accompanied by a copy of such written opinion. If it is determined that the Indemnitee is entitled to indemnification, then payment to the Indemnitee of all amounts to which the Indemnitee is determined to be entitled (other than sums that were already advanced) shall be made as soon as practicable but in any event no later than thirty (30) calendar days after such determination. If it is determined that the Indemnitee is not entitled to indemnification, then the written notice to the Indemnitee (or, if such determination has been made by Independent Counsel in a written opinion, the copy of such written opinion delivered to the Indemnitee) shall disclose the basis upon which such determination is based. The Indemnitee shall cooperate with the person, persons, or entity making the determination with respect to the Indemnitee's entitlement to indemnification, including providing to such person, persons, or entity upon reasonable advance request any documentation or information that is not privileged or otherwise protected from disclosure and that is reasonably available to the Indemnitee and reasonably necessary to determine whether and to what extent the Indemnitee is entitled to indemnification. Any costs or Expenses incurred by the Indemnitee in so cooperating with the person, persons, or entity making such determination shall be borne by the Company (irrespective of the determination as to the Indemnitee's entitlement to indemnification) and the Company hereby indemnifies and agrees to hold the Indemnitee harmless therefrom. The Company shall provide the Indemnitee with such information and cooperation as the Indemnitee may reasonably require, to the extent that doing so is consistent with the Company's obligation to cooperate with regulatory or law enforcement agencies.

(c) If the determination of entitlement to indemnification is to be made by Independent Counsel pursuant to Section 4(b) hereof, the Independent Counsel shall be selected as provided in this Section 4(c). If a Change in Control shall not have occurred (or if a Change in Control shall have occurred but the Indemnitee shall not have requested that indemnification be determined by Independent Counsel as provided in subpart (i) of Section 4(b)), then the Independent Counsel shall be selected by the Board of Directors, and the Company shall give written notice to the Indemnitee advising the Indemnitee of the identity of the Independent Counsel so selected. If a Change in Control shall have occurred and the Indemnitee shall have requested that indemnification be determined by Independent Counsel, then the Independent Counsel shall be selected by the Indemnitee (unless the Indemnitee shall request that such selection be made by the Board of Directors, in which event the preceding sentence shall apply), and the Indemnitee shall give written notice to the Company advising it of the identity of the Independent Counsel so selected. In either event, the Indemnitee or the Company, as the case may be, may, within ten (10) calendar days after such written notice of selection has been given, deliver to the Company or to the Indemnitee, as the case may be, a written objection to such selection; provided, however, that such objection may be asserted only on the ground that the law firm or person so selected does not meet the requirements of "Independent

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Counsel" as defined in [Section 1](#) of this Agreement, and the objection shall set forth the basis of such assertion. Absent a proper and timely objection, the person so selected shall act as Independent Counsel. If such written objection is so made and substantiated, the law firm or person so selected may not serve as Independent Counsel unless and until such objection is withdrawn or the Court of Chancery of the State of Delaware or another court of competent jurisdiction in the State of Delaware has determined that such objection is without merit. If the determination of entitlement to indemnification is to be made by Independent Counsel pursuant to [Section 4\(b\)](#) hereof and, following the expiration of thirty (30) calendar days after submission by the Indemnitee of a written request for indemnification pursuant to [Section 4\(a\)](#) hereof, Independent Counsel shall not have been selected, or an objection thereto has been made and not withdrawn, then either the Company or the Indemnitee may petition the Court of Chancery of the State of Delaware or other court of competent jurisdiction in the State of Delaware for resolution of any objection that shall have been made by the Company or the Indemnitee to the other's selection of Independent Counsel and/or for appointment as Independent Counsel of a law firm or person selected by such court (or selected by such person as the court shall designate), and the law firm or person with respect to whom all objections are so resolved or the law firm or person so appointed shall act as Independent Counsel under [Section 4\(b\)](#) hereof. Upon the due commencement of any Proceeding pursuant to [Section 10\(e\)](#) hereof, Independent Counsel shall be discharged and relieved of any further responsibility in such capacity (subject to the applicable standards of professional conduct then prevailing). If the determination of entitlement to indemnification is to be made by Independent Counsel pursuant to [Section 4\(b\)](#) hereof, then the Company agrees to pay the reasonable fees and expenses of such Independent Counsel and to fully indemnify and hold harmless such Independent Counsel against any and all expenses, claims, liabilities and damages arising out of or relating to this Agreement or its engagement pursuant hereto.

5. Indemnification for Expenses if the Indemnitee is Wholly or Partly Successful.

Notwithstanding anything contained in this Agreement to the contrary, to the extent that the Indemnitee is or was, or is or was threatened to be made, by reason of the Indemnitee's Corporate Status, a party to and is successful, on the merits or otherwise (including, without limitation, settlement of a Proceeding with or without payment of money or other consideration or the termination of any issue or matter in such Proceeding by dismissal, with or without prejudice), in defending any Proceeding or in defense of any claim, issue or matter therein, in whole or in part, the Indemnitee shall be indemnified against all Indemnifiable Expenses incurred by the Indemnitee or on the Indemnitee's behalf in connection with the defense of such Proceeding. If the Indemnitee is not wholly successful in such Proceeding but is successful on the merits or otherwise as to one or more but less than all claims, issues or matters in such Proceeding, the Company shall indemnify the Indemnitee for the portion thereof to which the Indemnitee is entitled. If the Indemnitee is not wholly successful in such Proceeding, the Company shall also indemnify, hold harmless and exonerate the Indemnitee against all Expenses reasonably incurred in connection with a claim, issue or matter related to any claim, issue, or matter on which the Indemnitee was successful. For purposes of this Agreement, the termination of any claim, issue or matter in such a Proceeding by dismissal, with or without prejudice, shall be deemed to be a successful result as to such claim, issue or matter. Notwithstanding any of the foregoing, nothing herein shall be construed to limit the Indemnitee's right to indemnification which he or she would otherwise be entitled to pursuant to [Section 2](#) and [Section 3](#) hereof, regardless of the Indemnitee's success in a Proceeding.

6. Indemnification for Expenses as a Witness.

Anything in this Agreement to the contrary notwithstanding, to the fullest extent permitted by applicable law, to the extent that the Indemnitee, by reason of the Indemnitee's Corporate Status, is or was, or is or was threatened to be made, a witness or is otherwise asked to participate in any Proceeding to which the Indemnitee is not a party, the Indemnitee shall be indemnified against all Indemnifiable Expenses incurred by the Indemnitee or on the Indemnitee's behalf in connection therewith (including, for the avoidance of doubt, discovery expenses relating to locating and producing data or information that may be in the possession of the Indemnitee, participating in depositions or responding to interrogatories). To the extent permitted by applicable law, the Indemnitee shall be entitled to indemnification for Expenses incurred in connection with being or threatened to be made a witness, as provided in this [Section 6](#), regardless of whether the Indemnitee failed to meet the standard of conduct which makes it permissible under applicable law for the Company to indemnify the Indemnitee for Indemnifiable Amounts hereunder.

7. Agreement to Advance Expenses; Conditions.

The Company shall pay to the Indemnitee all Indemnifiable Expenses as and when incurred by or on behalf of the Indemnitee in connection with any Proceeding to which the Indemnitee was or is a party or was or is otherwise involved or was or is threatened to be made a party to or was or is otherwise involved in any capacity in any Proceeding by reason of the Indemnitee's Corporate Status, including a Proceeding by or in the right of the Company, in advance of the final disposition of such Proceeding. The Indemnitee hereby undertakes to repay the amount of Indemnifiable Expenses paid to the Indemnitee if it shall ultimately be determined by final judicial decision of a court of competent jurisdiction, from which decision there is no further right to appeal, that the Indemnitee is not entitled under this Agreement to, or is prohibited by applicable law from, indemnification with respect to such Indemnifiable Expenses. No other form of undertaking shall be required other than the execution of this Agreement. Any advances and undertakings to repay pursuant to this Section 7 shall be unsecured and interest free. The Indemnitee shall be entitled to advancement of Indemnifiable Expenses as provided in this Section 7 without regard to the Indemnitee's ability to repay the Expenses and regardless of any determination by or on behalf of the Company that the Indemnitee failed to meet the standard of conduct which makes it permissible under applicable law for the Company to indemnify the Indemnitee for Indemnifiable Amounts hereunder. The parties agree that for the purposes of any advancement of Expenses for which the Indemnitee has made written demand to the Company in accordance with this Agreement, all Expenses included in such demand that are certified by written affidavit of the Indemnitee's outside counsel as being reasonable shall be presumed conclusively to be reasonable.

8. Procedure for Advance Payment of Expenses.

The Indemnitee shall submit to the Company a written request specifying in reasonable detail the Indemnifiable Expenses for which the Indemnitee seeks an advancement under Section 7 of this Agreement, together with documentation reasonably evidencing that the Indemnitee has incurred such Indemnifiable Expenses. Payment of Indemnifiable Expenses under Section 7 shall be made no later than ten (10) calendar days after the Company's receipt of such request.

9. Burden of Proof; Defenses; and Presumptions.

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(a) In any Proceeding pursuant to Section 10 hereof brought by the Indemnitee to enforce rights to indemnification or to an advancement of Indemnifiable Expenses hereunder, or in any Proceeding brought by the Company to recover an advancement of Indemnifiable Expenses (whether pursuant to the terms of an undertaking or otherwise), the burden shall be on the Company to prove that the Indemnitee is not entitled to be indemnified, or to such an advancement of Indemnifiable Expenses, as the case may be.

(b) It shall be a defense in any Proceeding pursuant to Section 10 hereof to enforce rights to indemnification under Section 2(a) or Section 2(b) hereof (but not in any Proceeding pursuant to Section 10 hereof to enforce a right to an advancement of Indemnifiable Expenses under Section 7 and Section 8 hereof) that the Indemnitee has not met the standard of conduct which makes it permissible under applicable law for the Company to indemnify the Indemnitee for Indemnifiable Amounts hereunder, as the case may be, but the burden of proving such defense shall be on the Company. With respect to any Proceeding pursuant to Section 10 hereof brought by the Indemnitee to enforce a right to indemnification hereunder, or any Proceeding brought by the Company to recover an advancement of Indemnifiable Expenses (whether pursuant to the terms of an undertaking or otherwise), neither (i) the failure of the Company (including by its directors or independent legal counsel) to have made a determination prior to the commencement of such Proceeding that indemnification is proper in the circumstances because the Indemnitee has met the applicable standards of conduct, nor (ii) an actual determination by the Company (including by its directors or independent legal counsel) that the Indemnitee has not met such applicable standards of conduct, shall create a presumption that the Indemnitee has not met the applicable standards of conduct or, in the case of a Proceeding pursuant to Section 10 hereof brought by the Indemnitee seeking to enforce a right to indemnification, be a defense to such Proceeding.

(c) The termination of any Proceeding by judgment, order, conviction, or upon a plea of *nolo contendere* or its equivalent, shall not, in and of itself, adversely affect the right of the Indemnitee to indemnification hereunder or create a presumption that the Indemnitee did not act in good faith and in a manner the Indemnitee reasonably believed to be in or not opposed to the best interests of the Company, and, with respect to any criminal Proceeding, shall not create a presumption that the Indemnitee had reasonable cause to believe that his or her conduct was unlawful.

(d) For purposes of any determination of good faith, the Indemnitee shall be deemed to have acted in good faith if the Indemnitee's action is reasonably based on the records or books of account of the Company or other Entity, including financial statements, or on information supplied to the Indemnitee by the officers of the Company or other Entity in the course of their duties, or on the advice of legal counsel for the Company or other Entity or on information or records given or reports made to the Company or other Entity by an independent certified public accountant or by an appraiser or other expert selected by the Company or other Entity. The provisions of this Section 9(d) shall not be deemed to be exclusive or to limit in any way the other circumstances in which the Indemnitee may be deemed or found to have met the applicable standard of conduct set forth in this Agreement.

(e) The knowledge and/or actions, or failure to act, of any other director, officer, agent or employee of the Company or of another Entity shall not be imputed to the Indemnitee for purposes of determining the Indemnitee's right to indemnification or advancement of Indemnifiable Expenses under this Agreement.

10. Remedies of the Indemnitees.

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(a) Right to Petition Court. In the event that the Indemnitee makes a request for payment of Indemnifiable Amounts under Section 2 or Section 4 herein or a request for an advancement of Indemnifiable Expenses under Section 7 or Section 8 herein and the Company fails to make such payment or advancement in a timely manner pursuant to the terms of this Agreement, the Indemnitee may petition a court to enforce the Company's obligations under this Agreement.

(b) Expenses. The Company agrees to reimburse the Indemnitee in full for any Expenses actually and reasonably incurred by the Indemnitee in connection with investigating, preparing for, litigating, defending or settling any action brought by the Indemnitee under Section 10(a) above within thirty (30) calendar days of receipt of a written request specifying in reasonable detail the amount and nature of such Expenses; provided, however, that to the extent the Indemnitee is unsuccessful on the merits in such action then the Company shall have no obligation to reimburse the Indemnitee under this Section 10(b).

(c) Validity of Agreement. The Company shall be precluded from asserting in any Proceeding, including, without limitation, an action under Section 10(a) above, that the provisions of this Agreement are not valid, binding and enforceable or that there is insufficient consideration for this Agreement and shall stipulate in court that the Company is bound by all the provisions of this Agreement.

(d) Failure to Act or Adverse Determination Not a Defense. The failure of the Company (including its Board of Directors or any committee thereof, independent legal counsel or stockholders) to make a determination concerning the permissibility of the payment of Indemnifiable Amounts or the advancement of Indemnifiable Expenses under this Agreement or any adverse determination by the Company (including its Board of Directors or any committee thereof, independent legal counsel or stockholders) concerning the permissibility of the payment of Indemnifiable Amounts or the advancement of Indemnifiable Expenses under this Agreement shall not be a defense in any action brought under Section 10(a) above, and shall not create a presumption that such payment or advancement is not permissible.

(e) Entitlement to Indemnification; Independent Counsel. In the event that (i) a determination is made pursuant to Section 4 of this Agreement that the Indemnitee is not entitled to indemnification under this Agreement, (ii) if the determination of entitlement to indemnification is not to be made by Independent Counsel pursuant to Section 4(b) hereof, no determination of entitlement to indemnification shall have been made pursuant to Section 4(b) of this Agreement within thirty (30) calendar days after receipt by the Company of the Indemnitee's written request for indemnification, (iii) if the determination of entitlement to indemnification is to be made by Independent Counsel pursuant to Section 4(b) hereof, no determination of entitlement to indemnification shall have been made pursuant to Section 4(b) hereof within thirty (30) calendar days after receipt by the Company of the Indemnitee's written request for indemnification, unless an objection to the selection of such Independent Counsel has been made and substantiated and not withdrawn, in which case the applicable time period shall be thirty (30) calendar days after the Court of Chancery of the State of Delaware or another court of competent jurisdiction in the State of Delaware (or such person appointed by such court to make such determination) has determined or appointed the person to act as Independent Counsel pursuant to Section 4(b) hereof, (iv) payment of indemnification is not made pursuant to Section 5 or Section 6 of this Agreement within thirty (30) calendar days after receipt by the Company of a written request therefor or (v) payment of indemnification pursuant to Section 5 or Section 6 of this Agreement is not made within thirty (30) calendar days after a determination has been made pursuant to Section 4(b) that the

Indemnitee is entitled to indemnification, then the Indemnitee shall be entitled to seek an adjudication by the Court of Chancery of the State of Delaware of the Indemnitee's entitlement to such indemnification or advancement of Indemnifiable Expenses.

(f) **Not Prejudiced by Adverse Determination.** In the event that a determination shall have been made pursuant to Section 4(b) of this Agreement that the Indemnitee is not entitled to indemnification, any Proceeding commenced pursuant to this Section 10 shall be conducted in all respects as a *de novo* trial, or arbitration, on the merits and the Indemnitee shall not be prejudiced by reason of that adverse determination.

11. Settlement of Proceedings.

(a) The Indemnitee agrees that it will not settle, compromise or consent to the entry of any judgment or judicial award as to the Indemnitee in any pending or threatened Proceeding (whether or not the Indemnitee is an actual or potential party to such Proceeding) in which Indemnitee has sought indemnification hereunder without the Company's prior written consent, which consent will not be unreasonably withheld, conditioned or delayed; provided, however, that such Company consent shall not be required if (i) the Company was given a reasonable and timely opportunity, at its expense, to participate in the defense of such Proceeding and (ii) such settlement, compromise or consent respecting such Proceeding includes an unconditional release of the Indemnitee and does not (A) require or impose any injunctive or other non-monetary remedy on the Company or its affiliates, (B) require or impose an admission or consent as to any wrongdoing by the Company or its affiliates or (C) otherwise result in a direct or indirect payment by or monetary cost to the Company or its affiliates.

(b) The Company agrees that it will not settle, compromise or consent to the entry of any judgment as to the Indemnitee in any pending or threatened Proceeding (whether or not the Indemnitee is an actual or potential party to such Proceeding) in which the Indemnitee has sought indemnification hereunder without the Indemnitee's prior written consent, which consent shall not be unreasonably withheld, conditioned or delayed; provided, however, that such Indemnitee's consent shall not be required if (i) the Indemnitee was given a reasonable and timely opportunity, at its expense, to participate in the defense of such Proceeding and (ii) such settlement, compromise or consent includes an unconditional release of the Indemnitee and does not (A) require or impose any injunctive or other non-monetary remedy on the Indemnitee, (B) require or impose an admission or consent as to any wrongdoing by the Indemnitee or (C) otherwise result in a direct or indirect payment by or monetary cost to the Indemnitee personally (as opposed to a payment to be made or cost to be paid by the Company on the Indemnitee's behalf).

12. Notice by the Indemnitee.

The Indemnitee agrees to notify the Company promptly upon being served with any summons, citation, subpoena, complaint, indictment, information or other document relating to any Proceeding which could reasonably be expected to result in the payment of Indemnifiable Amounts or the advancement of Indemnifiable Expenses hereunder; provided, however, that the failure to give any such notice shall not disqualify the Indemnitee from the right to receive payments of Indemnifiable Amounts or advancements of Indemnifiable Expenses.

13. Representations and Warranties of the Company.

The Company hereby represents and warrants to the Indemnitee as follows:

(a) **Authority.** The Company has all necessary power and authority to enter into, and be bound by the terms of, this Agreement, and the execution, delivery and performance of the undertakings contemplated by this Agreement have been duly authorized by the Company.

(b) **Enforceability.** This Agreement, when executed and delivered by the Company in accordance with the provisions hereof, shall be a legal, valid and binding obligation of the Company, enforceable against the Company in accordance with its terms, except as such enforceability may be limited by equitable principles and applicable bankruptcy, insolvency, moratorium, reorganization or similar laws affecting the enforcement of creditors' rights generally.

(c) **No Conflicts.** This Agreement, when executed and delivered by the Company in accordance with the provisions hereof, does not, and the Company's performance of its obligations under this Agreement will not, violate the Company's certificate of incorporation, bylaws, other agreements to which the Company is a party to or applicable law.

(d) **Insurance.** The Company shall use its reasonable best efforts to purchase and maintain a policy or policies of insurance ("D&O Insurance") with reputable insurance companies with A.M. Best ratings of "A" or better, providing the Indemnitee with coverage for any liability asserted against, or incurred by, the Indemnitee or on the Indemnitee's behalf by reason of the fact that the Indemnitee is or was or has agreed to serve as a director, officer, employee or agent of the Company, or while serving as a director or officer of the Company, is or was serving or has agreed to serve on behalf of or at the request of the Company as a director, officer, employee or agent (which, for purposes hereof, shall include a trustee, fiduciary, partner or manager or similar capacity) of another corporation, limited liability company, partnership, joint venture, trust, employee benefit plan or other enterprise, or arising out of the Indemnitee's status as such, whether or not the Company would have the power to indemnify the Indemnitee against such liability under the provisions of this Agreement. Such D&O Insurance shall have coverage terms and policy limits at least as favorable to the Indemnitee as the insurance coverage provided to any other outside director (if the Indemnitee is an outside director) or officer (if the Indemnitee is an officer) of the Company. If the Company has such insurance in effect at the time the Company receives from the Indemnitee any notice of the commencement of an action, suit or proceeding, the Company shall give prompt notice of the commencement of such action, suit or proceeding to the insurers in accordance with the procedures set forth in the D&O Insurance. The Company shall thereafter take all necessary or desirable action to cause such insurers to pay, on behalf of the Indemnitee, all amounts payable as a result of such proceeding in accordance with the terms of such D&O Insurance. If at any date (i) such insurance ceases to cover acts and omissions occurring during all or any part of the period of the Indemnitee's status as a director or officer; or (ii) neither the Company nor any of its Subsidiaries maintains any such insurance, the Company shall ensure that the Indemnitee is covered, with respect to acts and omissions prior to such date, for at least six years from such date, by other directors and officers liability insurance, in amounts and on terms no less favorable to the Indemnitee than the amounts and terms of the liability insurance maintained by the Company on the date hereof.

14. Contract Rights Not Exclusive; Subrogation.

The rights to payment of Indemnifiable Amounts and advancement of Indemnifiable Expenses provided by this Agreement shall be in addition to, but not exclusive of and shall not in any way limit, any other rights that the Indemnitee may have

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at any time under applicable law, the Company's bylaws or certificate of incorporation, or any other agreement, vote of stockholders or directors (or a committee of directors), or otherwise, both as to action in the Indemnitee's official capacity and as to action in any other capacity as a result of the Indemnitee's serving in a Corporate Status. No right or remedy herein conferred is intended to be exclusive of any other right or remedy, and every other right and remedy shall be cumulative and in addition to every other right and remedy, given hereunder or now or hereafter existing at law or in equity or otherwise. The assertion or employment of any right or remedy hereunder, or otherwise, shall not prevent the concurrent assertion or employment of any other right or remedy. Subject to Section 2(c), in the event of any payment to or on behalf of the Indemnitee under this Agreement, the Company shall be subrogated to the extent of such payment to all of the rights of recovery of the Indemnitee, who shall execute all papers required and take all action necessary to secure such rights, including execution of such documents as are necessary to enable the Company to bring suit to enforce such rights.

15. Successors.

This Agreement shall be (a) binding upon all successors and assigns of the Company (including any transferee of all or a substantial portion of the business, stock and/or assets of the Company and any direct or indirect successor by merger or consolidation or otherwise by operation of law) and (b) binding on and shall inure to the benefit of the heirs, personal representatives, executors and administrators of the Indemnitee. This Agreement shall continue for the benefit of the Indemnitee and such heirs, personal representatives, executors and administrators after the

Indemnitee has ceased to have Corporate Status. The Company shall require and cause any successor(s) (including any transferee of all or a substantial portion of the business, stock and/or assets of the Company and any direct or indirect successor by merger or consolidation or otherwise by operation of law), by written agreement in form and substance reasonably satisfactory to the Indemnitee and his or her counsel, expressly to assume and agree to perform this Agreement in the same manner and to the same extent that the Company would be required to perform if no such succession had taken place; provided that no such assumption shall relieve the Company from its obligations hereunder and any obligations shall thereafter be joint and several.

16. Change in Law.

To the extent that a change in Delaware law (whether by statute or judicial decision) shall permit broader indemnification or advancement of expenses than is provided under the terms of the bylaws of the Company and this Agreement, the Indemnitee shall be entitled to such broader indemnification and advancements, and this Agreement shall be deemed to be amended to such extent, but only to the extent such amendment permits the Indemnitee to broader indemnification and advancement rights other than Delaware law permitted prior to the adoption of such amendment.

17. Severability.

Whenever possible, each provision of this Agreement shall be interpreted in such a manner as to be effective and valid under applicable law, but if any provision of this Agreement, or any clause thereof, shall be determined by a court of competent jurisdiction to be illegal, invalid or unenforceable, in whole or in part, such provision or clause shall be limited or modified in its application to the minimum extent necessary to make such provision or clause valid, legal and enforceable, and the remaining provisions and clauses of this Agreement shall remain fully enforceable and binding on the parties.

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18. Modifications and Waiver.

Except as provided in Section 16 above with respect to changes in Delaware law which broaden the right of the Indemnitee to be indemnified by the Company, no supplement, modification or amendment of this Agreement shall be binding unless executed in writing by each of the parties hereto. No waiver of any of the provisions of this Agreement shall be deemed or shall constitute a waiver of any other provisions of this Agreement (whether or not similar), nor shall such waiver constitute a continuing waiver. In the event the Company or any of its subsidiaries enters into an indemnification agreement with another director or officer of the Company or any of its subsidiaries with respect to the subject matter hereof containing a term or terms more favorable to the indemnitee thereunder than the terms contained herein, the Indemnitee shall be afforded the benefit of such more favorable term or terms and such more favorable term or terms shall be deemed incorporated by reference herein as if set forth in full herein. As promptly as practicable following the execution by the Company or the relevant subsidiary of any such indemnification agreement with any such other director or officer (i) the Company shall send a copy of the indemnification agreement to the Indemnitee, and (ii) if requested by the Indemnitee, the Company shall prepare, execute and deliver to the Indemnitee an amendment to this Agreement containing such more favorable term or terms.

19. General Notices.

All notices, requests, demands and other communications hereunder shall be in writing and shall be deemed to have been duly given (a) when delivered by hand, (b) when transmitted by facsimile and receipt is acknowledged, or (c) if mailed by certified or registered mail with postage prepaid, on the third business day after the date on which it is so mailed

(a) If to the Indemnitee, to:

[REDACTED]
6555 Sierra Drive
Irving, Texas 75039

(b) If to the Company, to:

Vistra Corp.
Attn: Corporate Secretary
6555 Sierra Drive
Irving, Texas 75039

or to such other address as may have been furnished in the same manner by any party to the others.

20. Contribution.

To the fullest extent permissible under applicable law, if the indemnification provided for in this Agreement is unavailable to the Indemnitee for any reason whatsoever, the Company, in lieu of indemnifying the Indemnitee, shall contribute to the amount incurred by the Indemnitee, whether for judgments, fines, penalties, excise taxes, amounts paid or to be paid in settlement and/or for Expenses, in connection with any claim relating to an indemnifiable event under this Agreement, in such proportion as is deemed fair and reasonable in light of all of the circumstances of such Proceeding in

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order to reflect (i) the relative benefits received by the Company and the Indemnitee as a result of the event(s) and/or transaction(s) giving cause to such Proceeding; and/or (ii) the relative fault of the Company (and its directors, officers, employees and agents) and the Indemnitee in connection with such event(s) and/or transaction(s).

21. Specific Performance.

The parties recognize that if any provision of this Agreement is violated by the parties hereto, the Indemnitee may be without an adequate remedy at law. Accordingly, in the event of any such violation, the Indemnitee shall be entitled, if the Indemnitee so elects, to institute proceedings, to enforce specific performance, to enjoin such violation, or to obtain any relief as the Indemnitee may elect to pursue.

22. Third-Party Beneficiaries.

Nothing herein expressed or implied is intended or shall be construed to confer upon or give to any person or entity, other than the parties hereto and their permitted successors and assigns, any rights or remedies under or by reason of this Agreement.

23. Governing Law.

This Agreement shall be exclusively governed by and construed and enforced under the laws of the State of Delaware without giving effect to the provisions thereof relating to conflicts of law of such state.

24. Consent to Jurisdiction.

(a) Each of the Company and the Indemnitee hereby irrevocably and unconditionally (i) agrees and consents to the jurisdiction of the courts of the State of Delaware for all purposes in connection with any action, suit or proceeding that arises out of or relates to this Agreement and agrees that any such action instituted under this Agreement shall be brought only in the Court of Chancery of the State of Delaware (or in any other state court of the State of Delaware if the Court of Chancery does not have subject matter jurisdiction over such action), and not in any other state or federal court in the United States of America or any court or tribunal in any other country; (ii) consents to submit to the exclusive jurisdiction of the courts of the State of Delaware for purposes of any action or proceeding arising out of or in connection with this Agreement; (iii) waives any objection to the laying of venue of any such action or proceeding in the courts of the State of Delaware; and (iv) waives, and agrees not to plead or to make, any claim that any such action or proceeding brought in the courts of the State of Delaware has been brought in an improper or otherwise inconvenient forum.

(b) Each of the Company and the Indemnitee hereby consents to service of any summons and complaint and any other process that may be served in any action, suit or proceeding arising out of or relating to this Agreement in any court of the State of Delaware by mailing by certified or registered mail, with postage prepaid, copies of such process to such party at its address for receiving notice pursuant to Section 19 hereof. Nothing herein shall preclude service of process by any other means permitted by applicable law.

25. Counterparts.

This Agreement may be executed in one or more counterparts (including by PDF or facsimile), each of which shall for all purposes be deemed to be an original but all of

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which together shall constitute but one and the same Agreement. Only one such counterpart need be produced to evidence the existence of this Agreement.

26. Headings.

The headings of the Sections of this Agreement are inserted for convenience only and shall not be deemed to constitute part of this Agreement or to affect the construction hereof.

27. Entire Agreement; Conflicts; No Employment Contract.

(a) This Agreement constitutes the entire agreement between the parties with respect to the subject matter hereof and supersedes all prior and contemporaneous agreements, understandings and negotiations, written and oral, between the parties with respect to the subject matter of this Agreement; provided, however, that this Agreement is supplement to and in furtherance of the Company's certificate of incorporation, bylaws, the DGCL and any other applicable law, in each case, as amended, restated, supplemented or modified from time to time, and shall not be deemed a substitute therefor, and does not diminish or abrogate any rights of the Indemnitee thereunder. Notwithstanding anything to the contrary set forth in this Agreement, in the event of any conflict between the provisions of this Agreement and the provisions of the Company's certificate of incorporation or bylaws (in each case, as amended, restated, supplemented or modified from time to time), the provisions of the Company's certificate of incorporation or bylaws (in each case, as amended, restated, supplemented or modified from time to time) shall govern.

(b) This Agreement shall not be deemed an employment contract between the Company and any Indemnitee who is an officer of the Company, and, if the Indemnitee is an officer of the Company, the Indemnitee specifically acknowledges that the Indemnitee may be discharged at any time for any reason, with or without cause, and with or without severance compensation, except as may be otherwise provided in any separate written contract(s) between the Indemnitee and the Company.

[remainder of this page intentionally left blank]

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IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

COMPANY:

VISTRA CORP.

By:

Name:

Title:

INDEMNITEE:

By:

Name:

Title:

[Signature Page to Indemnification Agreement]

EXHIBIT 10.72

FOURTH AMENDMENT TO CREDIT AGREEMENT

This FOURTH AMENDMENT TO CREDIT AGREEMENT, dated as of October 5, 2022 (including the annexes, schedules, exhibits and other attachments hereto, this “Fourth Amendment”), by and among Vistra Operations Company LLC, a Delaware limited liability company (the “Borrower”), Vistra Intermediate Company LLC, a Delaware limited liability company (“Holdings”), the other Credit Parties (as defined in the Credit Agreement referred to below) party hereto, the financial institutions providing 2022-D New Revolving Credit Commitments (as defined below) (each, a “2022-D New Revolving Loan Lender”), the Lenders party hereto and Citibank, N.A., as Administrative Agent and as Collateral Agent. Capitalized terms used but not defined herein shall have the respective meanings assigned to such terms in the Credit Agreement (as defined below) as modified hereby.

RECITALS:

WHEREAS, reference is hereby made to the Credit Agreement, dated as of February 4, 2022 (as amended by the First Amendment to Credit Agreement, dated as of May 5, 2022 (the “First Amendment”), as further amended by the Second Amendment to Credit Agreement, dated as of May 26, 2022 (the “Second Amendment”), as further amended by the Third Amendment to Credit Agreement, dated as of June 8, 2022 (the “Third Amendment”), and as further amended, restated, amended and restated, supplemented and/or otherwise modified from time to time prior to the Fourth Amendment Effective Date referred to below, the “Credit Agreement”), among Holdings, the Borrower, the Lenders party thereto, the Administrative Agent, the Collateral Agent and the other parties named therein;

WHEREAS, the Borrower intends to amend the Credit Agreement to, among other things, extend the Revolving Credit Maturity Date, modify certain pricing provisions, adjust certain borrowing and repayment provisions, modify the financial covenant and certain provisions related to the Collateral, change the manner in which the Borrowing Base is calculated, effect the 2022 Revolving Credit Commitment Reduction (as defined below) and establish additional Revolving Credit Commitments (which establishment was approved by the Required Lenders in the First Amendment) by, among other things, entering into this Fourth Amendment with the Lenders party hereto, the Administrative Agent and the 2022-D New Revolving Loan Lenders as set forth herein, subject to the terms and conditions hereof and the Credit Agreement (as modified hereby);

WHEREAS, pursuant to Section 13.1 of the Credit Agreement, the Borrower and Lenders party hereto hereby agree to amend certain provisions of the Credit Agreement as set forth herein, in each case, subject to the terms and conditions hereof and the Credit Agreement (as modified hereby);

NOW, THEREFORE, in consideration of the premises and agreements, provisions and covenants herein contained, the parties hereto agree as follows:

A. Amendments to Credit Agreement

1. Amendments to the Credit Agreement. Effective as of the Fourth Amendment Effective Date, and subject to the terms and conditions set forth herein, the Credit Agreement is hereby amended to incorporate the changes reflected in the redlined version of the Credit Agreement attached hereto as Exhibit A.

2. 2022 Revolving Credit Commitment Reduction. Notwithstanding anything to the contrary in the Credit Agreement, each Revolving Credit Lender with a Revolving Credit Commitment immediately prior to giving effect to this Fourth Amendment on the Fourth Amendment Effective Date agrees that (a) the Revolving Credit Commitments of certain of such Revolving Credit Lenders shall be decreased to the amount set forth in Section B.5 below and (b) the Revolving Credit Commitments of Natixis, New York Branch shall be terminated in full (clauses (a) and (b), together, the “2022 Revolving Credit Commitment Reduction”) and

each Lender party hereto and the Borrower consents to the 2022 Revolving Credit Commitment Reduction. The Borrower and the Administrative Agent, as the case may be, shall be permitted to take all actions that are, in their reasonable discretion, necessary or advisable to

consummate the transactions contemplated by this Fourth Amendment (including any prepayments and reborrowings (or deemed prepayments and reborrowings) of Revolving Credit Loans requested by the Administrative Agent after giving effect to the 2022 Revolving Credit Commitment Reduction).

B. Special Provisions Applicable to Revolving Credit Commitments.

1. Each 2022-D New Revolving Loan Lender acknowledges and agrees that upon its execution of this Fourth Amendment and the provision of its 2022-D New Revolving Credit Commitment that such 2022-D New Revolving Loan Lender shall be (or become) a "Revolving Credit Lender" and a "Lender" with respect to 2022-D New Revolving Credit Commitments (as defined below) under, and for all purposes of, the Credit Agreement and the other Credit Documents (in each case, as modified hereby), and shall be subject to and bound by the terms thereof, and shall perform all the obligations of and shall have all rights of a Revolving Credit Lender and a Lender thereunder.

2. Each 2022-D New Revolving Loan Lender hereby agrees to provide additional Revolving Credit Commitments (and make Revolving Credit Loans) in the aggregate principal amount set forth opposite such 2022-D New Revolving Loan Lender's name on Schedule I annexed hereto (such additional Revolving Credit Commitments, the "2022-D New Revolving Credit Commitments"), on the terms and subject to the conditions set forth below and in the Credit Agreement (as modified hereby) (the "2022-D Revolving Commitment Increase"), which shall constitute an increase to the existing Revolving Credit Commitments. The 2022-D New Revolving Credit Commitments shall (i) become a part of the existing class of Revolving Credit Commitments for all purposes of the Credit Agreement and the other Credit Documents (in each case, as modified hereby) and (ii) together with all related Revolving Credit Exposure, be subject to the same prepayment provisions, Revolving Credit Termination Date and other terms and conditions applicable to the existing Revolving Credit Commitments and Revolving Credit Loans under the Credit Agreement and the other Credit Documents (in each case, as modified hereby).

3. Each 2022-D New Revolving Loan Lender (i) confirms that it has received a copy of the Credit Agreement and the other Credit Documents and the schedules and exhibits thereto (in each case, as modified hereby), together with copies of the financial statements referred to therein and such other documents and information as it has deemed appropriate to make its own credit analysis and decision to enter into this Fourth Amendment; (ii) agrees that it will, independently and without reliance upon any Agent or any other Lender and based on such documents and information as it shall deem appropriate at the time, continue to make its own credit decisions in taking or not taking action under the Credit Agreement (as modified hereby); (iii) appoints and authorizes each Agent to take such action as agent on its behalf and to exercise such powers under the Credit Agreement and the other Credit Documents (in each case, as modified hereby) as are delegated to such Agent by the terms thereof, together with such powers as are reasonably incidental thereto; and (iv) agrees that it will perform in accordance with their terms all of the obligations which by the terms of the Credit Agreement (as modified hereby) are required to be performed by it as a Revolving Credit Lender.

4. The parties hereto hereby agree that, on the Fourth Amendment Effective Date, (i) the Total Revolving Credit Commitment shall increase by the aggregate amount of the 2022-D New Revolving Credit Commitments of the 2022-D New Revolving Loan Lenders provided hereunder and (ii) the Borrower and the Administrative Agent, as the case may be, shall be permitted to take all actions that are, in their reasonable discretion, necessary or advisable to consummate the transactions contemplated by this Fourth Amendment (including any prepayments and reborrowings (or deemed prepayments and reborrowings) of Revolving Credit Loans requested by the Administrative Agent after giving effect to the 2022-D Revolving Commitment Increase). For the avoidance of doubt, each of the Revolving Credit Lenders with an existing Revolving Credit Commitment on the Fourth Amendment Effective Date prior to giving effect to this Fourth Amendment shall automatically and without further act be deemed to have assigned to each 2022-D New Revolving Loan Lender with a 2022-D New Revolving Credit Commitment, and each of such 2022-D New Revolving Loan Lenders shall automatically and without further act be deemed to have purchased and assumed, at the principal amount thereof, such interests in the Revolving Credit Loans on the Fourth Amendment Effective Date as shall be necessary in order that, after giving effect to all such assignments and assumptions, the Revolving Credit Loans will be held by all Revolving Credit Lenders (including the 2022-D New Revolving Loan Lenders) ratably in accordance with their respective Revolving Credit Commitments after giving effect to the 2022-D Revolving

Commitment Increase (and the Administrative Agent and the Lenders party hereto hereby agree that the minimum borrowing, *pro rata* borrowing and *pro rata* payment requirements contained in the Credit Agreement shall not apply to the transactions effected pursuant to this Section B.4.

5. Substantially simultaneously with the effectiveness of the 2022-D New Revolving Credit Commitments and, for the avoidance of doubt, after giving effect to the 2022 Revolving Credit Commitment Reduction, Schedule 1.1(a) to the Credit Agreement shall be amended and restated in its entirety as follows:

Revolving Credit Commitments

Revolving Credit Lender	Revolving Credit Commitment
Citibank, N.A.	\$100,000,000
Bank of America, N.A.	\$25,000,000
Bank of Montreal, Chicago Branch	\$100,000,000
Barclays Bank PLC	\$100,000,000
BNP Paribas	\$100,000,000
Credit Agricole Corporate and Investment Bank	\$100,000,000
Credit Suisse AG, New York Branch	\$100,000,000
Goldman Sachs Bank USA	\$100,000,000
JPMorgan Chase Bank, N.A.	\$100,000,000
Mizuho Bank, Ltd.	\$100,000,000
Morgan Stanley Senior Funding, Inc.	\$60,000,000
Morgan Stanley Bank, N.A.	\$40,000,000
MUFG Bank, Ltd.	\$25,000,000
Royal Bank of Canada	\$100,000,000
Truist Bank	\$100,000,000
TOTAL:	\$1,250,000,000

C. Conditions Precedent. This Fourth Amendment shall become effective as of the first date (the "Fourth Amendment Effective Date") when each of the conditions set forth in this Section C shall have been satisfied:

1. The Administrative Agent shall have received duly executed counterparts hereof that, when taken together, bear the signatures of (a) the Borrower, (b) each of the other Credit Parties, (c) the Administrative Agent and the Collateral Agent and (d) each Lender (including each 2022-D New Revolving Loan Lender).

2. The Administrative Agent shall have received a customary legal opinion of (a) Sidley Austin LLP, counsel to the Credit Parties and (b) Yuki Whitmire, Associate General Counsel of Vistra Energy Corp., in each case, addressed to the Administrative Agent, the Collateral Agent and each Revolving Credit Lender party to the Credit Agreement (as modified hereby) as of the Fourth

Amendment Effective Date, in each case, dated as of the Fourth Amendment Effective Date and in form and substance reasonably satisfactory to the Administrative Agent.

3. The Administrative Agent shall have received (w) a certificate from the Chief Financial Officer or Senior Vice President and Treasurer of the Borrower, dated the Fourth Amendment Effective Date, substantially in the form of the certificate provided pursuant to Section 6.9 of the Credit Agreement (with appropriate adjustments to reflect the 2022-D Revolving Commitment Increase) and certifying that, immediately after giving effect to this Fourth Amendment and the 2022-D Revolving Commitment Increase and the other transactions contemplated hereby, the Borrower and its Subsidiaries, on a consolidated basis, are Solvent, (x) a certificate of good standing (or subsistence) with respect to each Credit Party from the Secretary of State (or similar official) of the State of such Credit Party's organization, (y) a closing certificate executed by an Authorized Officer of the Borrower, dated the Fourth Amendment Effective Date, certifying as to the accuracy (with respect to clauses (a), (b) and (c) of Section D.2 of this Fourth Amendment, in all material respects) of the matters set forth in Section D.2 of this Fourth Amendment and (z) a certificate executed by an Authorized Officer of the Borrower, dated the Fourth Amendment Effective Date, certifying as to the incumbency and specimen signature of each officer of a Credit Party executing this Fourth Amendment or any other document delivered in connection herewith on behalf of any Credit Party and attaching (A) a true and complete copy of the certificate of incorporation (or other applicable charter document) of each Credit Party, including all amendments thereto, as in effect on the Fourth Amendment Effective Date, certified as of a recent date by the Secretary of State (or analogous official) of the jurisdiction of its organization, that has not been amended since the date of the last amendment thereto shown on the certificate of good standing furnished pursuant to clause (x) above, (B) a true and complete copy of the by-laws (or other applicable operating agreements) of each Credit Party as in effect on the Fourth Amendment Effective Date and (C) a true and complete copy of resolutions duly adopted or written consents duly executed by the board of directors (or equivalent the analogous governing body or any committee thereof) of each Credit Party authorizing the execution, delivery and performance of this Fourth Amendment, the performance body of the Credit Agreement Parent Company (or, if there is no Parent Company, the Surviving Company) and the other Credit Documents (in each case, as modified hereby), the transactions contemplated by this Fourth Amendment and certifying that such resolutions or written consents have not been modified, rescinded or amended and are in full force and effect. Notwithstanding the foregoing, the conditions set forth in clauses (z)(A) and (z)(B) (C) at least a majority of the immediately preceding sentence may be satisfied by a certification of an Authorized Officer members of the Borrower certifying that there have been no changes to board of directors (or the applicable Organizational Documents since the versions thereof previously delivered to the Administrative Agent.

4. No Default or Event of Default shall have occurred and be continuing (both immediately before and immediately after giving effect to this Fourth Amendment and the transactions contemplated hereby).

5. The Administrative Agent shall have received (a) a certificate, dated as **analogous governing body** of the Fourth Amendment Effective Date and executed by an Authorized Officer of **Parent Company** (or, if there is no **Parent Company**, the Borrower, certifying that the condition in **Section C.4** above has been satisfied on such date and (b) a duly executed and completed Borrowing Base Certificate dated as of the Fourth Amendment Effective Date.

6. The Administrative Agent shall have received, at least two Business Days prior to the Fourth Amendment Effective Date, all documentation and other information with respect to the Credit Parties that is requested by the Administrative Agent or a Lender and is required by regulatory authorities under applicable "know your customer" and anti-money laundering rules and regulations, including the Patriot Act, in each case to the extent reasonably requested in writing at least 5 Business Days prior to the Fourth Amendment Effective Date by the Administrative Agent or the Lenders.

7. The Borrower shall (i) pay all then-accrued and outstanding interest with respect to all Revolving Credit Loans outstanding immediately prior to the Fourth Amendment Effective Date, (ii) pay all then-accrued and outstanding Revolving Credit Commitment Fees immediately prior to the Fourth Amendment Effective Date, in each case, irrespective of whether such accrued amounts are otherwise then due and payable by the terms of the Credit Agreement and (iii) to the extent applicable, repay Revolving Credit Loans in an aggregate principal amount so that, after giving effect to this Fourth Amendment on the Fourth Amendment Effective Date, the aggregate outstanding principal amount of

Revolving Credit Loans at such time does not exceed the Total Revolving Credit Commitment at such time.

8. The Borrower shall, (a) pay all fees and other amounts earned, due and payable to the Agents pursuant to any agreements or arrangements pursuant to which the Borrower has agreed to compensate any Agent or Lender in connection with the transactions contemplated by this Fourth Amendment and (b) to the extent invoiced prior to the Fourth Amendment Effective Date, reimburse or pay all reasonable and documented out-of-pocket expenses in connection with this Fourth Amendment and any other reasonable and documented out-of-pocket expenses of the Agents, excluding the reasonable fees, charges and disbursements of counsel for the Agents as required to be paid or reimbursed pursuant to the Credit Agreement, which shall be paid on a post-closing basis.

9. The Borrower shall have paid to the Administrative Agent, for the ratable account of each Revolving Credit Lender, an upfront fee equal to 0.05% of such Revolving Credit Lender's Revolving Credit Commitments (after giving effect to the transactions contemplated by this Fourth Amendment).

D. Other Terms.

1. **Credit Agreement Governs.** Except as expressly set forth in this Fourth Amendment, the 2022-D New Revolving Credit Commitments shall otherwise be subject to the provisions of the Credit Agreement and the other Credit Documents (in each case, as modified hereby).

2. **Credit Party Certifications.** By execution of this Fourth Amendment, each Credit Party hereby certifies, solely with respect to itself and on behalf of the applicable Credit Party and not in his/her individual capacity, that as of the Fourth Amendment Effective Date:

(a) such Credit Party has the corporate or other organizational power and authority to execute and deliver this Fourth Amendment and carry out the terms and provisions of this Fourth Amendment and the Credit Agreement and the other Credit Documents (in each case, as modified hereby) and has taken all necessary corporate or other organizational action to authorize the execution and delivery of this Fourth Amendment and performance of this Fourth Amendment and the Credit Agreement and the other Credit Documents (in each case, as modified hereby);

(b) such Credit Party has duly executed and delivered this Fourth Amendment and each of this Fourth Amendment and the Credit Agreement and the other Credit Documents (in each case, as modified hereby) constitutes the legal, valid and binding obligation of such Credit Party enforceable in accordance with its terms, subject to the effects of bankruptcy, insolvency, fraudulent conveyance, reorganization and other similar laws relating to or affecting creditors' rights generally and general principles of equity (whether considered in a proceeding in equity or law) (provided that, with respect to the creation and perfection of security interests with respect to Indebtedness, Stock and Stock Equivalents of Foreign Subsidiaries, only to the extent the creation and perfection of such obligation is governed by the Uniform Commercial Code);

(c) none of the execution and delivery by such Credit Party of this Fourth Amendment, the performance by such Credit Party of this Fourth Amendment and the Credit Agreement and the other Credit Documents (in each case, as modified hereby) or the compliance with the terms and provisions hereof or thereof or **Surviving Company** following the consummation of the transactions contemplated hereby will (a) contravene any applicable provision of any material Applicable Law (including material Environmental Laws) other than any contravention which would not reasonably be expected to result in a Material Adverse Effect, (b) result in any breach of any of the terms, covenants, conditions **Business Combination** or provisions of, or constitute a default under, or result in the creation or imposition of any Lien upon any of the property or assets of Holdings, the Borrower or any Restricted Subsidiary (other than Liens created under the Credit Documents, Permitted Liens or Liens subject to an intercreditor agreement permitted hereby or the Collateral Trust Agreement) pursuant to the terms of any material indenture, loan agreement, lease agreement, mortgage, deed of trust or other material debt agreement or instrument to which Holdings, the Borrower or any Restricted Subsidiary is a party or by

which it or any of its property or assets is bound other than any such breach, default or Lien that would not reasonably be expected to result in a Material Adverse Effect, or (c) violate any provision of the Organizational Documents of such Credit Party;

(d) the representations and warranties of such Credit Party contained in the Credit Agreement and the other Credit Documents (in each case, as modified hereby) are true and correct in all material respects on and as of the Fourth Amendment Effective Date (both before and after giving effect thereto) to the same extent as though made on and as of the Fourth Amendment Effective Date, except to the extent such representations and warranties expressly relate to an earlier date, in which case such representations and warranties shall have been true and correct in all material respects on and as of such earlier date;

(e) no Default or Event of Default has occurred and is continuing or would result from the consummation of the transactions contemplated hereby; and

(f) the Borrower falls under an express exclusion from the "legal entity customer" definition under 31 C.F.R. §1010.230(e)(2) and the applicable exclusion is 31 C.F.R. §1020.315(b)(5).

3. Notice. For purposes of the Credit Agreement, the initial notice address of any new Revolving Credit Lender shall be as set forth in the Administrative Questionnaire provided to the Administrative Agent by such new Revolving Credit Lender.

4. Recordation of the New Commitments and Loans. On the Fourth Amendment Effective Date (promptly after giving effect thereto), the Administrative Agent will record the 2022-D New Revolving Credit Commitments provided by each 2022-D New Revolving Loan Lender (and related Revolving Credit Loans) (and the Administrative Agent will take into account and make an appropriate record of the amended and restated schedule of Revolving Credit Commitments set forth in Section B.5 of this Fourth Amendment), in each case, in the Register.

5. Amendment, Modification and Waiver. This Fourth Amendment may not be amended, modified or waived except by an instrument or instruments in writing signed and delivered in accordance with the provisions of Section 13.1 of the Credit Agreement.

6. Entire Agreement. This Fourth Amendment, the Credit Agreement (as modified hereby) and the other Credit Documents constitute the entire agreement among the parties with respect to the subject matter hereof and thereof and supersede all other prior agreements and understandings, both written and verbal, among the parties or any of them with respect to the subject matter hereof.

7. GOVERNING LAW. THIS FOURTH AMENDMENT AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HEREUNDER SHALL BE GOVERNED BY, CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF NEW YORK.

8. Severability. Any term or provision of this Fourth Amendment which is invalid or unenforceable in any jurisdiction shall, as to that jurisdiction, be ineffective to the extent of such invalidity or unenforceability without rendering invalid or unenforceable the remaining terms and provisions of this Fourth Amendment or affecting the validity or enforceability of any of the terms or provisions of this Fourth Amendment in any other jurisdiction. If any provision of this Fourth Amendment is so broad as to be unenforceable, the provision shall be interpreted to be only so broad as would be enforceable.

9. Counterparts. This Fourth Amendment may be executed in one or more counterparts (and by different parties hereto in different counterparts), each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. Delivery by fax or other electronic transmission of an executed counterpart of a signature page to this Fourth Amendment shall be effective as delivery of an original executed counterpart of this Fourth Amendment and the words "execution," "execute," "signed," "signature," and words of like import in or related to any document to be signed in connection with this Fourth Amendment shall be deemed to include electronic signatures, the electronic matching of assignment terms and contract formations on electronic platforms approved by the Administrative Agent, or the keeping of records in electronic form, each of which shall be of the same legal effect, validity or enforceability as a manually executed signature or the use of a paper based recordkeeping system, as the case may be, to the extent and as provided for in any applicable law, including the Federal Electronic Signatures in Global and National Commerce Act, the New York State

Electronic Signatures and Records Act, or any other similar state laws based on the Uniform Electronic Transactions Act. The Administrative Agent may, in its discretion, require that any such documents and signatures executed electronically or delivered by fax or other electronic transmission be confirmed by a manually signed original thereof; provided that the failure to request or deliver the same shall not limit the effectiveness of any document or signature executed electronically or delivered by fax or other electronic transmission.

10. Submission to Jurisdiction. Each party hereto irrevocably and unconditionally:

(a) submits for itself and its property in any legal action or proceeding relating to this Fourth Amendment and the other Credit Documents to which it is a party, or for recognition and enforcement of any judgment in respect thereof, to the exclusive general jurisdiction of the courts of the State of New York, the courts of the United States of America for the Southern District of New York and appellate courts from any thereof;

(b) consents that any such action or proceeding may be brought in such courts and waives any objection that it may now or hereafter have to the venue of any such action or proceeding in any such court or that such action or proceeding was brought in an inconvenient court and agrees not to plead or claim the same;

(c) agrees that service of process in any such action or proceeding may be effected by mailing a copy thereof by registered or certified mail (or any substantially similar form of mail), postage prepaid, to such Person at such address of which the Administrative Agent shall have been notified pursuant to Section 13.2 of the Credit Agreement;

(d) agrees that nothing herein shall affect the right to effect service of process in any other manner permitted by law or shall limit the right to sue in any other jurisdiction;

(e) subject to the last paragraph of Section 13.5 of the Credit Agreement, waives, to the maximum extent not prohibited by Applicable Law, any right it may have to claim or recover in any legal action or proceeding referred to in this Section D.10 any special, exemplary, punitive or consequential damages; and

(f) agrees that a final judgment in any action or proceeding shall be conclusive and may be enforced in other jurisdictions by suit on the judgment or in any other manner provided by Applicable Law.

11. Waiver of Jury Trial. EACH PARTY HERETO HEREBY IRREVOCABLY AND UNCONDITIONALLY WAIVES (TO THE EXTENT PERMITTED BY APPLICABLE LAW) TRIAL BY JURY IN ANY LEGAL ACTION OR PROCEEDING RELATING TO THIS FOURTH AMENDMENT AND FOR ANY COUNTERCLAIM THEREIN.

12. Reaffirmation. By executing and delivering a counterpart hereof, (i) each Credit Party hereby agrees that, as of the Fourth Amendment Effective Date and after giving effect to this Fourth Amendment and the transactions contemplated hereby, all Obligations of the Borrower (including, without limitation, the Revolving Credit Exposure with respect to the 2022-D New Revolving Credit Commitments) shall be guaranteed pursuant to the Guarantee in accordance with the terms and provisions thereof and shall be secured pursuant to the Security Documents in accordance with the terms and provisions thereof; (ii) each Credit Party hereby (A) agrees that, notwithstanding the effectiveness of this Fourth Amendment, as of the Fourth Amendment Effective Date and after giving effect thereto, the Security Documents continue to be in full force and effect, (B) agrees that, as of the Fourth Amendment Effective Date and after giving effect to this Fourth Amendment and the transactions contemplated hereby, all of the Liens and security interests created and arising under each Security Document to which it is a party remain in full force and effect on a continuous basis, and the perfected status and priority of each such Lien and security interest continues in full force and effect on a continuous basis, unimpaired, uninterrupted and undischarged, as collateral security for its Obligations under the Credit Documents (as modified hereby) to which it is a party, in each case, to the extent provided in, and subject to the limitations and qualifications set forth in, such Credit Documents (as modified hereby) and (C) affirms

and confirms all of its obligations and liabilities under the Credit Agreement and each other Credit Document (as modified hereby) to which it is a party, in each case after giving effect to this Fourth Amendment and the transactions contemplated hereby, including its guarantee of the Obligations and the pledge of and/or grant of a security interest in its assets as Collateral pursuant to the Security Documents (as modified hereby) to which it is a party to secure such Obligations, all as provided in the Security Documents (as modified hereby), and acknowledges and agrees that, as of the Fourth Amendment Effective Date, such obligations, liabilities, guarantee, pledge and grant continue in full force and effect in respect of, and to secure, such Obligations under the Credit Agreement and the other Credit Documents, in each case after giving effect to this Fourth Amendment and the incurrence of the 2022-D Revolving Commitment Increase effected hereby and the other transactions contemplated hereby; and (iii) each Guarantor agrees that nothing in the Credit Agreement, this Fourth Amendment or any other Credit Document shall be deemed to require the consent of such Guarantor to any future amendment to the Credit Agreement. This Fourth Amendment shall not extinguish the obligations of the parties outstanding under the Security Documents or discharge, release or otherwise change the priority of any Lien on any Collateral pursuant to any of the Security Documents. Nothing herein contained shall be construed as a substitution or novation of the obligations, guarantees and liabilities outstanding under the Security Documents, and it is the intent of the parties hereto to confirm that all of the respective obligations of each of the Borrower and each other Credit Party under the Security Documents to which it is a party shall continue in full force and effect.

13. Miscellaneous. This Fourth Amendment shall constitute a Credit Document for all purposes of the Credit Agreement and the other Credit Documents (in each case, as modified hereby). The provisions of Section B of this Fourth Amendment are deemed incorporated as of the Fourth Amendment Effective Date into the Credit Agreement as if fully set forth therein. Except as specifically modified by this Fourth Amendment, (i) the Credit Agreement and the other Credit Documents shall remain in full force and effect and (ii) the execution, delivery and performance of this Fourth Amendment shall not constitute a waiver of any provision of, or operate as a waiver of any right, power or remedy of any Agent or Lender under, the Credit Agreement or any of the other Credit Documents.

14. Mortgage Amendments. Within 120 days after the Fourth Amendment Effective Date (or such later date as may be acceptable to the Collateral Agent in its reasonable discretion), the applicable Credit Party (or Credit Parties) shall enter into an amendment to each existing Mortgage covering Mortgaged Property located in the State of Connecticut, in form reasonably acceptable to the Collateral Agent.

[SIGNATURES APPEAR ON THE FOLLOWING PAGES]

IN WITNESS WHEREOF, each of the undersigned has caused its duly authorized officer to execute and deliver this FourthAmendment as of the date first set forth above.

CITIBANK, N.A.,as Administrative Agent, Collateral Agent and a Lender

By: /s/ Ashwani Khubani
Name: Ashwani Khubani
Title: Managing Director / Authorized Signatory

[Signature Page to Fourth Amendment]

BANK OF AMERICA, N.A., as a 2022-D New Revolving Loan Lender

By: /s/ Christopher J. Heitker
Name: Christopher J. Heitker
Title: Director

[Signature Page to Fourth Amendment]

BANK OF MONTREAL, CHICAGO BRANCH, as a Lender

By: /s/ Darren Thomas
Name: Darren Thomas
Title: Director

[Signature Page to Fourth Amendment]

BARCLAYS BANK PLC, as a Lender

By: /s/ Sydney G. Dennis

Name: Sydney G. Dennis

Title: Director

[Signature Page to Fourth Amendment]

BNP PARIBAS, as a Lender

By: /s/ Denis O'Meara

Name: Denis O'Meara

Title: Managing Director

By: /s/ Victor Padilla

Name: Victor Padilla

Title: Vice President

[Signature Page to Fourth Amendment]

CREDIT AGRICOLE CORPORATE AND INVESTMENT BANK, as a Lender

By: /s/ Dixon Schultz

Name: Dixon Schultz

Title: Managing Director

By: /s/ Nimisha Srivastav

Name: Nimisha Srivastav

Title: Director

[Signature Page to Fourth Amendment]

CREDIT SUISSE AG, NEW YORK BRANCH, as a Lender

By: /s/ Mikhail Faybusovich

Name: Mikhail Faybusovich

Title: Authorized Signatory

By: /s/ John Basilici

Name: John Basilici

Title: Authorized Signatory

[Signature Page to Fourth Amendment]

GOLDMAN SACHS BANK USA, as a Lender

By: /s/ Andrew B. Vernon

Name: Andrew B. Vernon

Title: Authorized Signatory

[Signature Page to Fourth Amendment]

JPMORGAN CHASE BANK, N.A., as a Lender and a 2022-D New Revolving Loan Lender

By: /s/ Arina Mavilian

Name: Arina Mavilian

Title: Executive Director

[Signature Page to Fourth Amendment]

MIZUHO BANK, LTD., as a Lender

By: /s/ Edward Sacks

Name: Edward Sacks

Title: Authorized Signatory

[Signature Page to Fourth Amendment]

MORGAN STANLEY SENIOR FUNDING, INC., as a Lender

By: /s/ Michael King

Name: Michael King

Title: Vice President

[Signature Page to Fourth Amendment]

MORGAN STANLEY BANK, N.A., as a Lender

By: /s/ Michael King

Name: Michael King

Title: Authorized Signatory

[Signature Page to Fourth Amendment]

MUFG BANK, LTD., as a Lender

By: /s/ Jeffrey Fesenmaier

Name: Jeffrey Fesenmaier

Title: Managing Director

[Signature Page to Fourth Amendment]

ROYAL BANK OF CANADA, as a Lender

By: /s/ Frank Lambrinos

Name: Frank Lambrinos

Title: Authorized Signatory

[Signature Page to Fourth Amendment]

TRUIST BANK, as a Lender

By: /s/ Justin Lien

Name: Justin Lien

Title: Director

[Signature Page to Fourth Amendment]

VISTRA OPERATIONS COMPANY LLC, as Borrower

By: /s/ Kristopher E. Moldovan

Name: Kristopher E. Moldovan

Title: Executive Vice President and Chief Financial Officer

VISTRA INTERMEDIATE COMPANY LLC, as Holdings

By: /s/ Kristopher E. Moldovan

Name: Kristopher E. Moldovan

Title: Executive Vice President and Chief Financial Officer

[Signature Page to Fourth Amendment]

AMBIT CALIFORNIA, LLC
AMBIT ENERGY HOLDINGS, LLC
AMBIT HOLDINGS, LLC
AMBIT ILLINOIS, LLC
AMBIT MARKETING, LLC
AMBIT MIDWEST, LLC
AMBIT NEW YORK, LLC
AMBIT NORTHEAST, LLC
AMBIT TEXAS, LLC
ANGUS SOLAR, LLC
BELLINGHAM POWER GENERATION LLC
BIG BROWN POWER COMPANY LLC
BIG SKY GAS, LLC
BIG SKY GAS HOLDINGS, LLC
BLACKSTONE POWER GENERATION LLC
BLUENET HOLDINGS, LLC
BRIGHTSIDE SOLAR, LLC
CALUMET ENERGY TEAM, LLC
CASCO BAY ENERGY COMPANY, LLC
COFFEEN AND WESTERN RAILROAD COMPANY
COLETO CREEK ENERGY STORAGE LLC
COLETO CREEK POWER, LLC
COMANCHE PEAK POWER COMPANY LLC
CORE SOLAR SPV I, LLC
CRIUS ENERGY CORPORATION
CRIUS ENERGY, LLC
CRIUS SOLAR FULFILLMENT, LLC
DALLAS POWER & LIGHT COMPANY, INC.
DICKS CREEK POWER COMPANY LLC
DYNEGY COAL HOLDCO, LLC
DYNEGY COAL TRADING & TRANSPORTATION, L.L.C.
DYNEGY CONESVILLE, LLC
DYNEGY ENERGY SERVICES (EAST), LLC
DYNEGY ENERGY SERVICES, LLC
DYNEGY KILLEN, LLC
DYNEGY MARKETING AND TRADE, LLC
DYNEGY MIDWEST GENERATION, LLC
DYNEGY OPERATING COMPANY
DYNEGY POWER MARKETING, LLC
DYNEGY RESOURCES GENERATING HOLDCO, LLC
DYNEGY SOUTH BAY, LLC
DYNEGY STUART, LLC

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EMERALD GROVE SOLAR, LLC
ENERGY REWARDS, LLC
ENNIS POWER COMPANY, LLC
EQUIPOWER RESOURCES CORP.
EVERYDAY ENERGY, LLC
EVERYDAY ENERGY NJ, LLC
FAYETTE POWER COMPANY LLC
FOREST GROVE SOLAR LLC
GENERATION SVC COMPANY
HALLMARK SOLAR, LLC
HANGING ROCK POWER COMPANY LLC
HAYS ENERGY, LLC
HOPEWELL POWER GENERATION, LLC
ILLINOIS POWER GENERATING COMPANY
ILLINOIS POWER MARKETING COMPANY
ILLINOIS POWER RESOURCES GENERATING, LLC
ILLINOIS POWER RESOURCES, LLC
ILLINOVA CORPORATION
IPH, LLC
KENDALL POWER COMPANY LLC
KINCAID GENERATION, L.L.C.
LA FRONTERA HOLDINGS, LLC
LAKE ROAD GENERATING COMPANY, LLC
LIBERTY ELECTRIC POWER, LLC
LONE STAR ENERGY COMPANY, INC.
LONE STAR PIPELINE COMPANY, INC.
LUMINANT ADMINISTRATIVE SERVICES COMPANY
LUMINANT COAL GENERATION LLC
LUMINANT COMMERCIAL ASSET MANAGEMENT LLC
LUMINANT ENERGY COMPANY LLC
LUMINANT ENERGY TRADING CALIFORNIA COMPANY
LUMINANT ET SERVICES COMPANY LLC
LUMINANT GAS IMPORTS LLC
LUMINANT GENERATION COMPANY LLC
LUMINANT MINING COMPANY LLC
LUMINANT POWER GENERATION INC.
LUMINANT POWER LLC
MASSPOWER, LLC
MIAMI FORT POWER COMPANY LLC
MIDLOTHIAN ENERGY, LLC

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MILFORD POWER COMPANY, LLC
MORRO BAY ENERGY STORAGE 1, LLC
MORRO BAY ENERGY STORAGE 2, LLC
MORRO BAY POWER COMPANY LLC
MOSS LANDING ENERGY STORAGE 1, LLC
MOSS LANDING ENERGY STORAGE 2, LLC
MOSS LANDING ENERGY STORAGE 3, LLC
MOSS LANDING ENERGY STORAGE 4, LLC
MOSS LANDING POWER COMPANY LLC
NCA RESOURCES DEVELOPMENT COMPANY LLC
NEPCO SERVICES COMPANY
NORTHEASTERN POWER COMPANY
OAK GROVE MANAGEMENT COMPANY LLC
OAK HILL SOLAR LLC
OAKLAND ENERGY STORAGE 1, LLC
OAKLAND ENERGY STORAGE 2, LLC
OAKLAND ENERGY STORAGE 3, LLC
OAKLAND POWER COMPANY LLC
ONTELAUNEE POWER OPERATING COMPANY, LLC
PLEASANTS ENERGY, LLC
PUBLIC POWER, LLC, A CONNECTICUT LIMITED
LIABILITY COMPANY
PUBLIC POWER, LLC, A PENNSYLVANIA LIMITED
LIABILITY COMPANY
PUBLIC POWER & UTILITY OF MARYLAND, LLC
PUBLIC POWER & UTILITY OF NY, INC.
REGIONAL ENERGY HOLDINGS, INC.
RICHLAND-STRYKER GENERATION LLC
SANDOW POWER COMPANY LLC
SAYREVILLE POWER GENERATION LP
SAYREVILLE POWER GP INC.
SAYREVILLE POWER HOLDINGS LLC
SITHE ENERGIES, INC.
SITHE/INDEPENDENCE LLC
SOUTHWESTERN ELECTRIC SERVICE COMPANY, INC.
TEXAS ELECTRIC SERVICE COMPANY, INC.
TEXAS ENERGY INDUSTRIES COMPANY, INC.
TEXAS POWER & LIGHT COMPANY, INC.
TEXAS UTILITIES COMPANY, INC.

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TEXAS UTILITIES ELECTRIC COMPANY, INC.
 TRIEAGLE 1, LLC
 TRIEAGLE 2, LLC
 TRIEAGLE ENERGY LP
 TRINIDAD POWER STORAGE LLC
 TXU ELECTRIC COMPANY, INC.
 TXU ENERGY RETAIL COMPANY LLC
 TXU RETAIL SERVICES COMPANY
 UPTON COUNTY SOLAR 2, LLC
 VALUE BASED BRANDS LLC
 VIRIDIAN ENERGY, LLC
 VIRIDIAN ENERGY NY, LLC
 VIRIDIAN ENERGY OHIO LLC
 VIRIDIAN ENERGY PA LLC
 VIRIDIAN INTERNATIONAL MANAGEMENT LLC
 VIRIDIAN NETWORK, LLC
 VISTRA ASSET COMPANY LLC
 VISTRA CORPORATE SERVICES COMPANY
 VISTRA EP PROPERTIES COMPANY
 VISTRA FINANCE CORP.
 VISTRA INSURANCE SOLUTIONS LLC
 VISTRA PREFERRED INC.
 VISTRA ZERO LLC
 VOLT ASSET COMPANY, INC.
 WASHINGTON POWER GENERATION, LLC
 WISE COUNTY POWER COMPANY, LLC
 WISE-FUELS PIPELINE, INC.
 ZIMMER POWER COMPANY LLC, as Subsidiary
 Guarantors

By: /s/ Kristopher E. Moldovan
 Name: Kristopher E. Moldovan
 Title: Executive Vice President and Chief Financial Officer

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SCHEDULE 1

2022-D New Revolving Loan Lender	Type of Commitment	Amount
Bank of America, N.A.	2022-D New Revolving Credit Commitment	\$25,000,000
JPMorgan Chase Bank, N.A.	2022-D New Revolving Credit Commitment	\$16,000,000
TOTAL:	N/A	\$41,000,000

CREDIT AGREEMENT

Dated as of February 4, 2022

among

VISTRA INTERMEDIATE COMPANY LLC,
as Holdings

VISTRA OPERATIONS COMPANY LLC,
as the Borrower,

The Several Lenders
from Time to Time Parties Hereto,

CITIBANK, N.A.,
as Administrative Agent and Collateral Agent

and

CITIBANK, N.A.,
BARCLAYS BANK PLC,
BMO CAPITAL MARKETS CORP.,
BNP PARIBAS SECURITIES CORP.,
CREDIT AGRICOLE CORPORATE AND INVESTMENT BANK,
CREDIT SUISSE LOAN FUNDING LLC,
GOLDMAN SACHS BANK USA,
JPMORGAN CHASE BANK, N.A.,
MIZUHO BANK, LTD.,
MORGAN STANLEY SENIOR FUNDING, INC.,
MUFG BANK, LTD.,
NATIXIS, NEW YORK BRANCH
AND
ROYAL BANK OF CANADA
as Joint Lead Arrangers and Joint Bookrunners

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CREDIT AGREEMENT, dated as of February 4, 2022, among VISTRA INTERMEDIATE COMPANY LLC (“**Holdings**”), VISTRA OPERATIONS COMPANY LLC (the “**Borrower**”), the lending institutions from time to time parties hereto (each a “**Lender**” or a “**Revolving Credit Lender**” and, collectively, the “**Lenders**” or the “**Revolving Credit Lenders**”) and CITIBANK, N.A., as Administrative Agent and Collateral Agent.

RECITALS:

WHEREAS, capitalized terms used and not defined in the preamble and these recitals shall have the respective meanings set forth for such terms in [Section 1.1](#) hereof;

WHEREAS, as of the Closing Date, the Borrower and Holdings are party to the Senior Secured Credit Agreement and the other Credit Documents (as defined in the Senior Secured Credit Agreement);

WHEREAS, the Borrower requires commodity-linked revolving credit commitments, which shall be provided by the Lenders and which shall be secured by a Lien on the Collateral that is *pari passu* with the Liens securing the Obligations (as defined in the Senior Secured Credit Agreement);

NOW, THEREFORE, in consideration of the premises and the covenants and agreements contained herein, each Lender hereby agrees to establish commodity-linked revolving credit commitments for the Borrower pursuant to the terms of this Agreement as follows:

Section 1. Definitions.

1.1. Defined Terms.

Unless otherwise defined herein, terms defined in the Senior Secured Credit Agreement and used herein shall have the meanings given to them in Section 1.1 of the Senior Secured Credit Agreement. As used herein, the following terms shall have the meanings specified in this Section 1.1 unless the context otherwise requires:

"ABR" shall mean for any day a fluctuating rate per annum equal to the greatest of (a) the Federal Funds Effective Rate plus 1/2 of 1%, (b) the rate of interest in effect for such day as publicly announced from time to time by the Wall Street Journal as the "U.S. prime rate" and (c) ~~Adjusted~~-Term SOFR Rate for a one-month tenor as published two U.S. Governmental Securities Business Days prior to such day (taking into account any ~~Adjusted~~-Term SOFR Rate floor set forth in the definition of "~~Adjusted~~-Term SOFR Rate") (or if such day is not a Business Day, the immediately preceding Business Day) plus 1.00%; provided, that for the purpose of this definition, ~~Adjusted~~-Term SOFR Rate for any day shall be based on the Term SOFR Reference Rate at approximately 6:00 a.m. New York time on such day (or an amended publication time for the Term SOFR Reference Rate, as specified by the CME Term SOFR Administrator in the Term SOFR Reference Rate methodology) provided, further that, if at any time any rate described in clause (a) or (b) is less than 1.00% then such rate in clause (a) or (b) shall be deemed to be 1.00%. If the Administrative Agent is unable to ascertain the Federal Funds Effective Rate due to its inability to obtain sufficient quotations in accordance with the definition thereof, after notice is provided to the Borrower, the ABR shall be determined without regard to clause (a) above until the circumstances giving rise to such inability no longer exist. Any change in the ABR due to a change in such rate announced by the Administrative Agent or in the Federal Funds Effective Rate shall take effect at the opening of business on the day specified in the public announcement of such change or on the effective date of such change in the Federal Funds Effective Rate or the ~~Adjusted~~-Term SOFR Rate, as applicable. If the ABR is being used as an alternate rate of interest pursuant to Section 2.10 hereof (for the avoidance of doubt, only

until the Benchmark Replacement has been determined pursuant to Section 2.10), then the ABR shall be the greater of clauses (a) and (b) above and shall be determined without reference to clause (c) above.

"ABR Loan" shall mean each Revolving Credit Loan bearing interest based on the ABR.

~~"Adjusted Daily Simple SOFR" means, for each SOFR Rate Day in any Interest Period, an interest rate per annum equal to (a) the Daily Simple SOFR, plus (b) 0.10%; provided that if the Adjusted Daily Simple SOFR Rate as so determined would be less than the Floor, such rate shall be deemed to be equal to the Floor for the purposes of this Agreement.~~

~~"Adjusted Term SOFR Rate" means, for any Interest Period, an interest rate per annum equal to (a) the Term SOFR Rate, plus (b) 0.10%; provided, that if the Adjusted Term SOFR Rate as so determined would be less than the Floor, such rate shall be deemed to be equal to the Floor for the purposes of this Agreement.~~

"Adjusted Total Revolving Credit Commitment" shall mean, at any time, the Total Revolving Credit Commitment less the aggregate Revolving Credit Commitments of all Defaulting Lenders.

"Administrative Agent" shall mean Citibank, N.A., as the administrative agent for the Lenders under this Agreement and the other Credit Documents, or any successor administrative agent pursuant to Section 12.9.

"Administrative Agent's Office" shall mean the Administrative Agent's address and, as appropriate, account as set forth on Schedule 13.2, or such other address or account as the Administrative Agent may from time to time notify to the Borrower and the Lenders.

"Administrative Questionnaire" shall have the meaning provided in Section 13.6(b)(ii)(D).

"Advisors" shall mean legal counsel, financial advisors and third-party appraisers and consultants advising the Agents, the Lenders and their Related Parties in connection with this Agreement, the other Credit Documents and the consummation of the Transactions, limited in the case of legal counsel to one primary counsel for the Agents (as of the Closing Date, White & Case LLP) and, if necessary, one firm of regulatory counsel and/or one firm of local counsel in each appropriate jurisdiction (and, in the case of an actual or perceived conflict of interest where the Person affected by such conflict informs the Borrower of such conflict and thereafter, after receipt of the consent of the Borrower (which consent shall not be unreasonably withheld or delayed), retains its own counsel, or another firm of counsel for all such affected Persons (taken as a whole)).

"Affected Financial Institution" means (a) any EEA Financial Institution or (b) any UK Financial Institution.

"Affiliate" shall mean, with respect to any Person, any other Person directly or indirectly controlling, controlled by, or under direct or indirect common control with such Person. A Person shall be deemed to control another Person if such Person possesses, directly or indirectly, the power to direct or cause the direction of the management and policies of such other Person, whether through the ownership of voting securities or by contract. The terms "controlling" and "controlled" shall have meanings correlative thereto.

"Agent Parties" shall have the meaning provided in Section 13.17(d).

"Agents" shall mean the Administrative Agent, the Collateral Agent and each Joint Lead Arranger.

"Aggregate Revolving Credit Outstandings" means, as of any date of determination, the Revolving Credit Exposure of all Lenders as of such date of determination.

"Agreement" shall mean this Credit Agreement.

"AHYDO Catch-Up Payment" means any payment or redemption of Indebtedness, including subordinated debt obligations, to avoid the application of Code Section 163(e)(5) thereto.

"Applicable Laws" shall mean, as to any Person, any law (including common law), statute, regulation, ordinance, rule, order, decree, judgment, consent decree, writ, injunction, settlement agreement or governmental requirement enacted, promulgated or imposed or entered into or agreed by any Governmental Authority (including the PUCT and ERCOT), in each case applicable to or binding on such Person or any of its property or assets or to which such Person or any of its property or assets is subject.

"Applicable Margin" means, for any day, on or after the Fourth Amendment Effective Date, with respect to any ABR Loan or SOFR Loan, or with respect to the commitment fees payable hereunder, as the case may be, the applicable rate per annum set forth below under the caption "ABR Spread", "~~Adjusted~~ SOFR Spread" or "Revolving Credit Commitment Fee Rate", as the case may be, based upon the ratings by Moody's and/or S&P, respectively, applicable on such date to the ~~Index Debt~~ Borrower's senior secured long-term debt securities (in each case, as such rate per annum may be increased or decreased by any relevant Sustainability Adjustments as of the applicable date of determination (it being understood and agreed that in no event shall (a) the Applicable Margin be increased or decreased by more than 0.05% in the aggregate and/or (b) the Revolving Credit Commitment Fee Rate be increased or decreased by more than 0.01% in the aggregate, in each case, as the result of the application of any Sustainability Adjustments during the term of this Agreement)).

Tier	Index Debt Ratings	ABR Spread	Adjusted SOFR Spread	Revolving Credit Commitment Fee Rate
1	Baa1 or better or BBB+ or better	0.25%	1.25%	0.175%
2	Baa2 or BBB	0.50%	1.50%	0.225%
3	Baa3 or BBB-	0.75%	1.75%	0.275%
4	Ba1 or lower or BB+ or lower	1.00%	2.00%	0.350%

For purposes of the foregoing, (i) if both Moody's and S&P have established a rating for the ~~Index Debt~~ Borrower's senior secured long-term debt securities and such ratings established or deemed to have been established by Moody's and S&P shall fall within different Tiers, then the Applicable Margin shall be based on the higher of the two ratings, unless one of the two ratings is two or more Tiers lower than the other, in which case the Applicable Margin shall be determined by reference to the Tier next below that of the higher of the two ratings and (ii) on the Fourth Amendment Effective Date, the Applicable Margin for all purposes shall be deemed to be set at Tier 3 and, if the ratings established or deemed to have been

established by Moody's and S&P for the ~~Index Debt~~ Borrower's senior secured long-term debt securities shall be changed (other than as a result of a change in the rating system of Moody's or S&P), such change (subject to the proviso in the immediately succeeding sentence), shall be effective as of the date ~~on which it is first announced by the applicable rating agency, irrespective of when notice of such change shall have been furnished by the Borrower to that is five (5) Business Days after the date on which~~ the Administrative Agent ~~and the Lenders pursuant to Section 9.1 or otherwise~~ receives written notice from the Borrower of such change. Each change in the Applicable Margin shall apply during the period commencing on the effective date of such change and ending on the date immediately preceding the effective date of the next such change. ~~If the rating system of~~ provided that, if the Borrower fails to provide any notice of a change in ratings as required pursuant to Section 9.1(j) when such notification is due and such notification would have resulted in a higher Applicable Margin, the Applicable Margin shall be increased with retroactive effect to the date on which the Applicable Margin would have increased if the applicable notification was delivered in accordance with Section 9.1(j) (without constituting a waiver of any Default or Event of Default occasioned by the failure to timely deliver such notice). If the Borrower's senior secured long-term debt securities are not rated by either Moody's or S&P, the ratings for the Borrower's senior secured long-term debt securities shall be deemed to be (A) in the case of Moody's, the Borrower's corporate family rating and (B) in the case of S&P, the Borrower's corporate credit rating,

~~Moody's or S&P shall change, or if either such rating agency~~ For the avoidance of doubt, solely during any Collateral Suspension Period, (i) the ratings above shall refer to ratings assigned to the Borrower's senior unsecured long-term debt securities by Moody's and S&P and (ii) if the Borrower's senior unsecured long-term debt securities are not rated by either Moody's or S&P, the ratings for the Borrower's senior unsecured long-term debt securities shall be deemed to be (A) in the case of Moody's, the Borrower's corporate family rating and (B) in the case of S&P, the Borrower's corporate credit rating and, in each case, the rules of the immediately preceding paragraph shall apply to such deemed ratings. If either the rating system of S&P or Moody's shall change in a manner that directly and materially impacts the pricing set forth above, or if both S&P and Moody's shall cease to be engaged in the business of rating corporate debt obligations, then in

~~either such case~~ the Borrower and the Required Lenders shall negotiate in good faith to amend ~~this definition~~ the references to either rating above to reflect such changed rating system or ~~the unavailability of ratings from~~ to replace such rating ~~agency and~~ system with an alternative measurement scheme, as applicable, and pending the effectiveness of any such amendment, the ~~Applicable Margin shall be determined by reference to the rating~~ ratings of such rating agency (or both rating agencies, if applicable) most recently in effect prior to such change or cessation shall be employed in determining the Applicable Margin.

"Applicable Settlement Price" shall mean (a) with respect to PJM Contracts, the market published price of the ICE "PMI" Contract, "PJM Western Hub Real-Time Peak (1 MW) Fixed Price Future" and (b) with respect to ERCOT Contracts, the market published price of the ICE "ERN" Contract, "ERCOT North 345KV Real-Time Peak Fixed Price Future."

"Assignment and Acceptance" shall mean an assignment and acceptance substantially in the form of Exhibit C, or such other form as may be approved by the Administrative Agent.

"Authorized Officer" shall mean the President, the Chief Executive Officer, the Chief Financial Officer, the Chief Operating Officer, the Treasurer, any Assistant Treasurer, the Controller, any Senior Vice President, with respect to certain limited liability companies or partnerships that do not have officers, any manager, managing member or general partner thereof, any other senior officer of Holdings, the Borrower or any other Credit Party designated as such in writing to the Administrative Agent by Holdings, the Borrower or any other Credit Party, as applicable, and, with respect to any document delivered on the Closing Date, the Secretary or any Assistant Secretary of any Credit Party. Any document (other than a solvency certificate) delivered hereunder that is signed by an Authorized Officer shall be

conclusively presumed to have been authorized by all necessary corporate, limited liability company, partnership and/or other action on the part of Holdings, the Borrower or any other Credit Party and such Authorized Officer shall be conclusively presumed to have acted on behalf of such Person.

"Available Tenor" means, as of any date of determination and with respect to the then-current Benchmark, as applicable, any tenor for such Benchmark (or component thereof) or payment period for interest calculated with reference to such Benchmark (or component thereof), as applicable, that is or may be used for determining the length of an Interest Period for any term rate or for determining any frequency of making payments of interest calculated pursuant to this Agreement as of such date and not including, for the avoidance of doubt, any tenor for such Benchmark that is then-removed from the definition of "Interest Period" pursuant to Section 2.10(d)(v).

"Bail-In Action" means the exercise of any Write-Down and Conversion Powers by the applicable Resolution Authority in respect of any liability of an Affected Financial Institution.

"Bail-In Legislation" means, (a) with respect to any EEA Member Country implementing Article 55 of Directive 2014/59/EU of the European Parliament and of the Council of the European Union, the implementing law, regulation, rule or requirement for such EEA Member Country from time to time which is described in the EU Bail-In Legislation Schedule and (b) with respect to the United Kingdom, Part I of the United Kingdom Banking Act 2009 (as amended from time to time) and any other law, regulation or rule applicable in the United Kingdom relating to the resolution of unsound or failing banks, investment firms or other financial institutions or their affiliates (other than through liquidation, administration or other insolvency proceedings).

"Bankruptcy Code" shall have the meaning provided in Section 11.5.

"Benchmark" means, initially the Term SOFR Rate; provided that if a Benchmark Transition Event and the related Benchmark Replacement Date have occurred with respect to the Term SOFR Rate or the then-current Benchmark, then "Benchmark" means the applicable Benchmark Replacement to the extent that such Benchmark Replacement has replaced such prior benchmark rate pursuant to Section 2.10(d)(ii).

"Benchmark Replacement" means, for any Available Tenor, the first alternative set forth in the order below that can be determined by the Administrative Agent for the applicable Benchmark Replacement Date:

(1) ~~Adjusted~~ Daily Simple SOFR;

(2) the sum of: (a) the alternate benchmark rate that has been selected by the Administrative Agent and the Borrower as the replacement for the then-current Benchmark for the applicable Corresponding Tenor giving due consideration to (i) any selection or recommendation of a replacement benchmark rate or the mechanism for determining such a rate by the Relevant Governmental Body or (ii) any evolving or then-prevailing market convention for determining a benchmark rate as a replacement for the then-current Benchmark for syndicated credit facilities denominated in Dollars at such time in the United States and (b) the related Benchmark Replacement Adjustment.

If the Benchmark Replacement as determined pursuant to clause (1) or (2) above would be less than the Floor, the Benchmark Replacement will be deemed to be the Floor for the purposes of this Agreement and the other Credit Documents.

"Benchmark Replacement Adjustment" means, with respect to any replacement of the then-current Benchmark with an Unadjusted Benchmark Replacement for any applicable Interest Period and Available Tenor for any setting of such Unadjusted Benchmark Replacement, the spread adjustment, or method for calculating or determining such spread adjustment, (which may be a positive or negative value or zero) that has been selected by the Administrative Agent and the Borrower for the applicable Corresponding Tenor giving due consideration to (i) any selection or recommendation of a spread adjustment, or method for calculating or determining such spread adjustment, for the replacement of such Benchmark with the applicable Unadjusted Benchmark Replacement by the Relevant Governmental Body on the applicable Benchmark Replacement Date and/or (ii) any evolving or then-prevailing market convention for determining a spread adjustment, or method for calculating or determining such spread adjustment, for the replacement of such Benchmark with the applicable Unadjusted Benchmark Replacement for syndicated credit facilities denominated in Dollars at such time.

"Benchmark Replacement Conforming Changes" means, with respect to any Benchmark Replacement, any technical, administrative or operational changes (including changes to the definition of "Alternate Base Rate," the definition of "Business Day," the definition of "U.S. Government Securities Business Day," the definition of "Interest Period," timing and frequency of determining rates and making payments of interest, timing of borrowing requests or prepayment, conversion or continuation notices, length of lookback periods, the applicability of breakage provisions, and other technical, administrative or operational matters) that the Administrative Agent, in consultation with the Borrower, decides may be appropriate to reflect the adoption and implementation of such Benchmark and to permit the administration thereof by the Administrative Agent in a manner substantially consistent with market practice (or, if the Administrative Agent decides that adoption of any portion of such market practice is not administratively feasible or if the Administrative Agent determines that no market practice for the administration of such Benchmark exists, in such other manner of administration as the Administrative Agent, in consultation with the Borrower, decides is reasonably necessary in connection with the administration of this Agreement and the other Credit Documents).

"Benchmark Replacement Date" means, with respect to any Benchmark, the earliest to occur of the following events with respect to such then-current Benchmark:

(1) in the case of clause (1) or (2) of the definition of "Benchmark Transition Event," the later of (a) the date of the public statement or publication of information referenced therein and (b) the date on which the administrator of such Benchmark (or the published component used in the calculation thereof) permanently or indefinitely ceases to provide all Available Tenors of such Benchmark (or such component thereof); or

(2) in the case of clause (3) of the definition of "Benchmark Transition Event," the first date on which such Benchmark (or the published component used in the calculation thereof) has been determined and announced by the regulatory supervisor for the administrator of such Benchmark (or such component thereof) to be no longer representative; provided, that such non-representativeness will be determined by reference to the most recent statement or publication referenced in such clause (3) and even if any Available Tenor of such Benchmark (or such component thereof) continues to be provided on such date.

For the avoidance of doubt, (i) if the event giving rise to the Benchmark Replacement Date occurs on the same day as, but earlier than, the Reference Time in respect of any determination, the Benchmark Replacement Date will be deemed to have occurred prior to the Reference Time for such determination and (ii) the "Benchmark Replacement Date" will be deemed to have occurred in the case of clause (1) or (2) with respect to any Benchmark upon the occurrence of the applicable event or events set forth therein with respect to all then-current Available Tenors of such Benchmark (or the published component used in the calculation thereof).

"Benchmark Transition Event" means the occurrence of one or more of the following events with respect to the then-current Benchmark:

(1) a public statement or publication of information by or on behalf of the administrator of such Benchmark (or the published component used in the calculation thereof) announcing that such administrator has ceased or will cease to provide all Available Tenors of such Benchmark (or such component thereof), permanently or indefinitely, provided that, were Board members at the time of such statement or publication, there is no successor administrator that will continue to provide any Available Tenor of such Benchmark (or such component thereof);

(2) a public statement or publication of information by the regulatory supervisor for the administrator of such Benchmark (or the published component used in the calculation thereof), the Board, the NYFRB, the CME Term SOFR Administrator, an insolvency official with jurisdiction over the administrator for such Benchmark (or such component), a resolution authority with jurisdiction over the administrator for such Benchmark (or such component) or a court or an entity with similar insolvency or resolution authority over the administrator for such Benchmark (or such component), in each case, which states that the administrator of such Benchmark (or such component) has ceased or will cease to provide all Available Tenors of such Benchmark (or such component thereof) permanently or indefinitely; provided that, at the time of such statement or publication, there is no successor administrator that will continue to provide any Available Tenor of such Benchmark (or such component thereof); or

(3) a public statement or publication of information by the regulatory supervisor for the administrator of such Benchmark (or the published component used in the calculation thereof) announcing that all Available Tenors of such Benchmark (or such component thereof) are no longer, or as of a specified future date will no longer be, representative.

For the avoidance of doubt, a "Benchmark Transition Event" will be deemed to have occurred with respect to any Benchmark if a public statement or publication of information set forth above has occurred with respect to each then-current Available Tenor of such Benchmark (or the

published component used in the calculation thereof).

"Benchmark Unavailability Period" means, with respect to any Benchmark, the period (if any) (x) beginning at the time that a Benchmark Replacement Date pursuant to clauses (1) or (2) of that definition has occurred if, at such time, no Benchmark Replacement has replaced such then-current Benchmark for all purposes hereunder and under any Credit Document in accordance with [Section 2.10](#) and (y) ending at the time that a Benchmark Replacement has replaced such then-current Benchmark for all purposes hereunder and under any Credit Document in accordance with [Section 2.10](#).

"Benefit Plan" shall mean an employee pension benefit plan (other than a Multiemployer Plan) which is covered by Title IV of ERISA or subject to the minimum funding standards under Section 412 of the Code or Section 302 of ERISA and is maintained or contributed to by the Borrower, any Subsidiary or ERISA Affiliate or with respect to which the Borrower or any Subsidiary could incur liability pursuant to Title IV of ERISA.

"Benefited Lender" shall have the meaning provided in [Section 13.8\(a\)](#).

"Board" shall mean the Board of Governors of the Federal Reserve System of the United States (or any successor).

"Borrower" shall have the meaning provided in the preamble to this Agreement.

"Borrowing" shall mean and include the incurrence of one Type of Revolving Credit Loan on a given date (or resulting from conversions on a given date) having a single maturity date and in the case of SOFR Loans, the same Interest Period.

"Borrowing Base" shall mean the amount determined on each Calculation Date, equal to the MTM Amount of the Deemed Hedge Portfolio as of such Calculation Date.

"Borrowing Base Certificate" shall have the meaning provided in [Section 9.1\(i\)](#).

"Business Day" shall mean any day excluding Saturday, Sunday and any other day on which banking institutions in New York City are authorized by law or other governmental actions to close.

"Calculation Date" shall mean each of (a) the Closing Date ~~and~~, (b) [the Fourth Amendment Effective Date](#), ~~(c) the last Business Day of each calendar week ending prior to the Revolving Credit Maturity Date and (d) any Business Day designated by the Borrower as a Calculation Date (any such Business Day, an "Interim Calculation Date"); provided, that each Business Day that follows an Interim Calculation Date and is prior to the immediately succeeding Calculation Date (determined pursuant to clause (c) above) shall also be a Calculation Date.~~

"Calculation Month" shall mean, with respect to each PJM Contract or ERCOT Contract, all partial and full months of such PJM Contract or ERCOT Contract, as applicable, following the Calculation Date through and including the earlier of (a) the last month of such PJM Contract or ERCOT Contract and (b) ~~December 31, 2023, the last month for which ICE has published a public settlement price for such PJM Contract or ERCOT Contract, as applicable (or, if such published public settlement price is not so available, the last month for which broker quotes are available for such PJM Contract or ERCOT Contract, as applicable).~~

"Certificated Securities" shall have the meaning provided in [Section 8.17](#).

"Change in Law" shall mean (a) the adoption of any Applicable Law after the Closing Date, (b) any change in any Applicable Law or in the interpretation or application thereof by any Governmental Authority after the Closing Date or (c) compliance by any party with any guideline, request, directive or order issued or made after the Closing Date by any central bank or other governmental or quasi-governmental authority (whether or not having the force of law); ~~provided, that notwithstanding anything herein to the contrary, (x) the Dodd-Frank Wall Street Reform and Consumer Protection Act and all requests, rules, guidelines or directives thereunder or issued in connection therewith and (y) all requests, rules, guidelines or directives promulgated by the Bank for International Settlements, the Basel Committee on Banking Supervision (or any successor or similar authority) or the U.S. or foreign regulatory authorities, in each case pursuant to Basel III, shall in each case be deemed to be a "Change in Law", regardless of the date enacted, adopted or issued.~~

"Closing Date" shall mean February 4, 2022.

"CME Term SOFR Administrator" means CME Group Benchmark Administration Limited as administrator of the forward-looking term Secured Overnight Financing Rate (SOFR) (or a successor administrator).

"Code" shall mean the Internal Revenue Code of 1986, as amended from time to time. Section references to the Code are to the Code, as in effect on the Closing Date, and any subsequent provisions of the Code, amendatory thereof, supplemental thereto or substituted therefore.

"Collateral" shall mean all property pledged, mortgaged or purported to be pledged or mortgaged pursuant to the Security Documents (excluding, for the avoidance of doubt, all Excluded Collateral and the Monticello Property). For the avoidance of doubt, and notwithstanding anything to the contrary in any Credit

Document, each Secured Bank Party hereby agrees that in no event shall the Monticello Property constitute Collateral securing the Obligations under the Credit Documents.

"Collateral Agent" shall mean Citibank, N.A., in its capacity as collateral agent for the Secured Bank Parties under this Agreement and the Security Documents, or any successor collateral agent appointed pursuant hereto.

"Collateral Representative" shall mean (i) initially, the Collateral Trustee or (ii) after the termination of the Collateral Trust Agreement, a collateral agent appointed by the Borrower and the Collateral Agent pursuant to a collateral agency agreement to be entered into between such parties (among others).

"Collateral Trust Agreement" shall mean that certain Collateral Trust Agreement, dated as of October 3, 2016, by and among the Borrower, the RCT, the Collateral Agent (as defined in the Senior Secured Credit Agreement), the Collateral Trustee and certain other First Lien Secured Parties from time to time party thereto (including the Collateral Agent).

"Collateral Trustee" shall mean Delaware Trust Company, and any permitted successors and assigns.

"Communications" shall have the meaning provided in [Section 13.17\(a\)](#).

"Compliance Quarter" shall mean any fiscal quarter in which, as of the last day of such fiscal quarter, the Aggregate Revolving Credit Outstandings exceeds 30% of the amount of the Total Revolving Credit Commitment.

"Confidential Information" shall have the meaning provided in [Section 13.16](#).

"Consolidated EBITDA" shall have the meaning set forth in the Senior Secured Credit Agreement. Notwithstanding anything to the contrary contained herein, for purposes of determining Consolidated EBITDA under this Agreement for any period that includes any of the four fiscal quarters ended prior to the Closing Date, the Consolidated EBITDA for such fiscal quarter shall be the Consolidated EBITDA (as defined in the Senior Secured Credit Agreement) that was calculated under the Senior Secured Credit Agreement for such fiscal quarter.

"Consolidated First Lien Net Leverage Ratio" shall mean, as of any date of determination, the ratio of (a) the sum, without duplication, of (i) Consolidated Secured Debt that is secured by a Lien on the Collateral that is *pari passu* with the Liens securing the Obligations [\(it being understood and agreed that, notwithstanding anything to the contrary in this Agreement, during the period between any Collateral Reversion Date and the immediately succeeding Collateral Reinstatement Date, this clause \(i\) shall include all outstanding Loans under, and as defined in, the Senior Secured Credit Agreement\)](#) and (ii) Consolidated Secured Debt of the type described in clause (ii) of the definition thereof, in each case as of such date of determination to (b) Consolidated EBITDA for the most recent four fiscal quarter period for which financial statements described in [Section 9.1\(a\)](#) or (b) are available.

"Consolidated Secured Debt" shall mean, as of any date of determination, Consolidated Total Debt at such date which either (i) is secured by a Lien on the Collateral (and other assets of the Borrower or any Restricted Subsidiary pledged to secure the Obligations pursuant to Section 10.2(cc) of the Senior Secured Credit Agreement) or (ii) constitutes Capitalized Lease Obligations or purchase money Indebtedness of the Borrower or any Restricted Subsidiary.

"Consolidated Total Debt" shall mean, as of any date of determination, (a)(x)(i) the aggregate outstanding principal amount of all Indebtedness of the types described in [clause \(a\)](#) (solely to the extent such Indebtedness matures more than one year from the date of its creation or matures within one year from such date that is renewable or extendable, at the sole option of the Borrower or any Restricted Subsidiary, to a date more than one year from the date of its creation), [clause \(d\)](#) (but, in the case of [clause \(d\)](#), only to the extent of any unreimbursed drawings under any letter of credit which are not cash collateralized or backstopped) and [clause \(f\)](#) of the definition thereof, in each case actually owing by the Borrower and the Restricted Subsidiaries on such date and to the extent appearing on the balance sheet of the Borrower determined on a consolidated basis in accordance with GAAP and (ii) purchase money Indebtedness (and excluding, for the avoidance of doubt, Hedging Obligations and Cash Management Obligations) and (y) Guarantee Obligations for the benefit of any Person (other than of the Borrower or any Restricted Subsidiary) of the type described in [clause \(x\)](#) above [minus](#) (b) the aggregate amount of all Unrestricted Cash [minus](#) (c) amounts in the Term C Loan Collateral Accounts, if any.

"Consolidated Total Net Leverage Ratio" shall mean, as of any date of determination, the ratio of (a) Consolidated Total Debt as of such date of determination to (b) Consolidated EBITDA for the most recent four fiscal quarter period for which financial statements described in [Section 9.1\(a\)](#) or (b) are available.

"Contractual Requirement" shall have the meaning provided in [Section 8.3](#).

"Corresponding Tenor" with respect to any Available Tenor means, as applicable, either a tenor (including overnight) or an interest payment period having approximately the same length (disregarding business day adjustment) as such Available Tenor.

"Credit Documents" shall mean this Agreement, the Guarantee, the Security Documents, the Collateral Trust Agreement, any promissory notes issued by the Borrower hereunder and each other document designated in writing as such by each of the Borrower and the Administrative Agent as a Credit

Document.

"Credit Event" shall mean and include the making (but not the conversion or continuation) of a Revolving Credit Loan.

"Credit Party" shall mean each of Holdings, the Borrower, each of the Subsidiary Guarantors and each other Subsidiary of the Borrower that is a party to a Credit Document.

"Cure Amount" shall have the meaning provided in [Section 11.13\(a\)](#).

"Cure Period" shall have the meaning provided in [Section 11.13\(a\)](#).

"Cure Right" shall have the meaning provided in [Section 11.13\(a\)](#).

"Daily Simple SOFR" means, for any day (a **"SOFR Rate Day"**), a rate per annum equal to SOFR for the day (such day **"SOFR Determination Date"**) that is five (5) U.S. Government Securities Business Day prior to (i) if such SOFR Rate Day is a U.S. Government Securities Business Day, such SOFR

Rate Day or (ii) if such SOFR Rate Day is not a U.S. Government Securities Business Day, the U.S. Government Securities Business Day immediately preceding such SOFR Rate Day, in each case, as such SOFR is published by the SOFR Administrator on the SOFR Administrator's Website; provided that if the Daily Simple SOFR Rate as so determined would be less than the Floor, such rate shall be deemed to be equal to the Floor for the purposes of this Agreement. Any change in Daily Simple SOFR due to a change in SOFR shall be effective from and including the effective date of such change in SOFR without notice to the Borrower.

"Daily Simple SOFR Loan" means a Revolving Credit Loan bearing interest a rate based on ~~Adjusted~~ Daily Simple SOFR.

"Deemed Hedge Portfolio" shall mean the theoretical cleared derivatives power hedge contracts, as set forth on [Schedule 1.1\(b\)](#) hereto (as such schedule may be updated from time to time by the Borrower by a written notice to the Administrative Agent as further provided in the immediately succeeding sentence), settling with reference to the Applicable Settlement Price with respect to markets managed by the PJM Interconnection regional transmission organization (**"PJM Contracts"**) and the Electric Reliability Council of Texas (**"ERCOT Contracts"**) under which the Borrower would be the "floating price" payor (or equivalent). PJM Contracts, ERCOT Contracts and Calculation Months can be added to (or subtracted from) the Deemed Hedge Portfolio on the first Calculation Date (for this purpose, determined under clause (c) of the definition thereof) of each calendar month; provided that, at the time of any such addition or subtraction, the aggregate volume of the PJM Contracts and ERCOT Contracts in the Deemed Hedge Portfolio (after giving effect to such addition or subtraction) for any Calculation Month shall be no greater than the aggregate volume under actual power hedge contracts to which any Credit Party is a party for such Calculation Month.

"Default" shall mean any event, act or condition that with notice or lapse of time hereunder, or both, would constitute an Event of Default.

"Default Rate" shall have the meaning provided in [Section 2.8\(d\)](#).

"Defaulting Lender" shall mean any Lender with respect to which a Lender Default is in effect.

"Disqualified Institutions" shall mean (a) those banks, financial institutions or other Persons separately identified in writing by the Borrower to the Administrative Agent on or prior to the Closing Date, or any affiliates of such banks, financial institutions or other persons identified by the Borrower in writing to the Administrative Agent or that are readily identifiable as affiliates on the basis of their name, (b) competitors identified in writing to the Administrative Agent from time to time (or affiliates thereof identified by the Borrower in writing or that are readily identifiable as affiliates on the basis of their name) of the Borrower or any of its Subsidiaries (other than such affiliate that is a bona fide debt fund or an investment vehicle that is engaged in the making, purchasing, holding or otherwise investing in commercial loans, bonds and similar extensions of credit in the ordinary course of business and whose managers have fiduciary duties to the third-party investors in such fund or investment vehicle independent from their duties owed to such competitor); provided that no such identification after the date of a relevant assignment shall apply retroactively to disqualify any person that has previously acquired an assignment or participation of an interest in any of the Credit Facilities with respect to amounts previously acquired, (c) Excluded Affiliates (it being understood that ordinary course trading activity shall not be considered to be providing advisory services for purposes of determining whether such Excluded Affiliate is a Disqualified Institution) and (d) any Defaulting Lender. The list of all Disqualified Institutions set forth in clauses (a), (b) and (d) shall be made available to all Lenders upon request.

"Dividends" or "dividends" shall have the meaning provided in [Section 10.6](#).

"Dollars" and "\$" shall mean dollars in lawful currency of the United States of America.

"Domestic Subsidiary" shall mean each Subsidiary of the Borrower that is organized under the laws of the United States or any state thereof, or the District of Columbia.

"EEA Financial Institution" means (a) any credit institution or investment firm established in any EEA Member Country which is subject to the supervision of an EEA Resolution Authority, (b) any entity established in an EEA Member Country which is a parent of an institution described in clause (a) of this definition, or (c) any financial institution established in an EEA Member Country which is a subsidiary of an institution described in clauses (a) or (b) of this definition and is subject to consolidated supervision with its parent.

"EEA Member Country" means any of the member states of the European Union, Iceland, Liechtenstein, and Norway.

"EEA Resolution Authority" means any public administrative authority or any person entrusted with public administrative authority of any EEA Member Country (including any delegatee) having responsibility for the resolution of any EEA Financial Institution.

"Employee Benefit Plan" shall mean an employee benefit plan (as defined in Section 3(3) of ERISA), other than a Foreign Plan, that is maintained or contributed to by Holdings, Borrower or any Subsidiary (or, with respect to an employee benefit plan subject to Title IV of ERISA, any ERISA Affiliate).

"Engagement Letter" shall mean that certain Amended and Restated Engagement Letter, dated February 4, 2022, among the Borrower and the Joint Lead Arrangers.

"Environmental Claims" shall mean any and all actions, suits, proceedings, orders, decrees, demands, demand letters, claims, liens, notices of noncompliance, violation or potential responsibility or investigation (other than reports prepared by or on behalf of Holdings, the Borrower or any other Subsidiary of Holdings (a) in the ordinary course of such Person's business or (b) as required in connection with a financing transaction or an acquisition or disposition of Real Estate) or proceedings in each case relating in any way to any applicable Environmental Law or any permit issued, or any Board's approval given, under any applicable Environmental Law (hereinafter, **"Claims"**), including (i) any and all Claims by Governmental Authorities for enforcement, cleanup, removal, response, remedial or other actions or damages pursuant to any applicable Environmental Law and (ii) any and all Claims by any third party seeking damages, contribution, indemnification, cost recovery, compensation or injunctive relief relating to the presence, release or threatened release into the environment of Hazardous Materials or arising from alleged injury or threat of injury to human health or safety (to the extent relating to human exposure to Hazardous Materials), or to the environment, including ambient air, indoor air, surface water, groundwater, land surface and subsurface strata and natural resources such as wetlands.

"Environmental Law" shall mean any applicable Federal, state, foreign or local statute, law, rule, regulation, ordinance, code and rule of common law now or, with respect to any post-Closing Date requirements of the Credit Documents, hereafter in effect, and in each case as amended, and any legally binding judicial or administrative interpretation thereof, including any legally binding judicial or administrative order, consent decree or judgment, relating to the protection of the environment, including ambient air, indoor air, surface water, groundwater, land surface and subsurface strata and natural resources such as wetlands, or to human health or safety (to the extent relating to human exposure to Hazardous Materials), or Hazardous Materials.

"ERCOT" shall mean the Electric Reliability Council of Texas or any other entity succeeding thereto.

"ERCOT Contracts" shall have the meaning provided in the definition of "Deemed Hedge Portfolio".

"ERISA" shall mean the Employee Retirement Income Security Act of 1974, as amended from time to time. Section references to ERISA are to ERISA as in effect on the Closing Date and any subsequent provisions of ERISA amendatory thereof, supplemental thereto or substituted therefor.

"ERISA Affiliate" shall mean each person (as defined in Section 3(9) of ERISA) that together with the Borrower or any Subsidiary of the Borrower would be deemed to be a "single employer" within the meaning of Section 414(b) or (c) of the Code or, solely for purposes of Section 302 of ERISA and Section 412 of the Code, is treated as a single employer under Section 414 of the Code.

"ERISA Event" shall mean (i) the failure of any Benefit Plan to comply with any provisions of ERISA and/or the Code or with the terms of such Benefit Plan; (ii) any Reportable Event; (iii) the existence with respect to any Benefit Plan of a non-exempt Prohibited Transaction; (iv) any failure by any Pension Plan to satisfy the minimum funding standards (within the meaning of Section 412 of the Code or Section 302 of ERISA) applicable to such Pension Plan, whether or not waived; (v) the filing pursuant to Section 412(c) of the Code or Section 302(c) of ERISA of an application for a waiver of the minimum funding standard with respect to any Pension Plan; (vi) the occurrence of any event or condition which would reasonably be expected to constitute grounds under Section 4042 of ERISA for the termination of, or the appointment of a trustee to administer, any Pension Plan or the incurrence by any Credit Party or any of its ERISA Affiliates of any liability under Title IV of ERISA with respect to the termination of any Pension Plan, including but not limited to the imposition of any Lien in favor of the PBGC or any Pension Plan; (vii) the receipt by any Credit Party or any of its ERISA Affiliates from the PBGC or a plan administrator of any written notice to terminate any Pension Plan under Section 4042(a) of ERISA or to appoint a trustee to administer any Pension Plan under Section 4042(b)(1) of ERISA; (viii) the incurrence by any Credit Party or any of its ERISA Affiliates of any liability with respect to the withdrawal or partial withdrawal from any Pension Plan (or a cessation of operations that is treated as such a withdrawal under Section 4062(e) of ERISA) or Multiemployer Plan; or (ix) the receipt by any Credit Party or any of its ERISA Affiliates of any notice concerning the imposition on it of Withdrawal Liability or a determination that a Multiemployer Plan is, or is expected to be, Insolvent or in Reorganization, or terminated (within the meaning of Section 4041A of ERISA).

"ErroneousPayment" has the meaning assigned to it in Section 12.13(a).

"Erroneous Payment Deficiency Assignment" has the meaning assigned to it in [Section 12.13\(d\)\(i\)](#).

"Erroneous Payment Impacted Class" has the meaning assigned to it in [Section 12.13\(d\)\(i\)](#).

"Erroneous Payment Return Deficiency" has the meaning assigned to it in [Section 12.13\(d\)\(i\)](#).

"Erroneous Payment Subrogation Rights" has the meaning assigned to it in [Section 12.13\(e\)](#).

"EU Bail-In Legislation Schedule" means the EU Bail-In Legislation Schedule published by the Loan Market Association (or any successor person), as in effect from time to time.

"Event of Default" shall have the meaning provided in [Section 11](#).

"Excluded Affiliates" shall mean members of any Joint Lead Arranger or any of its affiliates that are engaged as principals primarily in private equity, mezzanine financing or venture capital, including through the provision of advisory services other than a limited number of senior employees who are required, in accordance with industry regulations or such Joint Lead Arranger's internal policies and procedures to act in a supervisory capacity and the Joint Lead Arrangers' internal legal, compliance, risk management, credit or investment committee members.

"Excluded Taxes" shall mean, with respect to any Agent or any Lender, (a) net income Taxes and franchise and excise Taxes (imposed in lieu of net income Taxes) imposed on such Agent or Lender, (b) any Taxes imposed on any Agent or any Lender as a result of any current or former connection between such Agent or Lender and the jurisdiction of the Governmental Authority imposing such Tax or any political subdivision or taxing authority thereof or therein (other than any such connection arising from such Agent or Lender having executed, delivered or performed its obligations or received a payment under, or having been a party to or having enforced, this Agreement or any other Credit Document), (c) any U.S. federal withholding Tax that is imposed on amounts payable to any Lender under the law in effect at the time such Lender becomes a party to this Agreement (or designates a new lending office other than a new lending office designated at the request of the Borrower); ~~provided that~~ this [subclause \(c\)](#) shall not apply to the extent that (x) the indemnity payments or additional amounts any Lender would be entitled to receive (without regard to this [subclause \(c\)](#)) do not exceed the indemnity payment or additional amounts that the person making the assignment, participation or transfer to such Lender (or designation of a new lending office by such Lender) would have been entitled to receive in the absence of such assignment or (y) any Tax is imposed on a Lender in connection with an interest in any Revolving Credit Loan or other obligation that such Lender was required to acquire pursuant to [Section 13.8\(a\)](#) or that such Lender acquired pursuant to [Section 13.7](#) (it being understood and agreed, for the avoidance of doubt, that any withholding Tax imposed on a Lender as a result of a Change in Law occurring after the time such Lender became a party to this Agreement (or designates a new lending office) shall not be an Excluded Tax under this [subclause \(c\)](#) and (d) any Tax to the extent attributable to such Lender's failure to comply with [Sections 5.4\(d\), \(e\)](#) (in the case of any Non-U.S. Lender) or [Section 5.4\(h\)](#) (in the case of a U.S. Lender) and (f) any Taxes imposed by FATCA.

"FATCA" shall mean Sections 1471 through 1474 of the Code, as of the date of this Agreement (or any amended or successor version that is substantively comparable and not materially more onerous to comply with), any current or future Treasury regulations promulgated thereunder or official administrative interpretations thereof and any agreements entered into pursuant to Section 1471(b)(1) of the Code and any law implementing an intergovernmental approach thereto.

"Federal Funds Effective Rate" shall mean, for any day, the weighted average of the *per annum* rates on overnight federal funds transactions with members of the Federal Reserve System arranged by federal funds brokers on such day, as published on the next succeeding Business Day by the Federal Reserve Bank of New York; ~~provided that~~ (a) if such day is not a Business Day, the Federal Funds Effective Rate for such day shall be such rate on such transactions on the next preceding Business Day as so published on the next succeeding Business Day, and (b) if no such rate is so published on such next succeeding Business Day, the Federal Funds Effective Rate for such day shall be the average rate (rounded upward, if necessary, to a whole multiple of 1/100 of 1%) charged to the Administrative Agent on such day on such transactions as determined by the Administrative Agent.

"Fees" shall mean all amounts payable pursuant to, or referred to in, [Section 4.1](#).

"First Amendment" means that certain First Amendment to Credit Agreement, dated as of the First Amendment Effective Date, among Holdings, the Borrower, the other Credit Parties party thereto, the Administrative Agent, the Collateral Agent, the Lenders party thereto and the various other parties party thereto.

"First Amendment Effective Date" shall have the meaning provided in the First Amendment.

"First Lien Intercreditor Agreement" shall mean an Intercreditor Agreement among the representative of such holders of First Lien Obligations, the Collateral Representative, the Credit Parties and any other First Lien Secured Parties from time to time party thereto, whether on the Closing Date or at any time thereafter, in a form that is reasonably satisfactory in form and substance to the Borrower and the Collateral Agent (it being understood and agreed that any such intercreditor agreement otherwise permitted by the Senior Secured Credit Agreement is reasonably satisfactory).

"First Lien Obligations" shall mean, collectively, (i) the Obligations and (ii) the Indebtedness and related obligations which are permitted hereunder to be secured by Liens on the Collateral that rank *pari passu* (but without regard to the control of remedies) with the Liens securing the Obligations.

"First Lien Secured Parties" shall mean, collectively, (i) the Secured Bank Parties and (ii) the other holders from time to time of First Lien Obligations (other than the Secured Bank Parties) and any representative on their behalf for such purposes.

"Fiscal Year" shall have the meaning provided in [Section 9.10](#).

"Floor" means the benchmark rate floor, if any provided in this Agreement initially (as of the execution of this Agreement, the modification, amendment ~~initial agreement providing for such Business Combination~~ or renewal of this Agreement or otherwise) with respect to the ~~Adjusted~~-Term SOFR Rate or ~~Adjusted~~-Daily Simple SOFR. ~~For the avoidance of doubt, as of the Closing Date, the~~ [The](#) Floor for each of the ~~Adjusted~~-Term SOFR Rate and ~~Adjusted~~-Daily Simple SOFR is 0.00% ~~Safe~~.

"(c) Foreign Plan" shall mean any employee benefit plan, program, policy, arrangement or agreement maintained or contributed to by the Borrower or any of its Subsidiaries with respect to employees employed outside the United States.

"Foreign Subsidiary" shall mean each Subsidiary of the Borrower that is not a Domestic Subsidiary.

"Fourth Amendment Cause" means that certain Fourth Amendment (i) Executive's willful and continued failure to Credit Agreement, dated as perform Executive's duties with the Company; (ii) Executive's willful and continued failure to follow and comply with the written policies of the Fourth Amendment Effective Date, among Holdings, the Borrower, the other Credit Parties party thereto, the Administrative Agent, the Collateral Agent, the Lenders party thereto and the various other parties party thereto.

"Fourth Amendment Effective Date" shall have the meaning provided in the Fourth Amendment.

"Fund" shall mean any Person (other than a natural person) that is (or will be) engaged in making, purchasing, holding or otherwise investing in commercial loans and similar extensions of credit in the ordinary course.

"GAAP" shall mean generally accepted accounting principles in the United States of America, [Company](#) as in effect from time to time; ~~provided, however, that if~~ (iii) Executive's willful commission of an act of fraud or dishonesty resulting in economic or financial injury to the Borrower notifies the Administrative Agent that the Borrower requests an amendment [Company](#); (iv) Executive's willful engagement in illegal conduct or gross misconduct; (v) Executive's willful breach of this Agreement; or (vi) Executive's indictment for, conviction of, or a plea of guilty or nolo contendere to any ~~provision hereof~~ felony or other crime involving moral turpitude. No act or failure to eliminate the effect of any change occurring after the Closing Date act will be treated as willful if it is done, or omitted to be done, by Executive in [GAAP](#) good faith and with a good faith belief that such act or omission was in the application thereof on best interests of the operation of such provision (or if the Administrative Agent notifies the Borrower that the Required Lenders request an amendment to any provision hereof for such purpose), regardless of whether any such notice is given before or after such change in GAAP or in the application thereof, then such provision shall be interpreted on the basis of GAAP as in effect and applied immediately before such change shall have become effective until such notice shall have been withdrawn or such provision amended in accordance herewith, [Company](#).

(d) **"Governmental Authority Control"** shall mean any nation, sovereign or government, any state, province, territory or other political subdivision thereof, and any entity or authority exercising executive, legislative, judicial, regulatory or administrative functions of or pertaining to government, including a central bank, stock exchange, PUCT or ERCOT.

(including, with correlative meanings, the terms **"Granting Lender Controlled by"** shall have the meaning provided in [Section 13.6\(g\)](#).

and **"Guarantee"** shall mean the Guarantee made by each Guarantor in favor of the Administrative Agent for the benefit of the Secured Bank Parties, substantially in the form of [Exhibit B](#).

"Guarantors" shall mean (a) Holdings, (b) each Domestic Subsidiary (other than an Excluded Subsidiary) on the Closing Date, and (c) each Domestic Subsidiary that becomes a party to the Guarantee on or after the Closing Date pursuant to [Section 9.11](#) or otherwise.

"Hazardous Materials" shall mean (a) any petroleum or petroleum products spilled or released into the environment, radioactive materials, friable asbestos, urea formaldehyde foam insulation, polychlorinated biphenyls, and radon gas; (b) any chemicals, materials or substances defined as or included in the definition of "hazardous substances", "hazardous waste", "hazardous materials", "extremely hazardous waste", "restricted hazardous waste", "toxic substances", "toxic pollutants", "contaminants", or "pollutants", or words of similar import, under any applicable Environmental Law; and (c) any other chemical, material or substance, for which a release into the environment is prohibited, limited or regulated by any Environmental Law.

"Holdings" shall mean, (x) [Vistra Intermediate Company LLC](#), a Delaware limited liability company; or (y) any other partnership, limited partnership, corporation, limited liability company, or business trust or any successor thereto organized under the laws of the United States or any state thereof or the District of

Columbia (the “**New Holdings common Control with**”) that is a Subsidiary of Vistra Intermediate Company LLC or that has merged, amalgamated or consolidated with Vistra Intermediate Company LLC (or, in either case, the previous New Holdings, as the case may be) (the “**Previous Holdings**”); ~~provided that~~, to the extent applicable, (a) such New Holdings owns directly or indirectly 100% of the Stock and Stock Equivalents of the Borrower, (b) the New Holdings shall expressly assume all the obligations of the Previous Holdings under this Agreement and the other Credit Documents to which it is a party pursuant to a supplement hereto or thereto in form reasonably satisfactory to the Administrative Agent (provided that any such supplement substantially in the form furnished to the administrative agent under the Senior Secured Credit Agreement shall be deemed reasonably satisfactory for purposes of the foregoing), (c) such substitution and any supplements to the Credit Documents shall preserve the enforceability of the Guarantee and the perfection and priority of the Liens under the Security Documents, and New Holdings shall have delivered to the Administrative Agent an officer’s certificate to that effect and (d) all assets of the Previous Holdings are contributed or otherwise transferred to such New Holdings; ~~provided, further~~, that if the foregoing are satisfied, the Previous Holdings shall be automatically released of all its obligations under the Credit Documents and any reference to “Holdings” in the Credit Documents shall be meant to refer to

the “New Holdings”. Notwithstanding anything to the contrary contained in this Agreement, Holdings or any New Holdings may change its jurisdiction of organization or location for purposes of the UCC or its identity or type of organization or corporate structure, subject to compliance with the terms and provisions of the Pledge Agreement.

~~“Incurrence/Payment Date ICE” shall mean the third Business Day following each Calculation Date that occurs prior to the Revolving Credit Maturity Date ICE Benchmark Administration (including any successor thereto).~~

“**Indebtedness**” of any Person shall mean (a) all indebtedness of such Person for borrowed money, (b) all obligations of such Person evidenced by bonds, debentures, notes, loan agreements or other similar instruments, (c) the deferred purchase price of assets or services that in accordance with GAAP would be included as a liability on the balance sheet of such Person, (d) the face amount of all letters of credit issued for the account of such Person and, without duplication, all drafts drawn thereunder, (e) all Indebtedness of any other Person secured by any Lien on any property owned by such Person, whether or not such Indebtedness has been assumed by such Person, (f) the principal component of all Capitalized Lease Obligations of such Person, (g) the Swap Termination Value of Hedging Obligations of such Person, (h) without duplication, all Guarantee Obligations of such Person, (i) Disqualified Stock of such Person and (j) Receivables Indebtedness of such Person; ~~provided that~~ Indebtedness shall not include (i) trade and other ordinary course payables and accrued expenses arising in the ordinary course of business, (ii) deferred or prepaid revenue, (iii) purchase price holdbacks in respect of a portion of the purchase price of an asset to satisfy warranty or other unperformed obligations of the respective seller, (iv) amounts payable by and between Holdings, the Borrower and any of its Subsidiaries in connection with retail clawback or other regulatory transition issues, (v) any Indebtedness defeased by such Person or by any Subsidiary of such Person, (vi) contingent obligations incurred in the ordinary course of business, (vii) [reserved], (viii) Performance Guaranties, and (ix) earnouts until earned, due and payable and not paid for a period of thirty (30) days. The amount of Indebtedness of any Person for purposes of clause (e) shall be deemed to be equal to the lesser of (i) the aggregate unpaid principal amount of such Indebtedness and (ii) the fair market value of the property encumbered thereby as determined by such Person in good faith.

For all purposes hereof, the Indebtedness of the Borrower and the Restricted Subsidiaries shall (i) exclude all intercompany Indebtedness among the Borrower and its Subsidiaries having a term not exceeding 365 days (inclusive of any roll-over or extensions of terms) and made in the ordinary course of business, and (ii) obligations constituting Non-Recourse Debt shall only constitute “Indebtedness” for purposes of Section 10.1, Section 10.2 and Section 10.10 and not for any other purpose hereunder.

“**indemnified liabilities**” shall have the meaning provided in Section 13.5.

“**Indemnified Taxes**” shall mean all Taxes (including Other Taxes) other than (i) Excluded Taxes and (ii) any interest, penalties or expenses caused by an Agent’s or Lender’s gross negligence or willful misconduct (as determined in a final non-appealable judgment of a court of competent jurisdiction).

~~“Index Debt” means senior secured long-term indebtedness for borrowed money of the Borrower.~~

“**Initial Power Price**” shall mean, (a) with respect to each PJM Contract and ERCOT Contract in the Deemed Hedge Portfolio on the Fourth Amendment Effective Date, the specified fixed price agreed to and specified in such PJM Contract or ERCOT Contract, as applicable, as of the ~~Closing Date~~ Fourth Amendment Effective Date and (b) with respect to each PJM Contract and ERCOT Contract added to the Deemed Hedge Portfolio after the Fourth Amendment Effective Date, the settlement price of

such PJM Contract or ERCOT Contract, as applicable, as of the Calculation Date that such PJM Contract or ERCOT Contract, as applicable, was added to the Deemed Hedge Portfolio.

“**Insolvent**” shall mean, used with respect to any Multiemployer Plan, Person, means the condition that such Multiemployer Plan is insolvent within the meaning of Section 4245 of ERISA.

"Intercompany Subordinated Note" shall mean the Intercompany Note, dated as of October 3, 2016, executed by Holdings, the Borrower and each Restricted Subsidiary of the Borrower.

"Interest Period" shall mean, with respect to any Revolving Credit Loan, the interest period applicable thereto, as determined pursuant to [Section 2.9](#).

"Interim Calculation Date" shall have the meaning provided in the definition of ["Calculation Date"](#).

"Joint Lead Arrangers" shall mean (a) Citibank, N.A., Barclays Bank PLC, BMO Capital Markets Corp., BNP Paribas Securities Corp., Credit Agricole Corporate and Investment Bank, Credit Suisse Loan Funding LLC, Goldman Sachs Bank USA, JPMorgan Chase Bank, N.A., Mizuho Bank, Ltd., Morgan Stanley Senior Funding, Inc., MUFG Bank, Ltd., Natixis, New York Branch and Royal Bank of Canada, as joint lead arrangers and joint bookrunners for the Lenders under this Agreement and the other Credit Documents, (b) Citibank, N.A., as lead arranger and bookrunner with respect to the First Amendment and the transactions contemplated thereby and (c) Citibank, N.A., as lead arranger and bookrunner with respect to the Second Amendment ~~and~~, the Third [Amendment and the Fourth](#) Amendment and the transactions contemplated thereby.

"Junior Lien Intercreditor Agreement" shall mean an Intercreditor Agreement among the representative of such holders of Indebtedness junior to the Obligations, the Collateral Agent, the Collateral Trustee (if applicable), the Borrower and any other First Lien Secured Parties from time to time party thereto, whether on the Closing Date or at any time thereafter, in form and substance reasonably satisfactory to the Borrower and the Collateral Agent (it being understood and agreed that an intercreditor agreement in substantially the form of the junior lien intercreditor agreement attached as Exhibit M to the Senior Secured Credit Agreement is reasonably satisfactory).

"Lender" shall have the meaning provided in the preamble to this Agreement.

"Lender Default" shall mean (a) the refusal or failure (which has not been cured) of a Lender to make available its portion of any Borrowing that it is required to make hereunder, (b) a Lender having notified the Administrative Agent and/or the Borrower that it does not intend to comply with its funding obligations under this Agreement or has made a public statement to that effect with respect to its funding obligations under this Agreement, (c) a Lender has failed to confirm (within one Business Day after a written request for such confirmation is received by such Lender from the Administrative Agent or the Borrower) in a manner reasonably satisfactory to the Administrative Agent and the Borrower that it will comply with its funding obligations under this Agreement ([provided](#) that such Lender shall cease to be a Defaulting Lender pursuant to this clause (c) upon receipt of such written confirmation to that effect by the Administrative Agent and the Borrower (but only if such receipt of such written confirmation occurs prior to the date upon which such Lender is required to perform its funding obligations under this Agreement, in the event the receipt of the written confirmation occurs after such date then such Lender shall only cease to be a Defaulting Lender if the Borrower and Administrative Agent consent)), (d) a Lender being deemed insolvent or becoming the subject of a bankruptcy or insolvency proceeding or has admitted in writing that it is insolvent; [provided](#) that a Lender Default shall not be deemed to have occurred solely by virtue of the ownership or acquisition of any Stock in the applicable Lender or any direct or indirect parent company

thereof by a Governmental Authority so long as such ownership interest does not result in or provide the applicable Lender with immunity from the jurisdiction [possession](#) of courts within the United States or from the enforcement of judgments or writs of attachment on its assets or permit the applicable Lender (or such Governmental Authority) to reject, repudiate, disavow or disaffirm any contracts or agreements made with the applicable Lender, or (e) a Lender that has, or has a direct or indirect parent company that has, become the subject of a Bail-In Action.

"Lien" shall mean any mortgage, pledge, security interest, hypothecation, collateral assignment, lien (statutory or other) or similar encumbrance (including any conditional sale or other title retention agreement or any lease or license in the nature thereof); [provided that](#) in no event shall an operating lease be deemed to be a Lien.

"Line Cap" means, on any date of determination, the lesser of (a) the Total Revolving Credit Commitments and (b) the Borrowing Base based on the Borrowing Base Certificate that was most recently delivered (or required to have been delivered) pursuant to [Section 9.1\(i\)](#).

"Market ERCOT Power Price" shall mean, with respect to each Calculation Month, the settlement price of the ICE "ERN" Contract, "ERCOT North 345KV Real-Time Peak Fixed Price Future" as of the end of the Business Day prior to the applicable Calculation Date.

"Market PJM Power Price" shall mean, with respect to each Calculation Month, the settlement price of the ICE "PMI" Contract, "PJM Western Hub Real-Time Peak (1 MW) Fixed Price Future" as of the end of the Business Day prior to the applicable Calculation Date.

"Material Adverse Effect" shall mean any circumstances or conditions affecting the business, assets, operations, properties or financial condition of the Borrower and its Subsidiaries, taken as a whole, that would, in the aggregate, materially adversely affect (a) the ability of the Borrower and its Restricted Subsidiaries, taken as a whole, to perform their payment obligations under this Agreement or any of the other Credit Documents (taken as a whole) or (b) the material rights or remedies (taken as a whole) of the Administrative Agent, the Collateral Representative and the Lenders under the Credit Documents.

"Minimum Borrowing Amount" shall mean (a) with respect to a Borrowing of Term SOFR Loans, \$5,000,000 (or, if less, the entire remaining Revolving Credit Commitments at the time of such Borrowing), (b) with respect to a Borrowing of Daily Simple SOFR Loans, \$1,000,000 (or, if less, the entire remaining Revolving Credit Commitments at the time of such Borrowing), and (c) with respect to a Borrowing of ABR Loans, \$1,000,000 (or, if less, the entire remaining Revolving Credit Commitments at the time of such Borrowing).

"Monticello Property" means the coal-fired Monticello Power Plant, and associated property and mines located in Titus, Camp, Franklin and Hopkins Counties, Texas (as further described below).

Property Name	Description of Property	Owner of Record	County and State
Monticello Plant	Monticello coal plant, approximately 7,328 acres	Luminant Generation Company LLC	Titus and Camp, Texas
	Monticello railroad (fee and easement)	Luminant Generation Company LLC	Titus and Camp, Texas
	Monticello north loading station and railroad spur (easement)	Luminant Generation Company LLC	Titus and Camp, Texas
	Monticello lifeline easements	Luminant Generation Company LLC	Titus and Camp, Texas
	Monticello Unit 4, approximately 109 acres	Luminant Generation Company LLC	Titus and Camp, Texas
Monticello Mining	Monticello Mining	Luminant Generation Company LLC and Luminant Mining Company LLC	Camp, Franklin, Hopkins, and Titus, Texas

"Moody's" means Moody's Investors Service, Inc. and any successor thereto.

"Mortgage" shall mean a mortgage or a deed of trust, deed to secure debt, trust deed or other security document entered into by the owner of a Mortgaged Property and the Collateral Representative for the benefit of the Secured Parties in respect of that Mortgaged Property, in a form to be mutually agreed with the Administrative Agent (it being understood and agreed that any Mortgage in substantially the form as any Mortgage that is in effect as of the Closing Date is acceptable to the Administrative Agent).

"Mortgaged Property" shall mean all Real Estate (i) that is subject to a Lien securing the Priority Lien Obligations as of the Closing Date (other than the Monticello Property) and (ii) with respect to which a Mortgage is required to be granted pursuant to [Section 9.14](#).

"MTM Amount" shall mean, for any Calculation Date, the greater of (x) the sum of MTM Amount (PJM) *plus* the MTM Amount (ERCOT) and (y) zero.

"MTM Amount (ERCOT)" shall mean, for any Calculation Date and with respect to all ERCOT Contracts in the Deemed Hedge Portfolio in the aggregate, the sum of the amounts determined for each such ERCOT Contract as the product of (x) the notional amount/volume specified for such ERCOT Contract *multiplied by* (y) the average Market ERCOT Power Price for all Calculation Months *minus* the Initial Power Price of such ERCOT Contract. For the avoidance of doubt, the MTM Amount (ERCOT) may be a negative amount. [The MTM Amount \(ERCOT\) may be calculated in the aggregate for all ERCOT Contracts in the Deemed Hedge Portfolio with a weighted average Initial Power Price across all ERCOT Contracts for each Calculation Month.](#)

"MTM Amount (PJM)" shall mean, for any Calculation Date and with respect to all PJM Contracts in the Deemed Hedge Portfolio in the aggregate, the sum of the amounts determined for each such PJM Contract as the product of (x) the notional amount/volume specified for such PJM Contract *multiplied by* (y) the average Market PJM Power Price for all Calculation Months *minus* the Initial Power Price of such PJM Contract. For the avoidance of doubt, the MTM Amount (PJM) may be a negative amount. [The MTM Amount \(PJM\) may be calculated in the aggregate for all PJM Contracts in the Deemed Hedge Portfolio with a weighted average Initial Power Price across all PJM Contracts for each Calculation Month.](#)

"Multiemployer Plan" shall mean a plan that is a multiemployer plan as defined in Section 4001(a)(3) of ERISA (i) to which any of the Borrower, any Subsidiary of the Borrower or any ERISA Affiliate is then making or has an obligation to make contributions or (ii) with respect to which the Borrower, any Subsidiary of the Borrower or any ERISA Affiliate could incur liability pursuant to Title IV of ERISA.

"Non-Consenting Lender" shall have the meaning provided in [Section 13.7\(b\)](#).

"Non-Defaulting Lender" shall mean and include each Lender other than a Defaulting Lender.

"Non-U.S. Lender" shall mean any Agent or Lender that is not, for U.S. federal income tax purposes, (a) an individual who is a citizen or resident of the U.S., (b) a corporation, partnership or entity treated as a corporation or partnership created or organized in or under the laws of the U.S., or any political subdivision thereof, (c) an estate whose income is subject to U.S. federal income taxation regardless of its source or (d) a trust if a court within the U.S. is able to exercise primary supervision over the administration of such trust and one or more U.S. persons have the authority to control all substantial decisions of such trust or a trust that has a valid election in effect under applicable U.S. Treasury regulations to be treated as a U.S. person.

"Notice of Borrowing" shall mean a request of the Borrower substantially in the form of Exhibit A or such other form as shall be approved by the Administrative Agent (acting reasonably).

"Notice of Conversion or Continuation" shall have the meaning provided in Section 2.6.

"NYFRB" means the Federal Reserve Bank of New York.

"NYFRB's Website" means the website of the NYFRB at <http://www.newyorkfed.org>, or any successor source.

"Obligations" shall mean all advances to, and debts, liabilities, obligations, covenants and duties of, any Credit Party arising under any Credit Document or otherwise with respect to any Revolving Credit Loans, in each case, entered into with Holdings, the Borrower or any Restricted Subsidiary, whether direct or indirect (including those acquired by assumption), absolute or contingent, due or to become due, now existing or hereafter arising and including interest and fees that accrue after the commencement by or against any Credit Party of any proceeding under any bankruptcy or insolvency law naming such Person as the debtor in such proceeding, regardless of whether such interest and fees are allowed claims in such proceeding, in each case, other than RCT Reclamation Obligations and Permitted Other Debt Obligations secured pursuant to the Security Documents. Without limiting the generality of the foregoing, the Obligations of the Credit Parties under the Credit Documents (and any of their Restricted Subsidiaries to the extent they have obligations under the Credit Documents) (i) include the obligation (including guarantee obligations) to pay principal, interest, charges, expenses, fees, attorney costs, indemnities and other amounts

payable by any Credit Party under any Credit Document and any obligations with respect to any Erroneous Payment Subrogation Rights and (ii) exclude, notwithstanding any term or condition in this Agreement or any other Credit Documents, RCT Reclamation Obligations and Permitted Other Debt Obligations secured pursuant to the Security Documents.

"Organizational Documents" shall mean, (a) with respect to any corporation, the certificate or articles of incorporation and the bylaws (or equivalent or comparable constitutive documents with respect to any non-U.S. jurisdiction), (b) with respect to any limited liability company, the certificate or articles of formation or organization and operating agreement and (c) with respect to any partnership, joint venture, trust or other form of business entity, the partnership, joint venture or other applicable agreement of formation or organization and, if applicable, any agreement, instrument, filing or notice with respect thereto filed in connection with its formation or organization with the applicable Governmental Authority in the jurisdiction of its formation or organization and, if applicable, any certificate or articles of formation or organization of such entity.

"Other Taxes" shall mean any and all present or future stamp, registration, documentary or any other excise, property or similar taxes (including interest, fines, penalties, additions to tax and related expenses with regard thereto) arising from any payment made or required to be made under this Agreement or any other Credit Document or from the execution or delivery of, registration or enforcement of, consummation or administration of, or otherwise with respect to, this Agreement or any other Credit Document.

"Overnight Rate" shall mean, for any day, the greater of (a) the Federal Funds Effective Rate and (b) an overnight rate determined by the Administrative Agent in accordance with banking industry rules on interbank compensation.

"Participant" shall have the meaning provided in Section 13.6(c)(i).

"Participant Register" shall have the meaning provided in Section 13.6(c)(iii).

"Patriot Act" shall have the meaning provided in Section 13.8.

"Payment Default" shall mean any event, act or condition that with notice or lapse of time, or both, would constitute an Event of Default under Section 11.1.

"Payment Recipient" has the meaning assigned to it in Section 12.13(a).

"PBGC" shall mean the Pension Benefit Guaranty Corporation established pursuant to Section 4002 of ERISA, or any successor thereto.

"Pension Act" shall mean the Pension Protection Act of 2006, as it presently exists or as it may be amended from time to time.

"Pension Plan" shall mean any employee pension benefit plan (as defined in Section 3(2) of ERISA, but excluding any Multiemployer Plan) in respect of which any Credit Party or any ERISA Affiliate is (or, if such plan were terminated, would under Section 4062 or Section 4069 of ERISA be reasonably

expected to be deemed to be) an “employer” as defined in Section 3(5) of ERISA.

“**Person**” shall mean any individual, partnership, joint venture, firm, corporation, limited liability company, association, trust or other enterprise or any Governmental Authority.

“**PJM Contracts**” shall have the meaning provided in the definition of “Deemed Hedge Portfolio”.

“**Platform**” shall have the meaning provided in Section 13.17(c).

“**Pledge Agreement**” shall mean (a) the Amended and Restated Pledge Agreement, dated as of October 3, 2016 (as the same may be amended, restated, amended and restated, supplemented or otherwise modified or replaced from time to time), entered into by the Credit Parties party thereto, the Collateral Agent (as defined in the Senior Secured Credit Agreement), the Collateral Trustee and the Collateral Representative for the benefit of the Secured Parties, and (b) any other Pledge Agreement with respect to any or all of the Obligations delivered pursuant to Section 9.12.

“**Priority Lien Obligations**” shall have the meaning provided in the Collateral Trust Agreement.

“**Prohibited Transaction**” shall have the meaning assigned to such term in Section 406 of ERISA or Section 4975(c) of the Code.

“**Projections**” shall have the meaning provided in Section 9.1(g).

“**PUCT**” shall mean the Public Utility Commission of Texas or any successor.

“**RCT**” shall mean the Railroad Commission of Texas.

“**RCT Reclamation Obligations**” shall mean all amounts required to be paid by the Credit Parties or their Subsidiaries to the RCT or the State of Texas (x) in respect of reclamation obligations incurred by the RCT (or which may be incurred by the RCT) and for which any of the Credit Parties or their Subsidiaries may be liable under Applicable Law and (y) in respect of any other First-Out Obligations (as defined in the Collateral Trust Agreement).

“**Reaffirmation Agreement**” shall mean the Reaffirmation Agreement, dated as of the Closing Date (as the same may be amended, restated, amended and restated, supplemented or otherwise modified or replaced from time to time), entered into by the Credit Parties party thereto and acknowledged by the Collateral Trustee.

“**Real Estate**” shall mean any interest in land, buildings and improvements owned, leased or otherwise held by any Credit Party, but excluding all operating fixtures and equipment.

“**Reference Time**” with respect to any setting of the then-current Benchmark means (1) if such Benchmark is the Term SOFR Rate, 6:00 a.m. (New York time) on the day that is two U.S. Government Securities Business Days preceding the date of such setting and (2) if such Benchmark is not the Term SOFR Rate, the time determined by the Administrative Agent in its reasonable discretion.

“**Register**” shall have the meaning provided in Section 13.6(b)(iv).

“**Regulation T**” shall mean Regulation T of the Board as from time to time in effect and any successor to all or a portion thereof establishing margin requirements.

“**Regulation U**” shall mean Regulation U of the Board as from time to time in effect and any successor to all or a portion thereof establishing margin requirements.

“**Regulation X**” shall mean Regulation X of the Board as from time to time in effect and any successor to all or a portion thereof establishing margin requirements.

“**Related Parties**” shall mean, with respect to any specified Person, such Person's Affiliates and the directors, officers, employees, agents, trustees and advisors of such Person and any Person that possesses, directly or indirectly, the power to direct or cause the direction of the management or policies of such Person, whether through the ability to exercise ownership of voting power, securities or by contract or otherwise. contract.

(e) “**Relevant Governmental Body Disability**” means Executive would be entitled to long-term disability benefits under the Company's long-term disability plan as in effect from time to time, without regard to any waiting or elimination period under such plan and assuming for the purpose of such determination that Executive is actually participating in such plan at such time. If the Company does not maintain a long-term disability plan, “**Disability**” means Executive's inability to perform Executive's duties and responsibilities hereunder on a full-time basis for a consecutive period of one hundred eighty (180) days due to physical or mental illness or incapacity that is determined to be total and permanent by a physician selected by the Company or its insurers and reasonably acceptable to Executive or Executive's legal representative.

(f) **"Good Reason"** means the Board and/or occurrence, without the consent of Executive, of either of the following events: (i) any material diminution of, or the NYFRB, the CME Term SOFR Administrator, as applicable, modification to, Executive's title, duties, responsibilities, authorities, or terms of employment set forth in Section 3, or a committee officially endorsed requirement that Executive report to someone other than the Board of Directors of the Company (the **"Board"**); or convened (ii) any breach by the Board and/or the NYFRB or, in each case, any successor thereto.

"Reorganization" shall mean, with respect to any Multiemployer Plan, the condition that such plan is in reorganization within the meaning Company of Section 4241 of ERISA.

"Reportable Event" shall mean an event described in Section 4043 of ERISA and the regulations thereunder, other than any event as to which the thirty day notice period has been waived.

"Required Lenders" shall mean, at any date, Non-Defaulting Lenders having or holding a majority of the sum of the Adjusted Total Revolving Credit Commitment at such date (or, if the Total Revolving Credit Commitment has been terminated or for the purposes of acceleration pursuant to Section 11, the Aggregate Revolving Credit Outstandings (excluding the Revolving Credit Loans of Defaulting Lenders) at such date).

"Requirement of Law" shall mean, as to any Person, and any law, treaty, rule, or regulation or determination of an arbitrator or a court or other Governmental Authority, in each case applicable to or binding upon such Person or any of its property or assets or material obligations to which such Person or any of its property or assets is subject.

"Revolving Credit Commitment" Executive. Prior to resigning for Good Reason, Executive shall mean, (a) with respect to each Lender on the ~~Third~~Fourth Amendment Effective Date, the amount set forth opposite such Lender's name on Schedule 1.1(a) (as amended by the ~~Third~~Fourth Amendment) as such Lender's "Revolving Credit Commitment" and (b) in the case of any Lender that becomes a Lender after the ~~Third~~Fourth Amendment Effective Date, the amount specified as such Lender's "Revolving Credit Commitment" in the Assignment and Acceptance pursuant to which such Lender assumed a portion of the Total Revolving Credit Commitment, in each case as such Revolving Credit Commitment may be changed from time to time pursuant give written notice to the terms hereof, the terms of the First Amendment, the terms of the Second Amendment ~~or~~, the terms of the Third Amendment or the terms of the Fourth Amendment. On the Closing Date and prior to the First Amendment Effective Date, the aggregate amount of the Revolving Credit Commitments of all Lenders was \$1,000,000,000. On the First Amendment Effective Date and prior to the Second Amendment Effective Date, the aggregate amount of the Revolving Credit Commitments of all Lenders was \$2,000,000,000. On the Second Amendment Effective Date and prior to the Third Amendment Effective Date, the aggregate amount of the Revolving Credit Commitments of all Lenders was \$2,200,000,000. On the Third Amendment Effective Date and prior to the Fourth Amendment Effective Date, the aggregate amount of the Revolving Credit Commitments of all Lenders was \$2,250,000,000. On the Fourth Amendment Effective Date, the aggregate amount of the Revolving Credit Commitments of all Lenders is \$2,250,000,000.

"RevolvingCreditCommitment Fee" shall have the meaning provided in Section 4.1(a).

"Revolving CreditCommitment Fee Rate" shall have the meaning provided in the definition of **"Applicable Margin"**.

"Revolving Credit Commitment Percentage" shall mean at any time, for each Lender, the percentage obtained by dividing (a) such Lender's Revolving Credit Commitment at such time by (b) the amount of the Total Revolving Credit Commitment at such time; providedthat at any time when the Total Revolving Credit Commitment shall have been terminated, each Lender's Revolving Credit Commitment Percentage shall be the percentage obtained by dividing (a) such Lender's Revolving Credit Exposure at such time by (b) the Revolving Credit Exposure of all Lenders at such time.

"Revolving Credit Exposure" shall mean, with respect to any Lender at any time, the aggregate principal amount of the Revolving Credit Loans of such Lender then-outstanding.

"Revolving Credit Facility" shall mean the revolving credit facility represented by the Revolving Credit Commitments.

"Revolving Credit Lender" shall have the meaning provided in the preamble to this Agreement.

"Revolving Credit Loans" shall mean the loans made by a Revolving Credit Lender pursuant to Section 2.1(c).

"Revolving Credit Maturity Date" shall mean October ~~54, 2022~~2023.

"Revolving Credit Termination Date" shall mean the earlier to occur of (a) the Revolving Credit Maturity Date and (b) the date on which the Revolving Credit Commitments shall have terminated pursuant to the terms hereof.

"S&P" means Standard & Poor's Rating Services, a Standard & Poor's Financial Services LLC business, and any successor thereto.

"Sanctions" shall have the meaning provided in Section 8.19.

"Sanctions Laws" shall have the meaning provided in [Section 8.19](#).

"SEC" shall mean the Securities and Exchange Commission or any successor thereto.

"Second Amendment" means that certain Second Amendment, dated as of Second Amendment Effective Date, among Holdings, the Borrower, the other Credit Parties, the Administrative Agent, the Collateral Agent, the Lenders party thereto and the various other parties party thereto.

"Second Amendment Effective Date" shall have the meaning provided in the Second Amendment.

"Section 9.1 Financials" shall mean the financial statements delivered, or required to be delivered, pursuant to [Section 9.1\(a\)](#) or [9.1\(b\)](#) together with the accompanying officer's certificate delivered, or required to be delivered, pursuant to [Section 9.1\(c\)](#).

"Secured Bank Parties" shall mean the Administrative Agent, the Collateral Agent, each Lender and each sub-agent pursuant to [Section 12](#) appointed by the Administrative Agent with respect to matters relating to the Revolving Credit Facility or appointed by the Collateral Agent with respect to matters relating to any Security Document.

"Secured Parties" shall mean the Secured Bank Parties, the Collateral Trustee (for so long as the Collateral Trust Agreement is in effect), the RCT (at all times prior to the Discharge of the First-Out Obligations (as defined in the Collateral Trust Agreement)), each other First Lien Secured Party (other than the Secured Bank Parties) and each sub-agent appointed by the Collateral Representative with respect to matters relating to any Security Document.

"Security Agreement" shall mean the Amended and Restated Security Agreement, dated as of October 3, 2016 (as the same may be amended, restated, amended and restated, supplemented or otherwise modified or replaced from time to time), entered into by the Borrower, the other grantors party thereto, the Collateral Agent (as defined in the Senior Secured Credit Agreement), the Collateral Trustee and the Collateral Representative for the benefit of the Secured Parties.

"Security Documents" shall mean, collectively, (a) the Security Agreement, (b) the Pledge Agreement, (c) the Reaffirmation Agreement, (d) the Mortgages, (e) the Collateral Trust Agreement, the First Lien Intercreditor Agreement, the Junior Lien Intercreditor Agreement, and any other intercreditor agreement executed and delivered pursuant to [Section 10.2](#) and (f) each other security agreement or other instrument or document executed and delivered pursuant to [Section 9.11](#), [9.12](#), or [9.14](#) or pursuant to any other such Security Documents.

"Senior Secured Credit Agreement" shall mean the Credit Agreement, dated as of October 3, 2016, among [Vistra Intermediate Company LLC](#), as Holdings, [Vistra Operations Company LLC](#), as the Borrower, the lenders party thereto from time to time, the letter of credit issuers party thereto from time to time, [Credit Suisse AG, Cayman Islands Branch](#), as administrative agent and collateral agent, and the other parties thereto from time to time (as the same has been amended, restated, supplemented, waived, refinanced, replaced and/or otherwise modified from time to time prior to the [Closing Fourth Amendment Effective Date](#)). For the avoidance of doubt, unless otherwise expressly specified herein, all references in this Agreement to the Senior Secured Credit Agreement shall be deemed to be references to the Senior Secured Credit Agreement as in effect on the [Closing Fourth Amendment Effective Date](#) (without regard for any future termination of the Senior Secured Credit Agreement).

"SOFR" means a rate equal to the secured overnight financing rate as administered by the NYFRB (or a successor administrator of the secured overnight financing rate).

"SOFR Administrator" means the NYFRB (or a successor administrator of the secured overnight financing rate).

"SOFR Administrator's Website" means the NYFRB's website, currently at <http://www.newyorkfed.org>, or any successor source for the secured overnight financing rate identified as such by the SOFR Administrator from time to time.

"SOFR Borrowing" means, as to any Borrowing, the SOFR Loans comprising such Borrowing.

"SOFR Determination Date" has the meaning provided in the definition of "Daily Simple SOFR".

"SOFR Loan" means a Term SOFR Loan and/or a Daily Simple SOFR Loan, as the context may require.

"SOFR Rate Day" has the meaning provided in the definition of "Daily Simple SOFR".

"Solvent" shall mean, with respect to any Person, that as of the applicable date of determination, (i) the present fair saleable value of the property (on a going concern basis) of such Person is greater than the amount that will be required to pay the probable liability, on a consolidated basis, of their debts and other liabilities, subordinated, contingent or otherwise, as such debts and other liabilities become absolute and matured in the ordinary course of business, (ii) such Person is not engaged in, and are not about to engage in, business contemplated as of the applicable date of determination for which they have unreasonably small capital and (iii) such Person is able to pay their debts and liabilities, subordinated, contingent or otherwise, as such liabilities become absolute and matured in the

ordinary course of business, and (iv) the fair value of the assets (on a going concern basis) of such Person exceeds, their debts and liabilities, subordinated, contingent or otherwise. For purposes of this definition, the amount of any contingent liability at any time shall be computed as the amount that, in light of all of the facts and circumstances existing at claimed to provide a basis for such time, represents resignation not more than sixty (60) days following Executive's knowledge of such facts and circumstances, and the amount Company shall

have ten (10) business days after receipt of such notice to cure (and if so cured, Executive shall not be permitted to resign for Good Reason in respect thereof) and Executive shall resign within ten (10) business days following the Company's failure to cure; provided that, can reasonably in the event that the circumstances giving rise to Executive's resignation are due to a change in reporting structure as described in (i) above, Executive's resignation shall be expected to become effective six (6) months following such change unless an actual or matured liability (irrespective of whether such contingent liabilities meet earlier date is determined by the criteria for accrual under Statement of Financial Accounting Standard No. 5). Company.

(g) "Specified Default Person" shall mean means any Event of Default under Sections 11.1 or 11.5.

"SPV" shall have the meaning provided in Section 13.6(g).

"Stock" shall mean shares of capital stock or shares in the capital, as the case may be (whether denominated as common stock or preferred stock or ordinary shares or preferred shares, as the case may be), beneficial, partnership or membership interests, participations or other equivalents (regardless of how designated) of or in a individual, firm, corporation, partnership, limited liability company, trust, joint venture, association, unincorporated entity, or equivalent entity, whether voting or non-voting, provided that any instrument evidencing Indebtedness convertible or exchangeable for Stock shall not be deemed to be Stock unless and until such instrument is so converted or exchanged. other entity.

"3. Stock Equivalents" shall mean all securities convertible into or exchangeable for Stock Duties and all warrants, options or other rights to purchase or subscribe for any Stock, whether or not presently convertible, exchangeable or exercisable, provided that Responsibilities, any instrument evidencing Indebtedness convertible or exchangeable for Stock Equivalents shall not be deemed to be Stock Equivalents unless The Company employs Executive, and until such instrument is so converted or exchanged.

"Subsidiary" of any Person shall mean and include (a) any corporation more than 50% of whose Stock of any class or classes having by the terms thereof ordinary voting power to elect a majority of the directors of such corporation (irrespective of whether or not at the time Stock of any class or classes of such corporation shall have or might have voting power by reason of the happening of any contingency) is at the time owned by such Person directly or indirectly through Subsidiaries and (b) any limited liability company, partnership, association, joint venture or other entity of which such Person directly or indirectly through Subsidiaries has more than a 50% equity interest at the time or is a controlling general partner. Unless otherwise expressly provided, all references herein to a "Subsidiary" shall mean a Subsidiary of the Borrower.

"Subsidiary Guarantor" shall mean each Guarantor that is a Subsidiary of the Borrower.

"Supermajority Lenders" shall mean, at any date, Non-Defaulting Lenders having or holding at least 67% of the sum of the Adjusted Total Revolving Credit Commitment at such date (or, if the Total Revolving Credit Commitment has been terminated or for the purposes of acceleration pursuant to Section 11, the Aggregate Revolving Credit Outstandings (excluding the Revolving Credit Loans of Defaulting Lenders) at such date).

"Sustainability Adjustments" shall mean any adjustments to the percentages per annum set forth in the definition of Applicable Margin, as further described in (and Executive accepts employment, subject to the provisions of) Schedule A attached hereto.

"Taxes" shall mean any and all present or future taxes, duties, levies, imposts, assessments, deductions, withholdings or other similar charges imposed by any Governmental Authority whether computed on a separate, consolidated, unitary, combined or other basis and any interest, fines, penalties or additions to tax with respect to the foregoing.

"Term SOFR Determination Day" has the meaning specified in the definition of Term SOFR Reference Rate.

"Term SOFR Loan" means a Revolving Credit Loan bearing interest at a rate based on the ~~Adjusted~~ Term SOFR Rate, other than pursuant to clause (c) of the definition of "ABR".

"Term SOFR Rate" means, for any tenor comparable to the applicable Interest Period, the Term SOFR Reference Rate at approximately 6:00 a.m., New York time, two U.S. Government Securities Business Days prior to the commencement of such tenor comparable to the applicable Interest Period, as such rate is published by the CME Term SOFR Administrator; provided, that if the Term SOFR Rate as so determined would be less than the Floor, such rate shall be deemed to be equal to the Floor for the purposes of this Agreement.

"Term SOFR Reference Rate" means, for any day and time (such day, the **"Term SOFR Determination Day"**), for any tenor comparable to the applicable Interest Period, the rate per annum determined by the Administrative Agent as the forward-looking term rate based on SOFR. If by 5:00 pm (New York City time) such Term SOFR Determination Day, the "Term SOFR Reference Rate" for the applicable tenor has not been published by the CME Term SOFR Administrator and a Benchmark Replacement Date with respect to the Term SOFR Rate has not occurred, then the Term SOFR Reference Rate for such Term SOFR Determination Day will be the Term SOFR Reference Rate as published in respect of the first preceding U.S. Government Securities Business Day for which such Term SOFR Reference Rate was published by the CME Term SOFR Administrator, so long as such first preceding Business Day is not more than five (5) Business Days prior to such Term SOFR Determination Day.

"Test Period" shall mean, for any determination under this Agreement, the four consecutive fiscal quarters of the Borrower then last ended and for which Section 9.1 Financials have been or were required to have been delivered (or, for purposes of any calculation of a financial ratio under this Agreement, for which the financial statements described in Section 9.1(a) or (b) are otherwise available).

"Third Amendment" means that certain Third Amendment, dated as of Third Amendment Effective Date, among Holdings, the Borrower, the other Credit Parties, the Administrative Agent, the Collateral Agent, the Lenders party thereto and the various other parties party thereto.

"Third Amendment Effective Date" shall have the meaning provided in the Third Amendment.

"Total Revolving Credit Commitment" shall mean the sum of the Revolving Credit Commitments of all the Lenders.

"Transactions" shall mean, collectively, the transactions contemplated by this Agreement to occur on or around the Closing Date (including the entering into and funding hereunder) and the payment

of the fees, costs, liabilities and expenses in connection with each of the foregoing and the consummation of any other transaction connected with the foregoing.

"Transferee" shall have the meaning provided in Section 13.6(e).

"Trust Indenture Act" shall have the meaning provided in Section 12.11.

"Type" shall mean, as to any Revolving Credit Loan, its nature as an ABR Loan, a Term SOFR Loan or a Daily Simple SOFR Loan.

"UCC" shall mean the Uniform Commercial Code of the State of New York or the State of Texas, as applicable, or of any other state the laws of which are required to be applied in connection with the perfection of security interests in any Collateral.

"UK Financial Institution" means any BRRD Undertaking (as such term is defined under the PRA Rulebook (as amended from time to time) promulgated by the United Kingdom Prudential Regulation Authority) or any person falling within IFPRU 11.6 of the FCA Handbook (as amended from time to time) promulgated by the United Kingdom Financial Conduct Authority, which includes certain credit institutions and investment firms, and certain affiliates of such credit institutions or investment firms.

"UK Resolution Authority" means the Bank of England or any other public administrative authority having responsibility for the resolution of any UK Financial Institution.

"Unadjusted Benchmark Replacement" means the applicable Benchmark Replacement excluding the related Benchmark Replacement Adjustment.

"Unfunded Current Liability" of any Plan shall mean the amount, if any, by which the Accumulated Benefit Obligation (as defined under Statement of Financial Accounting Standards No. 87 ("**SFAS 87**")) under the Plan as of the close of its most recent plan year, determined in accordance with SFAS 87 as in effect on the Closing Date, exceeds the fair market value of the assets allocable thereto.

"Unrestricted Cash" shall mean, without duplication, (a) all cash and Permitted Investments included in the cash and Permitted Investments accounts listed on the consolidated balance sheet of the Borrower and the Restricted Subsidiaries as at such date (other than any such amounts listed as "restricted

cash" thereon) and (b) all margin deposits related to commodity positions listed as assets on the consolidated balance sheet of the Borrower and the Restricted Subsidiaries; provided that Unrestricted Cash shall not include any amounts on deposit in or credited to any Term C Loan Collateral Account, if any.

"Unused Revolving Commitment" shall mean, as of any date, an amount equal to the excess, if any, of (a) the amount of the Total Revolving Credit Commitment over (b) the Aggregate Revolving Credit Outstandings.

"U.S. Government Securities Business Day" means any day except for (i) a Saturday, (ii) a Sunday or (iii) a day on which the Securities Industry and Financial Markets Association recommends that the fixed income departments of its members be closed for the entire day for purposes of trading in United States government securities.

"U.S. Lender" shall have the meaning provided in Section 5.4(h).

"Wholly Owned" shall mean, with respect to the ownership by a Person of a Subsidiary, that all of the Stock of such Subsidiary (other than directors' qualifying shares or nominee or other similar

shares required pursuant to Applicable Law) are owned by such Person or another Wholly Owned Subsidiary of such Person.

"Withdrawal Liability" shall mean liability to a Multiemployer Plan as a result of a complete or partial withdrawal from such Multiemployer Plan, as such terms are defined in Title IV of ERISA.

"Write-Down and Conversion Powers" means, (a) with respect to any EEA Resolution Authority, the write-down and conversion powers of such EEA Resolution Authority from time to time under the Bail-In Legislation for the applicable EEA Member Country, which write-down and conversion powers are described in the EU Bail-In Legislation Schedule and (b) with respect to the United Kingdom, any powers of the applicable Resolution Authority under the Bail-In Legislation to cancel, reduce, modify or change the form of a liability of any UK Financial Institution or any contract or instrument under which that liability arises, to convert all or part of that liability into shares, securities or obligations of that person or any other person, to provide that any such contract or instrument is to have effect as if a right had been exercised under it or to suspend any obligation in respect of that liability or any of the powers under that Bail-In Legislation that are related to or ancillary to any of those powers.

1.2. Other Interpretive Provisions. With reference to this Agreement and each other Credit Document, unless otherwise specified herein or in such other Credit Document:

(a) The meanings of defined terms are equally applicable to the singular and plural forms of the defined terms.

(b) The words "herein", "hereto", "hereof" and "hereunder" and words of similar import when used in any Credit Document shall refer to such Credit Document as a whole and not to any particular provision thereof.

(c) Article, Section, Exhibit and Schedule references are to the Credit Document in which such reference appears.

(d) The term "including" is by way of example and not limitation.

(e) The term "documents" includes any and all instruments, documents, agreements, certificates, notices, reports, financial statements and other writings, however evidenced, whether in physical or electronic form.

(f) The words "asset" and "property" shall be construed to have the same meaning and effect and refer to any and all tangible and intangible assets and properties, including cash, securities, accounts and contract rights.

(g) All references to "knowledge" or "awareness" of any Credit Party or a Restricted Subsidiary thereof means the actual knowledge of an Authorized Officer of a Credit Party or such Restricted Subsidiary.

(h) In the computation of periods of time from a specified date to a later specified date, the word "from" means "from and including"; the words "to" and "until" each mean "to but excluding"; and the word "through" means "to and including".

(i) Any reference herein to any Person shall be construed to include such Person's successors and permitted assigns and, in the case of any Governmental Authority, any other Governmental Authority that shall have succeeded to any or all of the functions thereof.

(j) Section headings herein and in the other Credit Documents are included for convenience of reference only and shall not affect the interpretation of this Agreement or any other Credit Document.

(k) [Reserved].

(l) All references to “in the ordinary course of business” of the Borrower or any Subsidiary thereof means (i) in the ordinary course of business of, or in furtherance of an objective that is in the ordinary course of business of the Borrower or such Subsidiary, as applicable, (ii) customary and usual in the industry or industries of the Borrower and its Subsidiaries in the United States or any other jurisdiction in which the Borrower or any Subsidiary does business, as applicable, or (iii) generally consistent with the past or current practice of the Borrower or such Subsidiary, as applicable, or any similarly situated businesses in the United States or any other jurisdiction in which the Borrower or any Subsidiary does business, as applicable.

(m) All references herein to the Senior Secured Credit Agreement or any provision contained therein (including references to the Senior Secured Credit Agreement contained in Sections 9 and 10 hereof) shall be read to incorporate the applicable provision thereof in its entirety herein as the applicable provision is in effect on the Closing Date (without regard for any future termination of the Senior Secured Credit Agreement), *mutatis mutandis*.

1.3. Accounting Terms. Section 1.3 of the Senior Secured Credit Agreement is hereby incorporated by reference in its entirety, *mutatis mutandis*.

1.4. Rounding. Any financial ratios required to be maintained by the Borrower pursuant to this Agreement (or required to be satisfied in order for a specific action to be permitted under this Agreement) shall be calculated by dividing the appropriate component by the other component, carrying the result to one place more than the number of places by which such ratio is expressed herein and rounding the result up or down to the nearest number (with a rounding-up if there is no nearest number).

1.5. References to Agreements, Laws, Etc. Unless otherwise expressly provided herein, (a) references to organizational documents, agreements (including the Credit Documents but, for the avoidance of doubt, excluding the Senior Secured Credit Agreement) and other Contractual Requirements shall be deemed to include all subsequent amendments, restatements, amendment and restatements, extensions, supplements and other modifications thereto, but only to the extent that such amendments, restatements, amendment and restatements, extensions, supplements and other modifications are not prohibited by any Credit Document and (b) references to any Requirement of Law shall include all statutory and regulatory provisions consolidating, amending, replacing, supplementing or interpreting such Requirement of Law.

1.6. Times of Day. Unless otherwise specified, all references herein to times of day shall be references to New York City time (daylight or standard, as applicable).

1.7. Timing of Payment or Performance. When the payment of any obligation or the performance of any covenant, duty or obligation is stated to be due or performance required on a day which is not a Business Day, the date of such payment (other than as described in the definition of Interest Period) or performance shall extend to the immediately succeeding Business Day.

1.8. Currency Equivalents Generally. Section 1.8 of the Senior Secured Credit Agreement is hereby incorporated by reference in its entirety, *mutatis mutandis*.

1.9. Interest Rates; Benchmark Notification. The interest rate on any Revolving Credit Loan may be derived from an interest rate benchmark that may be discontinued or is, or may in the future become, the subject of regulatory reform. Upon the occurrence of a Benchmark Transition Event, Section 2.10 provides a mechanism for determining an alternative rate of interest. The Administrative Agent does not warrant or accept any responsibility for, and shall not have any liability with respect to, the administration, submission, performance or any other matter related to any interest rate used in this Agreement, or with respect to any alternative or successor rate thereto, or replacement rate thereof, including without limitation, whether the composition or characteristics of any such alternative, successor or replacement reference rate will be similar to, or produce the same value or economic equivalence of, the existing interest rate being replaced or have the same volume or liquidity as did any existing interest rate prior to its discontinuance or unavailability. The Administrative Agent and its affiliates and/or other related entities may engage in transactions that affect the calculation of any interest rate used in this Agreement or any alternative, successor or alternative rate (including any Benchmark Replacement) and/or any relevant adjustments thereto, in each case, in a manner adverse to the Borrower. The Administrative Agent may select information sources or services in its reasonable discretion to ascertain any interest rate used in this Agreement, any component thereof, or rates referenced in the definition thereof, in each case pursuant to the terms of this Agreement, and shall have no liability to the Borrower, any Lender or any other person or entity for damages of any kind, including direct or indirect, special, punitive, incidental or consequential damages, costs, losses or expenses (whether in tort, contract or otherwise and whether at law or in equity), for any error or calculation of any such rate (or component thereof) provided by any such information source or service.

1.10. Hedging Agreements. Section 1.10 of the Senior Secured Credit Agreement is hereby incorporated by reference in its entirety, *mutatis mutandis*.

1.11. Limited Condition Transactions. Section 1.11 of the Senior Secured Credit Agreement is hereby incorporated by reference in its entirety, *mutatis mutandis*.

1.12. Divisions. For all purposes under the Credit Documents, in connection with any division or plan of division under Delaware law (or any comparable event under a different jurisdiction's laws): (a) if any asset, right, obligation or liability of any Person becomes the asset, right, obligation or liability of a

different Person, then it shall be deemed to have been transferred from the original Person to the subsequent Person, and (b) if any new Person comes into existence, such new Person shall be deemed to have been organized on the first date of its existence by the holders of its Stock at such time.

Section 2. Amount and Terms of Credit

2.1 Revolving Credit Commitments.

(a) [Reserved].

(b) [Reserved].

(c) (i) Subject to and upon the terms and conditions set forth in this Agreement, each Revolving Credit Lender having a Revolving Credit Commitment severally but, not jointly, contained herein, during the Term, as the President and Chief Executive Officer. During the Term, Executive agrees to make Revolving Credit Loans in Dollars be employed by and devote all of Executive's business time and attention to the Borrower.

(i) Such Revolving Credit Loans (A) shall be made pursuant to Company and the procedures set forth in Section 2.3 ~~that~~ any Incurrence/Payment Date time and from time to time after the Closing Date and prior to the Revolving Credit Termination Date, (B) may, at the option promotion of the Borrower, be incurred and maintained as, and/or converted into, ABR Loans or SOFR Loans; provided that all Revolving Credit Loans made by each of the Lenders pursuant to the same Borrowing shall, unless otherwise specifically provided herein, consist entirely of Revolving Credit Loans of the same Type, (C) may be repaid and reborrowed in accordance with the provisions hereof, (D) shall not, for any Lender at any time, after giving effect thereto its interests and to the application of the proceeds thereof, result in such Lender's Revolving Credit Exposure at such time exceeding such Lender's Revolving Credit Commitment at such time, and (E) shall not, after giving effect thereto and to the application of the proceeds thereof, result at any time in the Aggregate Revolving Credit Outstandings at such time exceeding the Line Cap.

~~(d) No Credit Event may occur on any date other than an Incurrence/Payment Date.~~

(d) ~~(e)~~ Each Lender may at its option make any SOFR Loan by causing any domestic or foreign branch or Affiliate of such Lender to make such Revolving Credit Loan; provided that (A) any exercise of such option shall not affect the obligation of the Borrower to repay such Revolving Credit Loan and (B) in exercising such option, such Lender shall use its reasonable Executive's best efforts to minimize any increased costs to faithfully and diligently serve the Borrower resulting therefrom (which obligation of the Lender shall not require it to take, or refrain from taking, actions that it determines would result in material increased costs for which it will not be compensated hereunder or that it determines would be otherwise disadvantageous in any material respect to it and in the event of such request for costs for which compensation is provided under this Agreement, the provisions of Section 2.10 shall apply).

2.2 **Minimum Amount of Each Borrowing; Maximum Number of Borrowings.** The aggregate principal amount of each Borrowing of Revolving Credit Loans shall be in a minimum amount of at least the Minimum Borrowing Amount for such Type of Revolving Credit Loans and in a multiple of \$1,000,000 in excess thereof. More than one Borrowing may be incurred on any date; provided that at no time shall there be outstanding more than 10 Borrowings of SOFR Loans under this Agreement, unless the Administrative Agent in its sole discretion shall agree upon the request of the Borrower to a greater number of Borrowings of SOFR Loans.

2.3 Notice of Borrowing.

(a) Whenever the Borrower desires to incur Revolving Credit Loans, the Borrower shall give the Administrative Agent at the Administrative Agent's Office, (i) prior to 2:00 p.m. at least three U.S. Government Securities Business Days' prior written notice (or telephonic notice promptly confirmed in writing) of each Borrowing of Revolving Credit Loans if all or any of such Revolving Credit Loans are to be initially SOFR Loans and (ii) prior to 1:00 p.m. on the date of the proposed Borrowing of each Borrowing of Revolving Credit Loans if all or any of such Revolving Credit Loans are to be ABR Loans. Each such Notice of Borrowing shall specify (i) the aggregate principal amount of the Revolving Credit Loans to be made pursuant to such Borrowing, (ii) the date of the Borrowing (which shall be a Business Day), and (iii) whether the Borrowing shall consist of ABR Loans, Term SOFR Loans and/or Daily Simple SOFR Loans and, if SOFR Loans, the Interest Period to be initially applicable thereto. The Administrative Agent shall promptly give each Revolving Credit Lender written notice (or telephonic notice promptly confirmed in writing) of each proposed Borrowing of Revolving Credit Loans, of such Lender's Revolving Credit Commitment Percentage thereof and of the other matters covered by the related Notice of Borrowing.

(a) Without in any way limiting the obligation of the Borrower to confirm in writing any notice it may give hereunder by telephone, the Administrative Agent may act prior to receipt of written confirmation without liability upon the basis of such telephonic notice believed by the Administrative Agent in good faith to be from an Authorized Officer of the Borrower.

2.4 Disbursement of Funds.

(a) No later than 2:00 p.m. on the ~~Incurrence/Payment Date~~ date specified in each Notice of Borrowing, each Lender will make available its *pro rata* portion, if any, of each Borrowing requested to be made on such date in the manner provided below.

(b) Each Lender shall make available all amounts required under any Borrowing for its applicable Commitments in immediately available funds to the Administrative Agent at the Administrative Agent's Office in Dollars, and the Administrative Agent will make available to the Borrower, by depositing to an account designated by the Borrower to the Administrative Agent the aggregate of the amounts so made available in Dollars. Unless the Administrative Agent shall have been notified by any Lender prior to the date of any such Borrowing that such Lender does not intend to make available to the Administrative Agent its portion of the Borrowing or Borrowings to be made on such date, the Administrative Agent may assume that such Lender has made such amount available to the Administrative Agent on such date of Borrowing, and the Administrative Agent, in reliance upon such assumption, may (in its sole discretion and without any obligation to do so) make available to the Borrower a corresponding amount. If such corresponding amount is not in fact made available to the Administrative Agent by such Lender and the Administrative Agent has made available such amount to the Borrower, the Administrative Agent shall be entitled to recover such corresponding amount from such Lender. If such Lender does not pay such corresponding amount forthwith upon the Administrative Agent's demand therefor the Administrative Agent shall promptly notify the Borrower in writing and the Borrower shall immediately pay such corresponding amount to the Administrative Agent in Dollars. The Administrative Agent shall also be entitled to recover from such Lender or the Borrower interest on such corresponding amount in respect of each day from the date such corresponding amount was made available by the Administrative Agent to the Borrower to the date such corresponding amount is recovered by the Administrative Agent, at a rate *per annum* equal to (i) if paid by such Lender, the Overnight Rate or (ii) if paid by the Borrower, the then-applicable rate of interest or fees, calculated in accordance with Section 2.8.

(c) Nothing in this Section 2.4 shall be deemed to relieve any Lender from its obligation to fulfill its commitments hereunder or to prejudice any rights that the Borrower may have against any Lender as a result of any default by such Lender hereunder (it being understood, however, that no Lender shall be responsible for the failure of any other Lender to fulfill its commitments hereunder).

2.5 Repayment of Revolving Credit Loans; Evidence of Debt.

(a) The Borrower shall repay to the Administrative Agent, for the benefit of the applicable Lenders, on the Revolving Credit Maturity Date, all of the then outstanding Revolving Credit Loans.

(b) Promptly following the reasonable request of any Lender at any time and from time to time after the Closing Date, the Borrower shall provide to such Lender, at the Borrower's own expense, a promissory note, substantially in the form of Exhibit D, evidencing the Revolving Credit Loans owing to such Lender.

(c) Each Lender shall maintain in accordance with its usual practice an account or accounts evidencing the indebtedness of the Borrower to the appropriate lending office of such Lender resulting from each Revolving Credit Loan made by such lending office of such Lender from time to time, including the amounts of principal and interest payable and paid to such lending office of such Lender from time to time under this Agreement.

(d) The Administrative Agent shall maintain the Register pursuant to Section 13.6(b), and a subaccount for each Lender, in which Register and subaccounts (taken together) shall be recorded (i) the amount of each Revolving Credit Loan made hereunder and, if applicable, the Type of each Revolving Credit Loan made and the Interest Period applicable thereto, (ii) the amount of any principal or interest due and payable or to become due and payable from the Borrower to each Lender hereunder and (iii) the amount of any sum received by the Administrative Agent hereunder from the Borrower and each Lender's share thereof.

(e) The entries made in the Register and accounts and subaccounts maintained pursuant to clauses (c) and (d) of this Section 2.5 shall, to the extent permitted by Applicable Law, be prima facie evidence of the existence and amounts of the obligations of the Borrower therein recorded; Company, provided, however, that, to the failure extent that such activities do not significantly interfere with the performance of any Lender Executive's duties, services, and responsibilities under this Agreement, Executive shall be permitted to (a) manage Executive's personal, financial, and legal affairs, (b) serve on civic or charitable boards and committees of such boards and (c) to the Administrative Agent extent approved by the Board pursuant to maintain a duly authorized resolution of the Board, serve on corporate boards and committees of such account, boards. Executive will report solely to the Board. Executive will perform such Register lawful duties and responsibilities as are commensurate with Executive's titles and positions, and such other duties and responsibilities commensurate with Executive's titles and positions as may be reasonably requested by the Board from time to time. Executive will have the authority customarily exercised by an individual serving as President and Chief Executive Officer of a corporation of the size and nature of the Company. Upon the Effective Date, Executive shall be appointed to the Board, and upon the expiration of his term on the Board during the Term, Executive shall be nominated for re-election to the Board and, upon request, Executive shall serve as a director or such subaccount, as applicable, an officer of one or any error therein, more subsidiaries of the Company, or of an Affiliate of the Company. Executive shall not be compensated additionally in any manner affect the obligation Executive's capacity as a member of the Borrower Board or as a director or officer of a subsidiary of Affiliate of the Company. Executive's principal place of employment will be in Irving, Texas. For the avoidance of doubt, until the Effective Date, the Company will continue to repay (with applicable interest) employ Executive as the Revolving Credit Loans made to Company's Executive Vice President and Chief Operating Officer.

4. Compensation and Related Matters. (a) **Base Salary.** During the **Borrower by such Lender Term**, Executive shall receive an aggregate annual base salary ("**Base Salary**") at an initial rate of \$1,200,000, payable in accordance with the **terms of Company's applicable payroll practices**. **Base Salary** shall be reviewed annually by the Board and increased (but not decreased) in the Board's sole discretion. References in this **Agreement** to **Base Salary** shall be deemed to refer to the most recently effective annual base salary rate.

2.6(b) Conversions and Continuations Annual Bonus.

(a) Subject to **During the penultimate sentence of this clause (a)**, (x) the Borrower shall have the option on any Business Day to convert all or a portion equal to at least the Minimum Borrowing Amount of the outstanding principal amount of any Revolving Credit Loans of one Type into a Borrowing or Borrowings of another Type and (y) the Borrower shall have the option on any Business Day to continue the outstanding principal amount of any SOFR Loans of a given Type as SOFR Loans of such Type for an additional Interest Period; **provided that** (i) no partial conversion of SOFR Loans shall reduce the outstanding principal amount of SOFR Loans made pursuant to a single Borrowing to less than the applicable Minimum Borrowing Amount, (ii) ABR Loans may not be converted into SOFR Loans if a Payment Default or Event of Default is in existence on the date of the conversion and the Administrative Agent has or the Required Lenders have determined in its or their sole discretion not to permit such conversion, (iii) SOFR Loans may not be continued as SOFR Loans for an additional Interest Period if an Event of Default is in existence on the date of the proposed continuation and the Required Lenders have determined in their sole discretion not to permit such continuation, and (iv) Borrowings resulting from conversions pursuant to this **Section 2.6 Term, Executive** shall be limited in number as provided in **Section 2.2**. Each such conversion or continuation shall be effected by the Borrower by giving the Administrative Agent at the Administrative Agent's Office prior **eligible** to 2:00 p.m. at least (i) three U.S. Government Securities Business Days', in the case of **receive** a continuation of, or conversion to, SOFR Loans or (ii) one Business Day's in the case of a conversion into ABR Loans, prior written notice (or telephonic notice promptly confirmed in writing) (each, a **cash bonus (the "Notice of Conversion or Continuation Annual Bonus")**) specifying the Revolving Credit Loans to be so converted or continued, the Type of Revolving Credit Loans to be converted into or continued and, if such Revolving Credit Loans are to be converted into, or continued as, SOFR Loans, the Interest Period to be initially applicable thereto; **for each year (or portion thereof), provided that, if no Interest Period is selected, except as otherwise provided herein, Executive has remained employed by the Borrower Company as of the applicable payment date. Executive's target bonus opportunity for any particular year (the "Target Bonus") shall be deemed 125% of Base Salary, and Executive's maximum bonus opportunity shall be 200% of the Target Bonus. The Annual Bonus shall be subject to have selected an Interest Period of one month's duration (in performance metrics approved by the case of a Term SOFR Loan) Board based on key short-term objectives and one week's duration (in the case of a Daily Simple SOFR Loan). The Administrative Agent shall give each applicable Lender notice as promptly as practicable of any such proposed conversion or continuation affecting any of its Revolving Credit Loans.**

(a) If any Payment Default or Event of Default is in existence **be at the time full discretion of any proposed continuation of any SOFR Loans and the Required Lenders have determined in their sole discretion not to permit such continuation, such SOFR Loans Board. Any Annual Bonus shall be automatically converted on paid in the last day of fiscal year following the current Interest Period into ABR Loans. fiscal year to which such Annual Bonus relates, at the same time as annual bonuses are paid to all other senior executives.**

2.7(c) Pro Rata Borrowings Equity Compensation. Subject to **Section 2.1(c)**, each Borrowing of Revolving Credit Loans under this **Agreement** Executive shall be made by the Lenders **entitled to receive equity compensation awards as described in pro rata** on the basis of their then applicable Revolving Credit Commitments. It is understood that (a) no Lender shall be responsible for any default by any other Lender in its obligation to make Revolving Credit Loans hereunder and that each Lender severally but not jointly shall be obligated to make the Revolving Credit Loans provided to be made by it hereunder, regardless of the failure of any other Lender to fulfill its commitments hereunder and (b) failure by a Lender to perform any of its obligations under any of the Credit Documents shall not release any Person from performance of its obligation under any Credit Document.

2.8 Interest Exhibit A.

(a) The unpaid principal amount of each ABR Loan shall bear interest from the date of the Borrowing thereof until maturity (whether by acceleration or otherwise) at a rate *per annum* that shall at all times be the relevant Applicable Margin **plus** the ABR, in each case, in effect from time to time.

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(b) The unpaid principal amount of each Term SOFR Loan shall bear interest from the date of the Borrowing thereof until maturity thereof (whether by acceleration or otherwise) at a rate *per annum* that shall at all times be the relevant Applicable Margin **plus** the **Adjusted-Term SOFR Rate**, in each case in effect from time to —
(c) **ie**, The unpaid principal amount of each Daily Simple SOFR Loan shall bear interest from the date of the Borrowing thereof until maturity thereof (whether by acceleration or otherwise) at a rate *per annum* that shall at all times be the relevant Applicable Margin **plus** **Adjusted-Daily Simple SOFR**, in each case in effect from time to time.

(d) **If all or a portion of (i) the principal amount of any Revolving Credit Loan or (ii) any interest payable thereon or any other amount hereunder shall not be paid when due (whether at the stated maturity, by acceleration or otherwise), Benefits and an Event of Default under Sections 11.1 or 11.5 shall have occurred and be continuing, then, upon the giving of written notice by the Administrative Agent to the Borrower (except in the case of an Event of Default under Section 11.5, for which no notice is required), such overdue amount (other than any such amount owed to a Defaulting Lender) shall bear**

interest at a rate *per annum* (the “**Default Rate**”) that is (x) in the case of overdue principal, the rate that would otherwise be applicable thereto **plus 2%** or (y) in the case of any overdue interest or other amounts due hereunder, to the extent permitted by Applicable Law, the rate described in **Section 2.8(a)** **plus 2%** from the date of written notice to the date on which such amount is paid in full (after as well as before judgment) (or if an Event of Default under **Section 11.5** shall have occurred and be continuing, the date of the occurrence of such Event of Default).

(e) Interest on each Revolving Credit Loan shall accrue from and including the date of any Borrowing to but excluding the date of any repayment thereof and shall be payable in Dollars; **provided that** any Revolving Credit Loan that is repaid on the same date on which it is made shall bear interest for one day. Except as provided below, interest shall be payable (i) in respect of each ABR Loan, quarterly in arrears on the tenth Business Day following the end of each March, June, September and December, (ii) in respect of each SOFR Loan, on the last day of each Interest Period applicable thereto and, in the case of an Interest Period in excess of three months, on each date occurring at three-month

intervals after the first day of such Interest Period, and (iii) in respect of each Revolving Credit Loan, (A) on any prepayment; **provided that** interest on ABR Loans shall only become due pursuant to this subclause (A) if the aggregate principal amount of the ABR Loans then-outstanding is repaid in full, (B) at maturity (whether by acceleration or otherwise) and (C) after such maturity, on demand.

(f) All computations of interest hereunder shall be made in accordance with **Section 5.5**.

(g) The Administrative Agent, upon determining the interest rate for any Borrowing of SOFR Loans, shall promptly notify the Borrower and the relevant Lenders thereof. Each such determination shall, absent clearly demonstrable error, be final and conclusive and binding on all parties hereto.

2.9 Interest Periods/Perquisites. At **During** the time the Borrower gives a Notice of Borrowing or Notice of Conversion or Continuation in respect of the making of, or conversion into or continuation as, a Borrowing of SOFR Loans in accordance with **Section 2.6(a)**, the Borrower **Term, Executive** shall give the Administrative Agent written notice (or telephonic notice promptly confirmed in writing) of the Interest Period applicable to such Borrowing, which Interest Period shall, at the option of the Borrower, be (i) in the case of a Term SOFR Loan, a one, three or six month period and (ii) in the case of a Daily Simple SOFR Loan, a one week period.

Notwithstanding anything to the contrary contained above:

(a) the initial Interest Period for any Borrowing of SOFR Loans shall commence on the date of such Borrowing (including the date of any conversion from a Borrowing of ABR Loans) and each Interest Period occurring thereafter in respect of such Borrowing shall commence on the day on which the next preceding Interest Period expires;

(b) if any Interest Period relating to a Borrowing of Term SOFR Loans begins on the last Business Day of a calendar month or begins on a day for which there is no numerically corresponding day in the calendar month at the end of such Interest Period, such Interest Period shall end on the last Business Day of the calendar month at the end of such Interest Period;

(c) if any Interest Period would otherwise expire on a day that is not a Business Day, such Interest Period shall expire on the next succeeding Business Day; **provided that** if any Interest Period in respect of a Term SOFR Loan would otherwise expire on a day that is not a Business Day but is a day of the month after which no further Business Day occurs in such month, such Interest Period shall expire on the next preceding Business Day;

(d) the Borrower shall **not** be entitled to **elect** any Interest Period in respect of any SOFR Loan if such Interest Period would extend beyond the Revolving Credit Maturity Date; and

(e) no tenor that has been removed from this **Section 2.9** shall be available for specification in such Notice of Borrowing or Notice of Conversion or Continuation.

2.10 Increased Costs, Illegality, Etc.

(a) In the event that (x) **participate** in the case of **clause (i)** below, the Administrative Agent or (y) in the case of **clauses (ii) and (iii)** below, the Required Lenders shall have reasonably determined (which determination shall, absent clearly demonstrable error, be final and conclusive and binding upon all parties hereto):

(i) on any date for determining the **Adjusted** Term SOFR Rate or **Adjusted** Daily Simple SOFR for any Interest Period that (x) deposits in the principal amounts and currencies of the Revolving Credit Loans comprising such SOFR Borrowing are not generally available in the relevant market or (y) by reason of any changes arising on or after the Closing Date affecting the SOFR market, adequate and fair means do not exist for ascertaining the applicable interest rate on the basis provided for in the definition of Term SOFR Rate or Daily Simple SOFR, as applicable; or

(ii) at any time, that such Lender shall incur increased costs or reductions in the amounts received or receivable hereunder with respect to any SOFR Loans (other than any increase or reduction attributable to (i) Indemnified Taxes and Taxes indemnifiable under Section 5.4, (ii) net income Taxes and franchise and excise Taxes (imposed in lieu of net income Taxes) imposed on any Agent or Lender or (iii) Taxes included under clauses (c) through (f) of the definition of "Excluded Taxes") because of (x) any change since the Closing Date in any Applicable Law (or in the interpretation or administration thereof and including the introduction of any new Applicable Law), such as, for example, benefit plans (including, without limitation, a change in official reserve requirements, and/or (y) other circumstances affecting the SOFR market or the position of such Lender in such market; or

(iii) at any time, life insurance) and programs and receive perquisites that the making or continuance of any SOFR Loan has become unlawful as a result of compliance by such Lender in good faith with any Applicable Law (or would conflict with any such Applicable Law not having the force of law even though the failure to comply therewith would not be unlawful), or has become impracticable as a result of a contingency occurring after the Closing Date that materially and adversely affects the SOFR market;

then, and in any such event, such Lender (or the Administrative Agent, in the case of clause (i) above) shall within a reasonable time thereafter give notice (if by telephone, confirmed in writing) to the Borrower and to the Administrative Agent of such determination (which notice the Administrative Agent shall promptly transmit to each of the other Lenders). Thereafter (x) in the case of clause (i) above, SOFR Loans shall no longer be available until such time as the Administrative Agent notifies the Borrower and the Lenders that the circumstances giving rise to such notice are provided by the Administrative Agent no longer exist (which notice the Administrative Agent agrees to give at such time when such circumstances no longer exist), and any Notice of Borrowing or Notice of Conversion or Continuation given by the Borrower with respect to SOFR Loans that have not yet been incurred shall be deemed rescinded by the Borrower, as applicable, (y) in the case of clause (ii) above, the Borrower shall pay to such Lender, promptly after receipt of written demand therefor such additional amounts (in the form of an increased rate of or a different method of calculating, interest or otherwise, as such Lender in its reasonable discretion shall determine) as shall be required to compensate such Lender for such increased costs or reductions in amounts receivable hereunder (it being agreed that a written notice as to the additional amounts owed to such Lender, showing in reasonable detail the basis for the calculation thereof, submitted to the Borrower by such Lender shall, absent clearly demonstrable error, be final and conclusive and binding upon all parties hereto) and (z) in the case of subclause (iii) above, the Borrower shall take one of the actions specified in Section 2.10(b) as promptly as possible and, in any event, within the time period required by Applicable Law.

(a) At any time that any SOFR Loan is affected by the circumstances described in Section 2.10(a)(ii) or (iii), the Borrower may (and in the case of a SOFR Loan, affected pursuant to Section 2.10(a)(iii) shall) either (x) if the affected SOFR Loan is then being made pursuant to a Borrowing, cancel such Borrowing by giving the Administrative Agent telephonic notice (confirmed promptly in writing) thereof on the same date that the Borrower was notified by a Lender pursuant to Section 2.10(a)(ii) or (iii) or (y) if the affected SOFR Loan is then-outstanding, upon at least three Business Days' notice to the Administrative Agent require the affected Lender to convert each such SOFR

Loan into an ABR Loan; provided that if more than one Lender is affected at any time, then all affected Lenders must be treated in the same manner pursuant to this Section 2.10(b).

(a) If, after the Closing Date, any Change in Law relating to capital adequacy or liquidity of any Lender or compliance by any Lender or its parent with any Change in Law relating to capital adequacy or liquidity occurring after the Closing Date, has or would have the effect of reducing the rate of return on such Lender's or its parent's or its Affiliates' capital or assets as a consequence of such Lender's commitments or obligations hereunder to a level below that which such Lender or its parent or any Affiliate thereof could have achieved but for such Change in Law (taking into consideration such Lender's or parent's policies with respect to capital adequacy or liquidity), then Company from time to time promptly after written demand by such Lender (with a copy for its senior executives generally, subject to the Administrative Agent), the Borrower shall pay to such Lender such additional amount or amounts as will compensate such Lender or its parent for such reduction, it being understood terms and agreed, however, that a Lender shall not be entitled to such compensation as a result conditions of such Lender's compliance with, or pursuant to any request or directive to comply with, any Applicable Law plans and programs, as in effect on the Closing Date. Each Lender, upon determining in good faith that any additional amounts will be payable pursuant to this Section 2.10(c), will give prompt written notice thereof to the Borrower, which notice shall set forth in reasonable detail the basis of the calculation of such additional amounts, although the failure to give any such notice shall not, subject to Section 2.13, release or diminish the Borrower's obligations to pay additional amounts pursuant to this Section 2.10(c) upon receipt of such notice.

(b) Alternate Rate of Interest.

(i) Subject to clauses (ii), (iii), (iv), (v) and (vi) of this Section 2.10(d), if

(1) the Administrative Agent determines (which determination shall be conclusive absent manifest error) prior to the commencement of any Interest Period for a SOFR Borrowing, that adequate and reasonable means do not exist for ascertaining the Adjusted Term SOFR Rate, the Term SOFR Rate, Adjusted-Daily Simple SOFR or Daily Simple SOFR (including because the Term SOFR Reference Rate or Daily Simple SOFR is not available or published on a current basis) for such Interest Period; or

(2) the Administrative Agent is advised by the Required Lenders that prior to the commencement of any Interest Period for a SOFR Borrowing, the Adjusted-Term SOFR Rate or Adjusted-Daily Simple SOFR for such Interest Period will not adequately and fairly reflect

the cost to such Lenders (or Lender) of making or maintaining their Borrowings (or its Borrowings) included in such Borrowing for such Interest Period;

then the Administrative Agent shall give notice thereof to the Borrower and the Lenders by telephone, telecopy or electronic mail as promptly as practicable thereafter and, until (x) the Administrative Agent notifies the Borrower and the Lenders that the circumstances giving rise to such notice no longer exist with respect to the relevant benchmark rate and (y) the Borrower delivers a Notice of Conversion or Continuation in accordance with the terms of Section 2.6, any Notice of Conversion or Continuation that requests the conversion of any Borrowing to, or continuation of any Borrowing as, a Borrowing of SOFR Loans of the applicable Type they may be revoked by the Borrower and, failing that, shall instead be deemed to be a Notice of Conversion or Continuation for an ABR Loan. Furthermore, if any SOFR Loan is outstanding on the date of the Borrower's receipt of the notice from the Administrative Agent referred to in this Section 2.10(d)(i) with respect to the Term SOFR Rate or Daily Simple SOFR, as applicable, then until (x) the Administrative Agent notifies the Borrower and the Lenders that the circumstances giving rise to such notice no longer exist with respect to the relevant benchmark rate and (y) the Borrower delivers a new Notice of Conversion or Continuation in accordance with the terms of Section 2.6, any such SOFR Loan of the applicable Type shall on the last day of the Interest Period applicable to such SOFR Loan (or the next succeeding Business Day if such day is not a Business Day), be converted by the Administrative Agent to, and shall constitute, an ABR Loan.

(ii) Notwithstanding anything to the contrary herein or in any other Credit Document, if a Benchmark Transition Event and its related Benchmark Replacement Date have occurred prior to the Reference Time in respect of any setting of the then-current Benchmark, then (x) if a Benchmark Replacement is determined in accordance with clause (1) of the definition of "Benchmark Replacement" for such Benchmark Replacement Date, such Benchmark Replacement will replace such Benchmark for all purposes hereunder and under any Credit Document in respect of such Benchmark setting and subsequent Benchmark settings without any amendment to, or further action or consent of any other party to, this Agreement or any other Credit Document and (y) if a Benchmark Replacement is determined in accordance with clause (2) of the definition of "Benchmark Replacement" for such Benchmark Replacement Date, such Benchmark Replacement will replace such Benchmark for all purposes hereunder and under any Credit Document in respect of any Benchmark setting at or after 5:00 p.m. (New York City time) on the fifth (5th) Business Day after the date notice of such Benchmark Replacement is provided to the Lenders without any amendment to, or further action or consent of any other party to, this Agreement or any other Credit Document so long as the Administrative Agent has not received, by such time, written notice of objection to such Benchmark Replacement from Lenders comprising the Required Lenders.

(iii) Notwithstanding anything to the contrary herein (including in Section 13.1 of this Agreement) or in any other Credit Document, the Administrative Agent will have the right to make Benchmark Replacement Conforming Changes amended from time to time, and notwithstanding anything commensurate with Executive's position. During the Term, Executive shall be entitled to up to \$15,000 per year for tax and financial planning.

(e) **Business Expense Reimbursements.** During the Term, the Company shall promptly reimburse Executive for Executive's reasonable and necessary business expenses in accordance with the Company's then-prevailing policies and procedures for expense reimbursement (which shall include appropriate itemization and substantiation of expenses incurred).

(f) **Indemnification.** The Company shall indemnify and hold harmless Executive, to the contrary herein fullest extent permitted by law and the Company's governing documents, against all claims, expenses, damages, liabilities, and losses incurred by Executive (whether before or in after the Original Effective Date) by reason of the fact that Executive is or was, or had agreed to become, a consultant, director, officer, employee, agent, or fiduciary of the Company or any other Credit Document, any amendments implementing such Benchmark Replacement Conforming Changes will become effective without any further action of its subsidiaries or consent Affiliates or predecessors of any other party to this Agreement of the foregoing, or any other Credit Document.

(iv) The Administrative Agent will promptly notify the Borrower and the Lenders of (i) any occurrence of a Benchmark Transition Event, (ii) the implementation benefit plan of any Benchmark Replacement, (iii) of the effectiveness foregoing, or is or was serving at the request of the Company as a consultant, director, officer, partner, venturer, proprietor, trustee, employee, agent, fiduciary, or similar functionary of another corporation, partnership, joint venture, business, person, trust, employee benefit plan, or other entity. The Company shall provide Executive with customary directors' and officers' liability insurance coverage both during and after the Term with regard to matters occurring during employment or while otherwise providing services to, or serving at the request of, the Company or any of its subsidiaries or Affiliates, or any benefit plan of any Benchmark Replacement Conforming Changes, (iv) the removal or reinstatement of any tenor of a Benchmark pursuant to clause (v) below and (v) the commencement or conclusion of any Benchmark Unavailability Period. Any determination, decision or election that may be made by the Administrative Agent or, if applicable, any Lender (or group of Lenders) pursuant to this Section 2.10, including any determination with respect to a tenor, rate or adjustment or of the occurrence or non-occurrence of an event, circumstance or date and any decision to take or refrain from taking any action or any selection, will foregoing, which coverage shall be conclusive and binding absent manifest error and may be made in its or their sole discretion and without consent from any other party to this Agreement or any other Credit Document, except, in each case, as expressly required pursuant to this Section 2.10.

(v) Notwithstanding anything at a level at least equal to the contrary herein or in any other Credit Document, greatest level being maintained at any such time (including in connection with the implementation of a Benchmark Replacement), (i) if the then-current Benchmark is a term rate (including the Term SOFR Rate)

and either (a) any tenor for such Benchmark is not displayed on a screen or other information service that publishes such rate from time to time as selected by the Administrative Agent in its reasonable discretion or (b) the regulatory supervisor for the administrator of such Benchmark has provided a public statement or publication of information announcing that any tenor for such Benchmark is or will be no longer representative, then the Administrative Agent may modify the definition of "Interest Period" for any Benchmark settings at current officer or after such time to remove such unavailable or non-representative tenor director and (ii) if a tenor that was removed pursuant to clause (i) above either (a) is subsequently displayed on a screen or information service for a Benchmark (including a Benchmark Replacement) or (b) is not, or is no longer, subject to an announcement that it is or will no longer be representative for a Benchmark (including a Benchmark Replacement), then the Administrative Agent may modify the definition of "Interest Period" for all Benchmark settings at or after such time to reinstate such previously removed tenor.

(vi) the Borrower may revoke any request for a Borrowing of Term SOFR Loans, or a conversion to or continuation of a Term SOFR Loan to be converted or continued, during any Benchmark Unavailability Period and, failing that, the Borrower will be deemed to have converted any request for a Borrowing of Term SOFR Loans into a request for a Borrowing of or conversion to an ABR Loan. During any Benchmark Unavailability Period or at any time that a tenor for the then-current Benchmark is not an Available Tenor, the component of ABR based upon the then-current Benchmark or such tenor for such Benchmark, as applicable, will not be used in any determination of ABR. Furthermore, if any Term SOFR Loan is outstanding on the date of the Borrower's receipt of notice of the commencement of a Benchmark Unavailability Period with respect to the Term SOFR Rate, then shall continue until such time as suits can no longer be brought against Executive as a Benchmark Replacement is implemented pursuant matter of law. Executive will be entitled to this Section 2.10, advancement of expenses in connection with any Term SOFR Loan shall on claim in the last day same manner and to the same extent to which any other officer or director of the Interest Period applicable to such Revolving Credit Loan (or the next succeeding Business Day if such day Company is not a Business Day), be converted by the Administrative Agent to, and shall constitute, a ABR Loan.

(c) entitled. Notwithstanding the foregoing, no Lender shall demand compensation pursuant to this Section 2.10 if it shall not at the time be the general policy or practice of such Lender to demand such compensation in substantially the same manner as applied to other similarly situated borrowers under comparable syndicated credit facilities.

2.11 Compensation. If (i) any payment of principal of any Term SOFR Loan is made by the Borrower to or for the account of a Lender other than on the last day of the Interest Period for such SOFR Loan as a result of a payment or conversion pursuant to Section 2.5, 2.6, 2.10, 5.1, 5.2 or 13.7, as a result of acceleration of the maturity of the Revolving Credit Loans pursuant to Section 11 or for any other reason, (ii) any Borrowing of SOFR Loans is not made as a result of a withdrawn Notice of Borrowing, (iii) any ABR Loan is not converted into a SOFR Loan as a result of a withdrawn Notice of Conversion or Continuation, (iv) any SOFR Loan is not continued as a SOFR Loan, as the case may be, as a result of a withdrawn Notice of Conversion or Continuation or (v) any prepayment of principal of any SOFR Loan is not made as a result of a withdrawn notice of prepayment pursuant to Section 5.1 or 5.2, the Borrower shall, after receipt of a written request by such Lender (which request shall set forth in reasonable detail the basis for requesting such amount), pay to the Administrative Agent for the account of such Lender any amounts required to compensate such Lender for any additional losses, costs or expenses that such Lender may reasonably incur as a result of such payment, failure to convert, failure to continue or failure to prepay, including any loss, cost or expense (excluding loss of anticipated profits) actually incurred by reason of the liquidation or reemployment of deposits or other funds acquired by any Lender to fund or maintain such SOFR Loan. Notwithstanding the foregoing, no Lender shall demand compensation pursuant to this Section 2.11 if it shall not at the time be the general policy or practice of such Lender to demand such compensation in substantially the same manner as applied to other similarly situated borrowers under comparable syndicated credit facilities. For the avoidance of doubt, the reallocation of SOFR Loans on the First Amendment Effective Date as contemplated by the First Amendment shall not require the payment of any compensation under this Section 2.11. For the avoidance of doubt, the reallocation of SOFR Loans on the

Second Amendment Effective Date and, Third Amendment Effective Date and Fourth Amendment Effective Date as contemplated by the Second Amendment and, Third Amendment and Fourth Amendment, respectively, shall not require the payment of any compensation under this Section 2.11.

2.12 Change of Lending Office. Each Lender agrees that, upon the occurrence of any event giving rise to the operation of Section 2.10(a)(ii), 2.10(a)(iii), 2.10(b) or 5.4 with respect to such Lender, it will, if requested by the Borrower use reasonable efforts (subject to overall policy considerations of such Lender) to designate another lending office for any Revolving Credit Loans affected by such event; provided that such designation is made on such terms that such Lender and its lending office suffer no economic, legal or regulatory disadvantage, with the object of avoiding the consequence of the event giving rise to the operation of any such Section. Nothing in this Section 2.12 shall affect or postpone any of the obligations of the Borrower or the right of any Lender provided in Section 2.10 or 5.4.

2.13 Notice of Certain Costs. Notwithstanding anything in this Agreement to the contrary, to the extent any notice required by Section 2.10, 2.11 or 5.4 is given by any Lender more than 180 days after such Lender has knowledge (or should have had knowledge) of the occurrence of the event giving rise to the

additional cost, reduction in amounts, loss, tax or other additional amounts described in such Sections, such Lender shall not be entitled to compensation under Section 2.10, 2.11 or 5.4, as the case may be, for any such amounts incurred or accruing prior to the 181st day prior to the giving of such notice to the Borrower.

2.14 Defaulting Lenders. Notwithstanding any provision of this Agreement to the contrary, if any Lender becomes a Defaulting Lender, then the following provisions shall apply for so long as such Lender is a Defaulting Lender:

(a) No Defaulting Lender shall be entitled to receive any fee payable under Section 4 or any interest at the Default Rate payable under Section 2.8(d) for any period during which that Lender is a Defaulting Lender (and the Borrower Company shall not be required to pay any such fee indemnify or interest that otherwise would have been required advance expenses to have been paid to that Defaulting Lender).

(b) If the Borrower and the Administrative Agent agree in writing in their discretion that a Lender that is a Defaulting Lender should no longer be deemed to be a Defaulting Lender, the Administrative Agent will so notify the parties hereto, whereupon, as of the effective date specified in such notice and subject to any conditions set forth therein, such Lender will cease to be a Defaulting Lender and will be a Non-Defaulting Lender; provided that, except to the extent otherwise expressly agreed by the affected parties, no change hereunder from Defaulting Lender to Non-Defaulting Lender will constitute a waiver or release of any claim of any party hereunder arising from such Lender's having been a Defaulting Lender.

Section 3. [Reserved].

Section 4. Fees; Commitments.

4.1 Fees.

(a) The Borrower agrees to pay to the Administrative Agent in Dollars, for the account of each Revolving Credit Lender (in each case *pro rata* according to the respective Revolving Credit Commitments of all such Lenders), a commitment fee (the "Revolving Credit Commitment Fee") for each day from the Closing Date to, but excluding, the Revolving Credit Termination Date. The

Revolving Credit Commitment Fee shall be earned, due and payable by the Borrower (x) quarterly in arrears on the tenth Business Day following the end of each March, June, September and December (for the three-month period (or portion thereof) ended on such day for which no payment has been received) and (y) on the Revolving Credit Termination Date (for the period ended on such date for which no payment has been received pursuant to clause (x) above), and shall be computed for each day during such period at a rate *per annum* equal to the applicable Revolving Credit Commitment Fee Rate in effect on such day on the applicable portion of the Unused Revolving Commitment in effect on such day.

(b) The Borrower agrees to pay directly to the Administrative Agent for its own account the administrative agent fees as separately agreed in writing.

(c) Notwithstanding the foregoing, the Borrower shall not be obligated to pay any amounts to any Defaulting Lender pursuant to this Section 4.1 (subject to Section 2.14).

4.2 Voluntary Reduction of Revolving Credit Commitments. Upon at least one Business Day's prior revocable written notice (or telephonic notice promptly confirmed in writing) to the Administrative Agent at the Administrative Agent's Office (which notice the Administrative Agent shall promptly transmit to each of the Revolving Credit Lenders), the Borrower shall have the right, without premium or penalty, on any day, permanently to terminate or reduce the Revolving Credit Commitments in whole or in part; provided that (a) any such termination or reduction of Revolving Credit Commitments shall apply proportionately and permanently to reduce the Revolving Credit Commitments of each of the Revolving Credit Lenders, (b) any partial reduction pursuant to this Section 4.2 shall be in the amount of at least the Minimum Borrowing Amount for Term SOFR Loans and (c) after giving effect to such termination or reduction and to any prepayments of the Revolving Credit Loans made on the date thereof in accordance with this Agreement (including pursuant to Section 5.2(b)), the Aggregate Revolving Credit Outstandings shall not exceed the Line Cap.

4.3 Mandatory Termination of Revolving Credit Commitments. The Revolving Credit Commitment shall terminate at 5:00 p.m. on the Revolving Credit Maturity Date.

Section 5. Payments.

5.1 Voluntary Prepayments. The Borrower shall have the right to prepay Revolving Credit Loans, without premium or penalty (other than amounts, if any, required to be paid pursuant to Section 2.11 with respect to prepayments of SOFR Loans made on any date other than the last day of the applicable Interest Period), in whole or in part, from time to time on any date on the following terms and conditions: (a) the Borrower shall give the Administrative Agent at the Administrative Agent's Office revocable written notice (or telephonic notice promptly confirmed in writing) of its intent to make such prepayment, the amount of such prepayment and, in the case of SOFR Loans, the specific Borrowing(s) pursuant to which made, which notice shall be given by the Borrower no later than 1:00 p.m. (x) one Business Day prior to (in the case of ABR Loans) or (y) three Business Days prior to (in the case of SOFR Loans), (b) each partial prepayment of any Borrowing of Revolving Credit Loans shall be in a multiple of \$1,000,000 and in an aggregate principal amount of at least \$5,000,000;

~~provided that~~ no partial prepayment of SOFR Loans made pursuant to a single Borrowing shall reduce the outstanding SOFR Loans made pursuant to such Borrowing to an amount less than the applicable Minimum Borrowing Amount for SOFR Loans and (c) any prepayment of SOFR Loans pursuant to this Section 5.1 on any day prior to the last day of an Interest Period applicable thereto shall be subject to compliance by the Borrower with the applicable provisions of Section 2.11. All prepayments under this Section 5.1 shall also be subject to the provisions of Section 5.2(e). At the Borrower's election **Executive** in connection with (i) any prepayment pursuant to this Section 5.1, such prepayment shall not be applied to any Loan of a Defaulting Lender.

5.2 Mandatory Prepayments.

(a) [Reserved].

(b) Repayment of Revolving Credit Loans. If on any date the Aggregate Revolving Credit Outstandings for any reason exceeds the Line Cap then in effect, the Borrower shall, forthwith repay ~~on the~~ no later than the first Business Day that immediately ~~succeeding Incurrence/Payment Date~~ succeeds the date on which any such excess exists, the principal amount of the Revolving Credit Loans in an amount necessary to eliminate such deficiency.

(c) [Reserved].

(d) [Reserved].

(e) Application to Revolving Credit Loans. With respect to each prepayment of Revolving Credit Loans elected to be made by the Borrower pursuant to Section 5.1 or required by Section 5.2(b), the Borrower may designate the Types of Revolving Credit Loans that are to be prepaid and the specific Borrowing(s) pursuant to which made; provided that (x) each prepayment of any Revolving Credit Loans made pursuant to a Borrowing shall be applied *pro rata* among such Revolving Credit Loans; and (y) notwithstanding the provisions of the preceding clause (x), no prepayment made pursuant to Section 5.1 or 5.2(b) of Revolving Credit Loans shall be applied to the Revolving Credit Loans of any Defaulting Lender. In the absence of a designation by the Borrower as described in the preceding sentence, the Administrative Agent shall, subject to the above, make such designation in its reasonable discretion with a view, but no obligation, to minimize breakage costs owing under Section 2.11. The mandatory prepayments set forth in this Section 5.2 shall not reduce the aggregate amount of Revolving Credit Commitments and amounts prepaid may be reborrowed in accordance with the terms hereof.

5.3 Method and Place of Payment.

(a) Except as otherwise specifically provided herein, all payments under this Agreement shall be made by the Borrower without set-off, counterclaim or deduction of any kind, to the Administrative Agent for the ratable account of the Lenders entitled thereto not later than 2:00 p.m., in each case, on the date when due and shall be made in immediately available funds at the Administrative Agent's Office or at such other office as the Administrative Agent shall specify for such purpose by written notice to the Borrower, it being understood that written or facsimile notice by the Borrower to the Administrative Agent to make a payment from the funds in the Borrower's account at the Administrative Agent's Office shall constitute the making of such payment to the extent of such funds held in such account. All repayments or prepayments of any Revolving Credit Loans (whether of principal, interest or otherwise) hereunder and all other payments under each Credit Document shall be made in Dollars. The Administrative Agent will thereafter cause to be distributed on the same day (if payment was actually received by the Administrative Agent prior to 2:00 p.m. or, otherwise, on the next Business Day) like funds relating to the payment of principal or interest or fees ratably to the Lenders entitled thereto.

(b) Any payments under this Agreement that are made later than 2:00 p.m. shall be deemed to have been made on the next succeeding Business Day. Whenever any payment to be made hereunder shall be stated to be due on a day that is not a Business Day, the due date thereof shall be extended to the next succeeding Business Day and, with respect to payments of principal, interest shall be payable during such extension at the applicable rate in effect immediately prior to such extension.

5.4 Net Payments.

(a) Any and all payments made by or on behalf of the Borrower or any Guarantor under this Agreement or any other Credit Document shall be made free and clear of, and without deduction or withholding for or on account of, any Indemnified Taxes; ~~provided that~~ if the Borrower or any Guarantor or the Administrative Agent shall be required by Applicable Law to deduct or withhold any Indemnified Taxes from such payments, then (i) the sum payable by the Borrower or any Guarantor shall be increased as necessary so that after making all such required deductions and withholdings (including such deductions or withholdings applicable to additional sums payable under this Section 5.4), the Administrative Agent, the Collateral Agent or any Lender, as the case may be, receives an amount equal to the sum it would have received had no such deductions or withholdings been made, (ii) the Borrower or such Guarantor or the Administrative Agent shall make such deductions or withholdings and (iii) the Borrower or such Guarantor or the Administrative Agent shall timely pay the full amount deducted or withheld to the relevant Governmental Authority within the time allowed and in accordance with Applicable Law. Whenever any Indemnified Taxes are payable by the Borrower or such Guarantor, as promptly as possible thereafter, the Borrower or Guarantor shall send to the Administrative Agent for its own account or for the account of such Lender, as the case may be, a certified copy of an original official receipt (or other evidence acceptable to such Lender, acting reasonably) received by the Borrower or such Guarantor showing payment thereof.

(b) The Borrower shall timely pay and shall indemnify and hold harmless the Administrative Agent, the Collateral Agent and each Lender with regard to any Other Taxes (whether or not such Other Taxes were correctly or legally imposed or asserted by the relevant Governmental Authority).

(c) The Borrower shall indemnify and hold harmless the Administrative Agent, the Collateral Agent and each Lender within fifteen Business Days after written demand therefor, for the full amount of any Indemnified Taxes imposed on the Administrative Agent, the Collateral Agent or such Lender as the case may be, on or with respect to any payment by or on account of any obligation of the Borrower or any Guarantor hereunder or under any other Credit Document (including Indemnified Taxes imposed or asserted on or attributable to amounts payable under this Section 5.4) and any reasonable out-of-pocket expenses arising therefrom or with respect thereto, whether or not such Indemnified Taxes were correctly or legally imposed or asserted by the relevant Governmental Authority. A certificate setting forth reasonable detail as to the amount of such payment or liability delivered to the Borrower by a Lender, the Administrative Agent or the Collateral Agent (as applicable) on its own behalf or on behalf of a Lender shall be conclusive absent manifest error.

(d) Any Non-U.S. Lender that is entitled to an exemption from or reduction of withholding Tax under the law of the jurisdiction in which the Borrower is resident for tax purposes, or under any treaty to which such jurisdiction is a party, with respect to payments hereunder or under any other Credit Document shall, to the extent it is legally able to do so, deliver to the Borrower (with a copy to the Administrative Agent), at the time or times prescribed by Applicable Law or reasonably requested by the Borrower or the Administrative Agent, such properly completed and executed documentation prescribed by Applicable Law as will permit such payments to be made without withholding or at a reduced rate of withholding. A Lender's obligation under the prior sentence shall apply only if the Borrower or the Administrative Agent has made a request for such documentation. In addition, any Lender, if requested by the Borrower or the Administrative Agent, shall deliver such other documentation prescribed by Applicable Law or reasonably requested by the Borrower or the Administrative Agent as will enable the Borrower or the Administrative Agent to determine whether or not such Lender is subject to backup withholding or information reporting requirements. Notwithstanding anything to the contrary in this Section 5.4(d), the completion, execution and submission of such documentation (other than such documentation set forth in Section 5.4(e), 5.4(h) and 5.4(i) below) shall not be required if in the Lender's reasonable judgment such completion, execution or submission would subject such Lender to

any material unreimbursed cost or expense or would materially prejudice the legal or commercial position of such Lender.

(e) Each Non-U.S. Lender with respect to any Revolving Credit Loan made to the Borrower shall, to the extent it is legally entitled to do so:

(i) deliver to the Borrower and the Administrative Agent, prior to the date on which the first payment to the Non-U.S. Lender is due hereunder, two copies of (x) in the case of a Non-U.S. Lender claiming exemption from U.S. federal withholding Tax under Section 871(h) or 881(c) of the Code with respect to payments of "portfolio interest", United States Internal Revenue Service Form W-8BEN or W-8BEN-E (together with a certificate substantially in the form of Exhibit E representing that such Non-U.S. Lender is not a bank for purposes of Section 881(c) of the Code, is not a 10-percent shareholder (within the meaning of Section 871(h)(3)(B) of the Code) of the Borrower, any interest payment received by such Non-U.S. Lender under this Agreement or any other Credit Document is not effectively connected with the conduct of a trade or business in the United States and is not a controlled foreign corporation related to the Borrower (within the meaning of Section 864(d)(4) of the Code)), (y) Internal Revenue Service Form W-8BEN, Form W-8BEN-E or Form W-8ECI, in each case properly completed and duly executed by such Non-U.S. Lender claiming complete exemption from, or reduced rate of, U.S. Federal withholding Tax on payments by the Borrower under this Agreement or (z) if a Non-U.S. Lender does not act or ceases to act for its own account with respect to any portion of any sums paid or payable to such Lender under any of the Credit Documents (for example, in the case of a typical participation or where Non-U.S. Lender is a pass through entity) Internal Revenue Service Form W-8IMY and all necessary attachments (including the forms described in clauses (x) and (y) above, as required); and

(ii) deliver to the Borrower and the Administrative Agent two further copies of any such form or certification (or any applicable successor form) on or before the date that any such form or certification expires or becomes obsolete and after the occurrence of any event requiring a change in the most recent form previously delivered by it to the Borrower.

If in any such case any Change in Law has occurred prior to the date on which any such delivery would otherwise be required that renders any such form inapplicable or would prevent such Non-U.S. Lender from duly completing and delivering any such form with respect to it, such Non-U.S. Lender shall promptly so advise the Borrower and the Administrative Agent.

(f) If any Lender, the Administrative Agent or the Collateral Agent, as applicable, determines, in its sole discretion exercised in good faith, that it had received and retained a refund of an Indemnified Tax (including an Other Tax) for which a payment has been made by the Borrower pursuant to this Agreement, which refund in the good faith judgment of such Lender, the Administrative Agent or the Collateral Agent, as the case may be, is attributable to such payment made by the Borrower, then the Lender, the Administrative Agent or the Collateral Agent, as the case may be, shall reimburse the Borrower for such amount (net of all out-of-pocket expenses of such Lender, the Administrative Agent or the Collateral Agent, as the case may be, and without interest other than any interest received thereon from the relevant Governmental Authority with respect to such refund) as the Lender, the Administrative Agent or the Collateral Agent, as the case may be, determines in its sole discretion exercised in good faith to be the proportion of the refund as will leave it, after such reimbursement, in no better or worse position (taking into account expenses or any Taxes imposed on the refund) than it would have been in if the payment had not been required;

provided that the Borrower, upon the request of the Lender, the Administrative Agent or the Collateral Agent, agrees to repay the amount paid over to the Borrower (plus any penalties, interest or other charges imposed by the relevant Governmental Authority) to the Lender,

the Administrative Agent or the Collateral Agent in the event the Lender, the Administrative Agent or the Collateral Agent is required to repay such refund to such Governmental Authority. A Lender, the Administrative Agent or the Collateral Agent shall claim any refund that it determines is available to it, unless it concludes in its sole discretion that it would be adversely affected by making such a claim. None of any Lender, the Administrative Agent or the Collateral Agent shall be obliged to disclose any information regarding its tax affairs or computations to any Credit Party in connection with this clause (f) or any other provision of this Section 5.4.

(g) If the Borrower determines that a reasonable basis exists for contesting a Tax, each Lender or Agent, as the case may be, shall use reasonable efforts to cooperate with the Borrower as the Borrower may reasonably request in challenging such Tax. Subject to the provisions of Section 2.12, each Lender and Agent agrees to use reasonable efforts to cooperate with the Borrower as the Borrower may reasonably request to minimize any amount payable by the Borrower or any Guarantor pursuant to this Section 5.4. The Borrower shall indemnify and hold each Lender and Agent harmless against any out-of-pocket expenses incurred by such Person in connection with any request made by the Borrower pursuant to this Section 5.4(g). Nothing in this Section 5.4(g) shall obligate any Lender or Agent to take any action that such Person, in its sole judgment, determines may result in a material detriment to such Person.

(h) Each Lender with respect to any Revolving Credit Loan made to the Borrower that is a United States person under Section 7701(a)(30) of the Code and Agent (each, a "U.S. Lender") shall deliver to the Borrower and the Administrative Agent two United States Internal Revenue Service Forms W-9 (or substitute or successor form), properly completed and duly executed, certifying that such Lender or Agent is exempt from United States backup withholding (i) on or prior to the Closing Date (or on or prior to the date it becomes a party to this Agreement), (ii) on or before the date that such form expires or becomes obsolete, (iii) after the occurrence of a change in such Agent's or Lender's circumstances requiring a change in the most recent form previously delivered by it to the Borrower and the Administrative Agent and (iv) from time to time thereafter if reasonably requested by the Borrower or the Administrative Agent.

(i) If a payment made to any Lender would be subject to U.S. federal withholding Tax imposed under FATCA if such Lender were to fail to comply with the applicable reporting requirements of FATCA (including those contained in Sections 1471(b) or 1472(b) of the Code, as applicable), such Lender shall deliver to the Borrower and the Administrative Agent, at the time or times prescribed by law and at such time or times reasonably requested by the Borrower or the Agent, such documentation prescribed by applicable law (including as prescribed by Section 1471(b)(3)(C)(i) of the Code) and such other documentation reasonably requested by the Administrative Agent and the Borrower as may be necessary for the Administrative Agent and the Borrower to comply with their obligations under FATCA, to determine whether such Lender has or has not complied with such Lender's FATCA obligations and to determine the amount, if any, to deduct and withhold from such payment. Solely for purposes of this subsection (i), "FATCA" shall include any amendments after the date of this Agreement.

(j) The agreements in this Section 5.4 shall survive the termination of this Agreement and the payment of the Revolving Credit Loans and all other amounts payable hereunder.

5.5 Computations of Interest and Fees. Except as provided in the next succeeding sentence, (x) interest on SOFR Loans and ABR Loans and (y) fees shall, in each case, be calculated on the basis of a 360-day year for the actual days elapsed. Interest on ABR Loans in respect of which the rate of interest is calculated on the basis of the rate of interest in effect for such day as publicly announced from time to time by the Wall Street Journal as the "U.S. prime rate" and interest on overdue interest shall be calculated on the basis of a 365- (or 366-, as the case may be) day year for the actual days elapsed.

5.6 Limit on Rate of Interest.

(a) **No Payment Shall Exceed Lawful Rate.** Notwithstanding any other term of this Agreement, the Borrower shall not be obligated to pay any interest or other amounts under or dispute in connection with this Agreement or otherwise Executive's employment hereunder; (ii) any action, claim, or proceeding initiated by Executive against the Company unless such action, claim, or proceeding is approved in respect of advance by the Obligations Board in excess of the amount writing; or rate permitted under (iii) any liabilities, damages, claims or consistent with any applicable law, rule expenses incurred that are attributable to Executive's fraud, bad faith, willful misconduct, or regulation; gross negligence.

(b) 5. Payment at Highest Lawful Rate Termination of Employment. If the Borrower is not obliged to make a payment that it would otherwise be required to make, as a result of Section 5.6(a), the Borrower shall make such payment to the maximum extent permitted by or consistent with applicable laws, rules and regulations.

(c) **Adjustment if Any Payment Exceeds Lawful Rate.** If any provision of (a) Executive's employment under this Agreement or any of the other Credit Documents would obligate the Borrower to make any payment of interest or other amount payable to any Lender in an amount or calculated at a rate that would be prohibited by any Applicable Law, then notwithstanding such provision, such amount or rate shall be deemed to have been adjusted with retroactive effect to the maximum amount or rate of interest, as the case may be as would not be so prohibited terminated by Applicable Law, such adjustment to be effected, to the extent necessary, by reducing the amount or rate of interest required to be paid by the Borrower to the affected Lender under Section 2.8.

(d) Notwithstanding the foregoing, either party at any time and after giving effect to all adjustments contemplated thereby, if any Lender shall have received from the Borrower an amount in excess of the maximum permitted by any Applicable Law, then the Borrower shall be entitled, by notice in writing to the Administrative Agent to obtain reimbursement from that Lender in an amount equal to such excess, and pending such reimbursement, such amount shall be deemed to be an amount payable by that Lender to the Borrower.

Section 6. Conditions Precedent to Effectiveness.

The establishment of the Revolving Credit Commitments by the Revolving Credit Lenders on the Closing Date is subject to the satisfaction or waiver by the Revolving Credit Lenders of the following conditions precedent set forth in this Section 6.

6.1 Credit Documents. The Administrative Agent shall have received (a) this Agreement, executed and delivered by an Authorized Officer of each of Holdings and the Borrower as of the Closing Date, (b) the Guarantee, executed and delivered by an Authorized Officer of each Guarantor, (c) (i) an Additional Secured Debt Designation (as defined in the Collateral Trust Agreement) and (ii) a Collateral Trust Joinder (as defined in the Collateral Trust Agreement), in each case, executed and delivered by each of the parties thereto as of the Closing Date and (d) the Reaffirmation Agreement executed and delivered by each of the parties thereto as of the Closing Date.

6.2 Closing Date Borrowing Base Certificate. At least three (3) Business Days prior to the Closing Date, the Administrative Agent shall have received a Borrowing Base Certificate as of the Closing Date, duly completed and executed by an Authorized Officer of the Borrower.

6.3 Legal Opinions. The Administrative Agent shall have received the executed customary legal opinions of (a) Sidley Austin LLP and (b) Yuki Whitmire, General Counsel of the Credit Parties, in each case, dated as of the Closing Date, addressed to the Administrative Agent, the Collateral Agent and the Lenders and in form and substance reasonably satisfactory to the Administrative Agent. The Borrower hereby instructs such counsel to deliver such legal opinions.

6.4 Closing Certificates. The Administrative Agent shall have received a certificate (or certificates) of the Borrower, dated the Closing Date, in respect of the conditions set forth in Sections 6.7, 6.8 and 6.10, executed by an Authorized Officer of the Borrower, and attaching the documents referred to in Section 6.5.

6.5 Authorization of Proceedings of Each Credit Party. The Administrative Agent shall have received (a) a copy of the resolutions of the board of directors, other managers or general partner of each Credit Party (or a duly authorized committee thereof) authorizing (i) the execution, delivery and performance of the Credit Documents referred to in Section 6.1 (and any agreements relating thereto) to which it is a party and (ii) in the case of the Borrower, the extensions of credit contemplated hereunder, (b) true and complete copies of the Organizational Documents of each Credit Party and incumbency certification for each Credit Party, in each case, as of the Closing Date, and (c) good standing certificates (to the extent such concept exists in the relevant jurisdiction of organization) of the Borrower and the Guarantors.

6.6 Fees. All fees required to be paid on the Closing Date pursuant to this Agreement (or as separately agreed in writing with any Lender and/or Joint Lead Arranger) and all reasonable and documented out-of-pocket expenses required to be paid on the Closing Date pursuant to this Agreement, in the case of expenses, to the extent invoiced at least two (2) days prior to the Closing Date, shall have been paid on the Closing Date.

6.7 Representations and Warranties. All representations and warranties set forth in this Agreement and the other Credit Documents shall be true and correct in all material respects (or, if already qualified by materiality, in all respects) on the Closing Date (except to the extent any such representation or warranty is stated to relate solely to an earlier date, it shall be true and correct in all material respects (or, if already qualified by materiality, in all respects) as of such earlier date).

6.8 No Material Adverse Effect. No Material Adverse Effect shall have occurred since December 31, 2020.

6.9 Solvency Certificate. On the Closing Date, the Administrative Agent shall have received a customary solvency certificate from the chief financial officer of the Borrower in form and substance reasonably satisfactory to the Administrative Agent.

6.10 No Default or Event of Default. On the Closing Date (both immediately before and after giving effect to the Transactions), no Default or Event of Default shall have occurred and be continuing.

6.11 Patriot Act. The Administrative Agent and the Lenders shall have received (at least three Business Days prior to the Closing Date) all documentation and other information about the Borrower as has been reasonably requested in writing at least five Business Days prior to the Closing Date by the Administrative Agent or such Lender that is required by regulatory authorities under applicable "know your customer" and anti-money laundering rules and regulations, including without limitation the Patriot Act.

Section 7. Conditions Precedent to All Credit Events After the Closing Date.

The agreement of each Lender to make any Revolving Credit Loan requested to be made by it on any date is subject to the satisfaction or waiver of the conditions precedent set forth in the following Sections 7.1 and 7.2:

7.1 No Default; Representations and Warranties. At the time of each Credit Event and also after giving effect thereto (a) no Default or Event of Default shall have occurred and be continuing and (b) all representations and warranties made by any Credit Party contained herein or in the other Credit Documents shall be true and correct in all material respects (or, if already qualified by materiality, in all respects) with the same effect as though such representations and warranties had been made on and as of the date of such Credit Event (except where such representations and warranties expressly relate to an earlier date, in which case such representations and warranties shall have been true and correct in all material respects (or, if already qualified by materiality, in all respects) as of such earlier date).

7.2 Notice of Borrowing. Prior to the making of each Revolving Credit Loan, the Administrative Agent shall have received a Notice of Borrowing (whether in writing or by telephone) meeting the requirements of Section 2.3.

The acceptance of the benefits of each Credit Event shall constitute a representation and warranty by each Credit Party to each of the Lenders that all the applicable conditions specified in this Section 7 have been satisfied or waived as of that time to the extent required by this Section 7.

Section 8. Representations, Warranties and Agreements.

In order to induce the Lenders to enter into this Agreement, to make the Revolving Credit Loans as provided for herein, each of Holdings and the Borrower makes the following representations and warranties to, and agreements with, the Lenders, all of which shall survive the execution and delivery of this Agreement and the making of the Revolving Credit Loans:

8.1 Corporate Status; Compliance with Laws. Each of Holdings, the Borrower and each Material Subsidiary of the Borrower that is a Restricted Subsidiary ~~(e)~~ is a duly organized and validly existing corporation or other entity in good standing (as applicable) under the laws of the jurisdiction of its organization and has the corporate or other organizational power and authority to own its property and assets and to transact the business in which it is engaged, except as would not reasonably be expected to result in a Material Adverse Effect, ~~(f)~~ has duly qualified and is authorized to do business and is in good standing (if applicable) in all jurisdictions where it is required to be so qualified, except where the failure to be so qualified would not reasonably be expected to result in a Material Adverse Effect and ~~(g)~~ is in compliance with all Applicable Laws, except to the extent that the failure to be in compliance would not reasonably be expected to result in a Material Adverse Effect.

8.2 Corporate Power and Authority. Each Credit Party has the corporate or other organizational power and authority to execute, deliver and carry out the terms and provisions of the Credit Documents to which it is a party and has taken all necessary corporate or other organizational action to authorize the execution, delivery and performance of the Credit Documents to which it is a party. Each Credit Party has duly executed and delivered each Credit Document to which it is a party and each such Credit Document constitutes the legal, valid and binding obligation of such Credit Party enforceable in accordance with its terms, subject to the effects of bankruptcy, insolvency, fraudulent conveyance, reorganization and other similar laws relating to or affecting creditors' rights generally and general principles of equity (whether considered in a proceeding in equity or law) (provided that, with respect to the creation and perfection of security interests with respect to Indebtedness, Stock and Stock Equivalents of Foreign Subsidiaries, only to the extent the creation and perfection of such obligation is governed by the Uniform Commercial Code).

8.3 No Violation. Neither the execution, delivery or performance by any Credit Party of the Credit Documents to which it is a party nor the compliance with the terms and provisions thereof nor the consummation of the financing transactions contemplated hereby and thereby will ~~(h)~~ contravene

any applicable provision of any material Applicable Law (including material Environmental Laws) other than any contravention which would not reasonably be expected to result in a Material Adverse Effect, ~~(i)~~ result in any breach of any of the terms, covenants, conditions or provisions of, or constitute a default under, or result in the creation or imposition of any Lien upon any of the property or assets of Holdings, the Borrower or any Restricted Subsidiary (other than Liens created under the Credit Documents, Permitted Liens or Liens subject to an intercreditor agreement permitted hereby or the Collateral Trust Agreement) pursuant to the terms of any material indenture, loan agreement, lease agreement, mortgage, deed of trust or other material debt agreement or instrument to which Holdings, the Borrower or any Restricted Subsidiary is a party or by which it or any of its property or assets is bound (any such term, covenant, condition or provision, a "Contractual Requirement") other than any such breach, default or Lien that would not reasonably be expected to result in a Material Adverse Effect, or ~~(j)~~ violate any provision of the Organizational Documents of any Credit Party.

8.4 Litigation. Except as set forth on Schedule 8.4, there are no actions, suits or proceedings pending or, to the knowledge of the Borrower, threatened in writing with respect to Holdings, the Borrower or any of the Restricted Subsidiaries that have a reasonable likelihood of adverse determination and such determination could reasonably be expected to result in a Material Adverse Effect.

8.5 Margin Regulations. Neither the making of any Revolving Credit Loan hereunder nor the use of the proceeds thereof will violate the provisions of Regulation T, U or X of the Board.

8.6 Governmental Approvals. The execution, delivery and performance of the Credit Documents does not require any consent or approval of, registration or filing with, or other action by, any Governmental Authority, except for (i) such as have been obtained or made and are in full force and effect, (ii) filings and recordings in respect of the Liens created pursuant to the Security Documents and (iii) such licenses, authorizations, consents, approvals, registrations, filings or other actions the failure of which to obtain or make could not reasonably be expected to have a Material Adverse Effect.

8.7 Investment Company Act. None of the Credit Parties is required to be registered as an “investment company” under the Investment Company Act of 1940, as amended.

8.8 True and Complete Disclosure. None of the written factual information and written data (taken as a whole) heretofore or contemporaneously furnished by or on behalf of Holdings, the Borrower, any of the Subsidiaries of the Borrower or any of their respective authorized representatives to the Administrative Agent, any Joint Lead Arranger and/or any Lender on or before the Closing Date (including all such information and data contained in the Credit Documents) regarding Holdings, the Borrower and its Restricted Subsidiaries in connection with the Transactions for purposes of or in connection with this Agreement or any transaction contemplated herein contained any untrue statement of any material fact or omitted to state any material fact necessary to make such information and data (taken as a whole) not materially misleading at such time in light of the circumstances under which such information or data was furnished, it being understood and agreed that for purposes of this Section 8.8, such factual information and data shall not include projections or estimates (including financial estimates, forecasts and other forward-looking information) and information of a general economic or general industry nature.

8.9 No Material Adverse Effect. There has been no Material Adverse Effect since December 31, 2020/2021.

8.10 Tax Matters. Except where the failure of which could not be reasonably expected to have a Material Adverse Effect, (a) each of Holdings, the Borrower and each of the Restricted Subsidiaries has filed all federal income Tax returns and all other Tax returns, domestic and foreign,

required to be filed by it (after giving effect to all applicable extensions) and has paid all material Taxes payable by it that have become due (whether or not shown on such Tax return), other than those (i) not yet delinquent or (ii) contested in good faith as to which adequate reserves have been provided to the extent required by law and in accordance with GAAP, (b) each of Holdings, the Borrower and each of the Restricted Subsidiaries has provided adequate reserves in accordance with GAAP for the payment of, all federal, state, provincial and foreign Taxes not yet due and payable, and (c) each of Holdings, the Borrower and each of the Restricted Subsidiaries has satisfied all of its Tax withholding obligations.

8.11 Compliance with ERISA.

(a) Each Employee Benefit Plan is in compliance with ERISA, the Code and any Applicable Law; no Reportable Event has occurred (or is reasonably likely to occur) with respect to any Benefit Plan; no Multiemployer Plan is Insolvent or in reorganization (or is reasonably likely to be Insolvent or in reorganization), and no written notice of any such insolvency or reorganization has been given to the Borrower or any ERISA Affiliate; no Benefit Plan has an accumulated or waived funding deficiency (or is reasonably likely to have such a deficiency); on and after the effectiveness of the Pension Act, each Benefit Plan has satisfied the minimum funding standards (within the meaning of Section 412 of the Code or Section 302 of ERISA) applicable to such Benefit Plan, and there has been no determination that any such Benefit Plan is, or is expected to be, in “at risk” status (within the meaning of Section 4010(d)(2) of ERISA); none of the Borrower or any ERISA Affiliate has incurred (or is reasonably likely to incur) any liability to or on account of a Benefit Plan pursuant to Section 409, 502(i), 502(l), 515, 4062, 4063, 4064, 4069, 4201 or 4204 of ERISA or Section 4971 or 4975 of the Code; no proceedings have been instituted (or are reasonably likely to be instituted) to terminate or to reorganize any Benefit Plan or to appoint a trustee to administer any Benefit Plan, and no written notice of any such proceedings has been given to the Borrower or any ERISA Affiliate; and no Lien imposed under the Code or ERISA on the assets of the Borrower or any ERISA Affiliate exists (or is reasonably likely to exist) nor has the Borrower or any ERISA Affiliate been notified in writing that such a Lien will be imposed on the assets of Holdings, the Borrower or any ERISA Affiliate on account of any Benefit Plan, except to the extent that a breach of any of the representations, warranties or agreements in this Section 8.11(a) would not result, individually or in the aggregate, in an amount of liability that would be reasonably likely to have a Material Adverse Effect. No Benefit Plan has an Unfunded Current Liability that would, individually or when taken together with any other liabilities referenced in this Section 8.11(a), be reasonably likely to have a Material Adverse Effect. With respect to Benefit Plans that are Multiemployer Plans, the representations and warranties in this Section 8.11(a)), other than any made with respect to (i) liability under Section 4201 or 4204 of ERISA or (ii) liability for termination or reorganization of such Multiemployer Plans under ERISA, are made to the best knowledge of the Borrower.

(b) All Foreign Plans are in compliance with, and have been established, administered and operated in accordance with, the terms of such Foreign Plans and Applicable Law, except for any failure to so comply, establish, administer or operate the Foreign Plans as would not reasonably be expected to have a Material Adverse Effect. All contributions or other payments which are due with respect to each Foreign Plan have been made in full and there are no funding deficiencies thereunder, except to the extent any such events would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

8.12 Subsidiaries. Schedule 8.12 lists each Subsidiary of Holdings (and the direct and indirect ownership interest of Holdings therein), in each case existing on the Closing Date (after giving effect to the Transactions). Each Material Subsidiary as of the Closing Date has been so designated on Schedule 8.12.

8.13 Intellectual Property. Each of Holdings, the Borrower and the Restricted Subsidiaries has good and marketable title to, or a valid license or right to use, all patents, trademarks, servicemarks, trade names, copyrights and all applications therefor and licenses thereof, and all other intellectual property rights, free and clear of all Liens (other than Liens permitted by [Section 10.2](#)), that are necessary for the operation of their respective businesses as currently conducted, except where the failure to have any such title, license or rights could not reasonably be expected to have a Material Adverse Effect.

8.14 Environmental Laws. Except as could not reasonably be expected to have a Material Adverse Effect: (a) Holdings, the Borrower and the Restricted Subsidiaries and all Real Estate are in compliance with all Environmental Laws; (b) Holdings, the Borrower and the Restricted Subsidiaries have, and have timely applied for renewal of, all permits under Environmental Law to construct and operate their facilities as currently constructed; (c) except as set forth on [Schedule 8.14](#), neither Holdings, the Borrower nor any Restricted Subsidiary is subject to any pending or, to the knowledge of the Borrower, threatened Environmental Claim or any other liability under any Environmental Law, including any such Environmental Claim, or, to the knowledge of the Borrower, any other liability under Environmental Law related to, or resulting from the business or operations of any predecessor in interest of any of them; (d) none of Holdings, the Borrower or any Restricted Subsidiary is conducting or financing or, to the knowledge of the Borrower, is required to conduct or finance, any investigation, removal, remedial or other corrective action pursuant to any Environmental Law at any location; (e) to the knowledge of the Borrower, no Hazardous Materials have been released into the environment at, on or under any Real Estate currently owned or leased by Holdings, the Borrower or any Restricted Subsidiary and (f) neither Holdings, the Borrower nor any Restricted Subsidiary has treated, stored, transported, released, disposed or arranged for disposal or transport for disposal of Hazardous Materials at, on, under or from any currently or, to the knowledge of the Borrower, formerly owned or leased Real Estate or facility. Except as provided in this [Section 8.14](#), the Borrower and the Restricted Subsidiaries make no other representations or warranties regarding Environmental Laws.

8.15 Properties. Except as set forth on [Schedule 8.15](#), Holdings, the Borrower and the Restricted Subsidiaries have good title to or valid leasehold or easement interests or other license or use rights in all properties that are necessary for the operation of their respective businesses as currently conducted, free and clear of all Liens (other than any Liens permitted by this Agreement) and except where the failure to have such good title, leasehold or easement interests or other license or use rights could not reasonably be expected to have a Material Adverse Effect.

8.16 Solvency. On the Closing Date, after giving effect to the Transactions, immediately following the making of each Revolving Credit Loan on such date and after giving effect to the application of the proceeds of such Revolving Credit Loans, the Borrower on a consolidated basis with its Subsidiaries will be Solvent.

8.17 Security Interests. Subject to the terms, conditions and provisions of the Collateral Trust Agreement and any other applicable intercreditor agreement then in effect, with respect to each Credit Party, the Security Documents, taken as a whole, are effective to create in favor of the Collateral Representative, for the benefit of the applicable Secured Parties, a legal, valid and enforceable first priority security interest (subject to Liens permitted hereunder) in the Collateral described therein and proceeds thereof, in each case, to the extent required under the Security Documents, the enforceability of which is subject to applicable bankruptcy, insolvency, reorganization, moratorium or other laws affecting creditors' rights generally and subject to general principles of equity, regardless of whether considered in a proceeding in equity or at law. In the case of (i) the Stock described in the Pledge Agreement that is in the form of securities represented by stock certificates or otherwise constituting certificated securities within the meaning of Section 8-102(a)(15) of the New York UCC ("**Certificated Securities**"), when certificates representing such Stock are delivered to the Collateral Representative along with instruments of transfer in

blank or endorsed to the Collateral Representative, and (ii) all other Collateral constituting Real Estate or personal property described in the Security Agreement, when financing statements and other required filings, recordings, agreements and actions in appropriate form are executed and delivered, performed, recorded or filed in the appropriate offices, as the case may be, the Collateral Representative, for the benefit of the applicable Secured Parties, shall have a fully perfected Lien on, and security interest in, all right, title and interest of the Credit Parties in all Collateral that may be perfected by filing, recording or registering a financing statement or analogous document and the proceeds thereof (to the extent such Liens may be perfected by possession of the Certificated Securities by the Collateral Representative or such filings, agreements or other actions or perfection is otherwise required by the terms of any Credit Document), in each case, to the extent required under the Security Documents, as security for the Obligations, in each case prior and superior in right to any other Lien (except, in the case of Liens permitted hereunder).

8.18 Labor Matters. Except as, in the aggregate, could not reasonably be expected to have a Material Adverse Effect: (a) there are no strikes or other labor disputes against Holdings, the Borrower or any Restricted Subsidiary pending or, to the knowledge of the Borrower, threatened in writing; and (b) hours worked by and payment made for such work to employees of Holdings, the Borrower and each Restricted Subsidiary have not been in violation of the Fair Labor Standards Act or any other applicable Requirement of Law dealing with such matters.

8.19 Sanctioned Persons; Anti-Corruption Laws; Patriot Act; Beneficial Ownership. None of Holdings, the Borrower or any of its Subsidiaries or any of their respective directors or officers is subject to any economic embargoes or similar sanctions administered or enforced by the U.S. Department of State or the U.S. Department of Treasury (including the Office of Foreign Assets Control) or any other applicable sanctions authority (collectively, "**Sanctions**", and the associated laws, rules, regulations and orders, collectively, "**Sanctions Laws**"). Each of Holdings, the Borrower and its Subsidiaries and their respective officers and directors is in compliance, in all material respects, with (i) all Sanctions Laws, (ii) the United States Foreign Corrupt Practices Act of 1977, as amended, and any other applicable anti-bribery or anti-corruption laws, rules, regulations and orders (collectively, "**Anti-Corruption Laws**") and (iii) the Patriot Act and any other

applicable anti-terrorism and anti-money laundering laws, rules, regulations and orders. No part of the proceeds of the Revolving Credit Loans will be used, directly or indirectly, (A) for the purpose of financing any activities or business of or with any Person or in any country or territory that at such time is the subject of any Sanctions or (B) for any payments to any governmental official or employee, political party, official of a political party, candidate for political office, or anyone else acting in an official capacity, in order to obtain, retain or direct business or obtain any improper advantage, in violation in any material respect of any Anti-Corruption Law. The Borrower falls under an express exclusion from the "legal entity customer" definition under 31 C.F.R. § 1010.230(e)(2) and the applicable exclusion is 31 C.F.R. § 1020.315(b)(5).

8.20 Use of Proceeds The Borrower will use the proceeds of the Revolving Credit Loans in accordance with Section 9.13 of this Agreement.

8.21 Borrowing Base Certificate. The information set forth in each Borrowing Base Certificate is true and correct in all material respects as of the date such Borrowing Base Certificate is reporting as of.

Section 9. Affirmative Covenants.

The Borrower hereby covenants and agrees that on the Closing Date (immediately after giving effect to the Transactions) and thereafter, until the Revolving Credit Commitments have terminated and the Revolving Credit Loans, together with all interest, fees and all other Obligations (other than Contingent Obligations), are paid in full:

9.1 Information Covenants. The Borrower will furnish to the Administrative Agent (which shall promptly make such information available to the Lenders in accordance with its customary practice):

(a) **Annual Financial Statements.** On or before the date on which such financial statements are required to be filed with the SEC (after giving effect to any permitted extensions) (or, if such financial statements are not required to be filed with the SEC, no later than concurrently with delivery of the same to the lenders under the Senior Secured Credit Agreement pursuant to the terms thereof) the financial statements and related deliverables required to be delivered to the lenders under the Senior Secured Credit Agreement pursuant to Section 9.1(a) thereof.

(b) **Quarterly Financial Statements.** On or before the date on which such financial statements are required to be filed with the SEC (after giving effect to any permitted extensions) with respect to each of the first three quarterly accounting periods in each Fiscal Year of the Borrower (or, if such financial statements are not required to be filed with the SEC, no later than concurrently with delivery of the same to the lenders under the Senior Secured Credit Agreement pursuant to the terms thereof) the financial statements and related deliverables required to be delivered to the lenders under the Senior Secured Credit Agreement pursuant to Section 9.1(b) thereof.

(c) **Officer's Certificates.** Within five Business Days of the delivery of the financial statements provided for in Section 9.1(a), and 9.1(b), a certificate of an Authorized Officer of the Borrower to the effect that no Default or Event of Default exists or, if any Default or Event of Default does exist, specifying the nature and extent thereof, which certificate shall set forth (i) the calculations required to establish whether the Borrower and its Restricted Subsidiaries were in compliance with the provisions of Section 10.9 as at the end of such Fiscal Year or quarter (solely to the extent such covenant is required to be tested at the end of such Fiscal Year or quarter), as the case may be, and (ii) a specification of any change in the identity of the Restricted Subsidiaries, Unrestricted Subsidiaries and Excluded Project Subsidiaries as at the end of such Fiscal Year or quarter, as the case may be, from the Restricted Subsidiaries, Unrestricted Subsidiaries and Excluded Project Subsidiaries, respectively, most recently provided to the Lenders.

(d) **Notice of Default; Litigation; ERISA Event.** Promptly after an Authorized Officer of the Borrower or any Restricted Subsidiary obtains knowledge thereof, notice of (i) the occurrence of any event that constitutes a Default or Event of Default, which notice shall specify the nature thereof, the period of existence thereof and what action the Borrower proposes to take with respect thereto, (ii) any litigation, regulatory or governmental proceeding pending against the Borrower or any Restricted Subsidiary that has a reasonable likelihood of adverse determination and such determination could reasonably be expected to be determined adversely and, if so determined, to result in a Material Adverse Effect and (iii) the occurrence of any ERISA Event that would reasonably be expected to result in a Material Adverse Effect.

(e) **Other Information.** Promptly upon filing thereof, copies of any filings (including on Form 10-K, 10-Q or 8-K) or registration statements with, and reports to, the SEC or any analogous Governmental Authority in any relevant jurisdiction by Holdings, the Borrower or any Restricted Subsidiary (other than amendments to any registration statement (to the extent such registration statement, in the form it becomes effective, is delivered to the Administrative Agent), exhibits to any registration statement and, if applicable, any registration statements on Form S-8) and copies of all financial statements, proxy statements, notices and reports that Holdings, the Borrower or any Restricted Subsidiary shall send to the holders of any publicly issued debt with a principal amount in excess of \$300,000,000 of Holdings, the Borrower and/or any Restricted Subsidiary in their capacity as such

holders (in each case to the extent not theretofore delivered to the Administrative Agent pursuant to this Agreement).

(f) **Requested Information.** With reasonable promptness, following the reasonable request of the Administrative Agent, such other information (financial or otherwise) as the Administrative Agent on its own behalf or on behalf of any Lender (acting through the Administrative Agent) may reasonably request

in writing from time to time; provided that, notwithstanding anything to the contrary in this Section 9.1(f), none of Holdings, the Borrower or any of its Restricted Subsidiaries will be required to provide any such other information pursuant to this Section 9.1(f) to the extent that (i) the provision thereof would violate any attorney client privilege (as reasonably determined by counsel (internal or external) to the Credit Parties), law, rule or regulation, or any contractual obligation of confidentiality binding on the Credit Parties or their respective affiliates (so long as not entered into in contemplation hereof) or (ii) such information constitutes attorney work product (as reasonably determined by counsel (internal or external) to the Credit Parties).

(g) **Projections.** Within 90 days after the commencement of each Fiscal Year of the Borrower, a copy of the projections (collectively, the "Projections") required to be delivered to the lenders under Section 9.1(g) of the Senior Secured Credit Agreement; it being understood that such Projections and assumptions as to future events are not to be viewed as facts or a guarantee of performance, are subject to significant uncertainties and contingencies, many of which are beyond the control of the Borrower and its Subsidiaries, and that actual results may vary from such Projections and such differences may be material.

(h) **Reconciliations.** Simultaneously with the delivery of each set of consolidated financial statements referred to in Sections 9.1(a) and (b) above, a copy of the reconciliations required to be delivered to the lenders under Section 9.1(h) of the Senior Secured Credit Agreement.

(i) **Borrowing Base Certificates.** No later than 2:00 p.m. on each Calculation Date, the Borrower will furnish to the Administrative Agent a certificate substantially in the form of Exhibit F (or in another form reasonably satisfactory to the Administrative Agent) (each, a "Borrowing Base Certificate") showing the calculation of the Borrowing Base and each Borrowing Base Certificate shall be certified as true and correct in all material respects on behalf of the Borrower by an Authorized Officer of the Borrower.

(j) **Ratings.** Within five (5) Business Days after an Authorized Officer of the Borrower obtains knowledge thereof, notice of any actual published change in the public ratings of the Borrower, the senior secured long-term debt securities of the Borrower or the senior unsecured long-term debt securities or debt securities of the Borrower from any Rating Agency.

Notwithstanding the foregoing, the obligations in clauses (a), (b) and (e) of this Section 9.1 may be satisfied with respect to financial information of the Borrower and the Restricted Subsidiaries by furnishing (A) the applicable financial statements of Holdings or any direct or indirect parent of Holdings or (B) the Borrower's (or Holdings' or any direct or indirect parent thereof), as applicable, Form 8-K, 10-K or 10-Q, as applicable, filed with the SEC; provided that, with respect to each of subclauses (A) and (B) of this paragraph, to the extent such information relates to Holdings or a direct or indirect parent of Holdings, such information is accompanied by consolidating or other information that explains in reasonable detail the differences between the information relating to Holdings or such parent, on the one hand, and the information relating to the Borrower and its consolidated Restricted Subsidiaries on a standalone basis, on the other hand (reason; provided, however, that the Borrower Executive shall be required to give the Company at least sixty (60) days' advance written notice of any voluntary resignation of Executive's employment hereunder (other than resignation for Good Reason, which shall be subject to the notice provisions set forth in Section 2(f)) (and in such event the Company in its sole discretion may elect to accelerate Executive's date of termination of employment, it being understood that such termination shall still be treated as a voluntary resignation without Good Reason for purposes of this Agreement). Notwithstanding the foregoing, Executive's employment shall terminate automatically upon Executive's death.

(b) Following any termination of Executive's employment under no obligation this Agreement, except as provided under Sections 5(c), 5(d), and 5(e), the obligations of the Company to deliver such consolidating pay or other explanatory information if the Consolidated Total Assets provide Executive with compensation and benefits under Section 4 shall cease, and the Consolidated EBITDA Company shall have no further obligations to provide compensation or benefits to Executive hereunder, except (i) for payment of the Borrower any accrued but unpaid Base Salary and its consolidated Restricted Subsidiaries do not differ from the any accrued but unused vacation and for payment of any unreimbursed expenses under Section 4(e),

Consolidated Total Assets and the Consolidated EBITDA, respectively, of Holdings

in each case accrued or any direct or indirect parent of Borrower and its consolidated Subsidiaries by more than 2.5%). Documents required to be delivered pursuant to clauses (a), (b) and (e) of this Section 9.1 (to the extent any such documents are included in materials otherwise filed with the SEC) may be delivered electronically and if so delivered, shall be deemed to have been delivered on incurred through the date (i) on of termination of employment, payable as soon as practicable and in all events within thirty (30) days following the date of termination of employment, (ii) as explicitly set forth in any other benefit plans, programs, or arrangements applicable to terminated employees in which the Borrower posts such documents, or provides a link thereto on the Borrower's website as notified to the Administrative Agent; or (ii) on which such documents are posted on the Borrower's behalf on an Internet or intranet website, if any, or filed with the SEC, and

available in EDGAR (or any successor) to which each Lender and the Administrative Agent have access (whether a commercial, third-party website or whether sponsored by the Administrative Agent).

Notwithstanding anything to the contrary herein, it is understood and agreed that, so long each Lender is also a lender and/or a letter of credit issuer under the Senior Secured Credit Agreement, Executive participates (including, without limitation, equity award agreements), other than with respect to Sections 9.1(c) severance plans or policies, and 9.1(i), delivery of any of the items (iii) as otherwise expressly required to be delivered pursuant to this Section 9.1 shall not be required so long as such items have been delivered pursuant to the Senior Secured Credit Agreement.

9.2 Books, Records and Inspections.

(a) The Borrower will, and will cause each Restricted Subsidiary to, permit officers and designated representatives of the Administrative Agent or the Required Lenders (as accompanied by the Administrative Agent) to visit and inspect any of the properties or assets of the Borrower or such Restricted Subsidiary in whomsoever's possession to the extent that it is within such party's control to permit such inspection (and shall use commercially reasonable efforts to cause such inspection to be permitted to the extent that it is not within such party's control to permit such inspection), and to examine the books and records of the Borrower and any such Restricted Subsidiary (including, for applicable law. For the avoidance of doubt, except as otherwise provided below, any Unpaid Annual Bonus (as defined below) is forfeited if Executive's employment is terminated for any reason.

(c) If Executive's employment under this Agreement is terminated (i) by the Borrower's practice Company without Cause (other than due to death or Disability), (ii) by Executive for Good Reason, or (iii) due to expiration of the Term on the Expiration Date as a result of the Company delivering a notice of non-renewal as contemplated by Section 1, in addition to the payments and benefits specified in Section 5(b), Executive shall be entitled to receive: (i) severance pay in an aggregate amount (the "Severance Pay") equal to two times (2x) the sum of (A) Base Salary plus (B) the Target Bonus; (ii) a prorated Annual Bonus in respect of the fiscal year of termination equal to the product of (x) the amount of Annual Bonus that would have been payable to Executive had Executive's employment not so terminated based on actual performance measured through the fiscal year of termination, and (y) a fraction, the numerator of which is the number of days elapsed in the computation Company's fiscal year in which the termination occurs through such termination and the denominator of which is the number of days in such fiscal year (the "Prorated Bonus"); (iii) any accrued but unpaid Annual Bonus in respect of the Borrowing Base fiscal year prior to the fiscal year of termination (the "Unpaid Annual Bonus"); and (iv) continued health insurance benefits under the assets included in the Borrowing Base) and discuss the affairs, finances and accounts terms of the Borrower and applicable Company benefit plans for twenty-four (24) months, subject to Executive's payment of any the cost of such Restricted Subsidiary with, and be advised as benefits to the same by, its and their officers and independent accountants, all at such reasonable times and intervals and to such reasonable extent as the Administrative Agent or Required Lenders may desire (and subject, in the case of any such meetings or advice from such independent accountants, to such accountants' customary policies and procedures); provided that, excluding any such visits and inspections during the continuation of an Event of Default (a) only the Administrative Agent, whether on its own or in conjunction with the Required Lenders, may exercise rights active employees of the Administrative Agent and the Lenders under this Section 9.2, (b) the Administrative Agent shall not exercise such rights more than one time in any calendar year and (c) only one such visit shall be at the Borrower's expense; provided further that when an Event of Default exists, the Administrative Agent (or any of its representatives or independent contractors) or any representative of any Lender may do any of the foregoing at the expense of the Borrower at any time during normal business hours and upon reasonable advance notice. The Administrative Agent and the Required Lenders shall give the Borrower the opportunity to participate in any discussions with the Borrower's independent public accountants. Notwithstanding anything to the contrary in this Section 9.2, neither the Borrower nor any Restricted Subsidiary will be required under this Section 9.2 to disclose or permit the inspection or discussion of any document, information or other matter to the extent that such action would violate any attorney-client privilege (as reasonably determined by counsel (internal or external) to the Credit Parties), law, rule or regulation, or any contractual obligation of confidentiality (not created in contemplation thereof) binding on the Credit Parties or their respective affiliates or constituting attorney work product (as reasonably determined by counsel (internal or external) to the Credit Parties).

(b) The Borrower will, and will cause each Restricted Subsidiary to, maintain proper books of record and account, in which entries that Company are full, true and correct in all material respects and are in conformity, in all material respects, with GAAP shall be made of all material financial transactions

and matters involving the assets of the business of the Borrower or such Restricted Subsidiary, as the case may be (it being understood and agreed that any Restricted Subsidiary may maintain its individual books and records in conformity with local standards or customs and that such maintenance shall not constitute a breach of the representations, warranties or covenants hereunder).

9.3 Maintenance of Insurance. The Borrower will, and will cause each Material Subsidiary that is a Restricted Subsidiary to, maintain insurance coverages as and to the extent required by Section 9.3 of the Senior Secured Credit Agreement.

9.4 Payment of Taxes. The Borrower will pay and discharge, and will cause each of the Restricted Subsidiaries to pay and discharge, all Taxes, assessments and governmental charges or levies imposed upon it or upon its income or profits, or upon any properties belonging to it, prior to the date on which penalties attach thereto, and all lawful claims in respect of any Taxes imposed, assessed or levied that, if unpaid, could reasonably be expected to become a material Lien upon any properties of the Borrower or any Restricted Subsidiary of the Borrower; provided that neither the Borrower nor any such Restricted

Subsidiary shall be required to pay any for such tax, assessment, charge, levy or claim (i) that is being contested in good faith and by proper proceedings if it has maintained adequate reserves (in the good faith judgment of management of the Borrower) with respect thereto in accordance with GAAP or (ii) with respect benefits from time to which the failure to pay could not reasonably be expected to result in a Material Adverse Effect.

9.5 Consolidated Corporate Franchises. The Borrower will do, and will cause each Material Subsidiary that is a Restricted Subsidiary to do, or cause to be done, all things necessary to preserve and keep in full force and effect its existence, corporate rights and authority, except to the extent that the failure to do so could not reasonably be expected to have a Material Adverse Effect; time; provided, however, that the Borrower and the Restricted Subsidiaries may consummate any transaction otherwise permitted hereby, including such continuation coverage shall end earlier upon Executive's becoming eligible for comparable coverage under Section 10.2, 10.3, 10.4 or 10.5.

9.6 Compliance with Statutes, Regulations, Etc. The Borrower will, and will cause each Restricted Subsidiary to, comply with all Applicable Laws applicable to it or its property, including all governmental approvals or authorizations required to conduct its business, and to maintain all such governmental approvals or authorizations in full force and effect, in each case except where the failure to do so could not reasonably be expected to have a Material Adverse Effect.

9.7 Lender Calls. At the reasonable request of the Administrative Agent, the Borrower shall conduct a conference call that Lenders may attend to discuss the financial condition and results of operations of the Borrower and its Restricted Subsidiaries for the most recently ended measurement period for which financial statements have been delivered pursuant to Section 9.1(a) or 9.1(b) (beginning with the fiscal period of the Borrower ending March 31, 2022), at a date and time to be determined by the Borrower with reasonable advance notice to the Administrative Agent, limited to one conference call per fiscal quarter. Notwithstanding anything to the contrary herein, it is understood and agreed that, so long as the Administrative Agent and each Lender is also a lender or a letter of credit issuer under the Senior Secured Credit Agreement, the conference call(s) described in this Section 9.7 shall not be required so long as such conference call(s) have been conducted pursuant to the Senior Secured Credit Agreement.

9.8 Maintenance of Properties. The Borrower will, and will cause the Restricted Subsidiaries to, keep and maintain all property material to the conduct of its business in good working order and condition (ordinary wear and tear, casualty and condemnation excepted), except to the extent that the failure to do so could reasonably be expected to have a Material Adverse Effect.

9.9 Transactions with Affiliates. The Borrower will conduct, and cause the Restricted Subsidiaries to conduct, all transactions with any of its or their respective Affiliates as and to the extent required by Section 9.9 of the Senior Secured Credit Agreement.

9.10 End of Fiscal Years. The Borrower will, for financial reporting purposes, cause each of its, and the Restricted Subsidiaries' fiscal years to end on December 31 of each year (each a "Fiscal Year"); provided, however, that the Borrower may, upon written notice to the Administrative Agent change the Fiscal Year with the prior written consent of the Administrative Agent (not to be unreasonably withheld, conditioned, delayed or denied), in which case the Borrower and the Administrative Agent will, and are hereby authorized by the Lenders to, make any adjustments to this Agreement that are necessary in order to reflect such change in financial reporting.

9.11 Additional Guarantors and Grantors. Subject to any applicable limitations set forth in the Guarantee, the Security Documents, the Collateral Trust Agreement or any applicable intercreditor agreement and this Agreement (including Section 9.14), the Borrower will cause each direct or indirect Wholly-Owned Domestic Subsidiary of the Borrower (excluding any Excluded Subsidiary) formed or otherwise purchased or acquired after the Closing Date and each other Domestic Subsidiary of the Borrower that ceases to constitute an Excluded Subsidiary to, within 60 days from the date of such formation, acquisition or cessation (which in the case of any Excluded Subsidiary shall commence on the date of delivery of the certificate required by Section 9.1(c)), as applicable (or such longer period as the Administrative Agent may agree in its reasonable discretion; provided that, notwithstanding anything to the contrary herein, if the Administrative Agent (as defined in the Senior Secured Credit Agreement) agrees to an extension of such time period under Section 9.11 of the Senior Secured Credit Agreement, such extension shall be deemed to be automatically granted by the Administrative Agent hereunder), execute (A) a supplement to each of the Guarantee, the Pledge Agreement and the Security Agreement in order to become a Guarantor under such Guarantee, a pledgor under the Pledge Agreement and a grantor under such Security Agreement, respectively, (B) a joinder to the Intercompany Subordinated Note and (C) a joinder to the Collateral Trust Agreement.

9.12 Pledge of Additional Stock and Evidence of Indebtedness. Subject to any applicable limitations set forth in the Security Documents, the Collateral Trust Agreement and any applicable intercreditor agreement, and other than as otherwise contemplated by the Senior Secured Credit Agreement, the Borrower will comply, and will cause the other Credit Parties to comply, with the requirements of Section 9.12 of the Senior Secured Credit Agreement (and which Section 9.12 of the Senior Secured Credit Agreement is, as described in Section 1.2(m), deemed incorporated herein, *mutatis mutandis*).

9.13 Use of Proceeds. The Borrower will use the proceeds of the Revolving Credit Loans on or after the Closing Date, for working capital and general corporate purposes, in each case, to the extent not prohibited by this Agreement (including, without limitation, Permitted Acquisitions, permitted Investments, and permitted Dividends).

9.14 Further Assurances. The Borrower will comply, and will cause the other Credit Parties to comply, with the requirements of Section 9.14 of the Senior Secured Credit Agreement (which Section 9.14 of the Senior Secured Credit Agreement is, as described in Section 1.2(m), hereby incorporated herein,

mutatis mutandis). In addition, it is understood and agreed that, in the event that the Collateral Trust Agreement is terminated, the Credit Parties will enter into arrangements reasonably requested by the Administrative Agent with the Administrative Agent and any other applicable Persons simultaneously with such termination such that the Obligations remain secured by the Collateral with the same priority as immediately prior to such termination.

9.15 Changes in Business. The Borrower and the Restricted Subsidiaries, taken as a whole, will not fundamentally and substantively alter the character of their business, taken as a whole, from the business conducted by the Borrower and the Restricted Subsidiaries, taken as a whole, on the Closing Date and other business activities which are extensions thereof or otherwise similar, incidental, complementary, synergistic, reasonably related or ancillary to any of the foregoing (and non-core incidental businesses acquired in connection with any Permitted Acquisition or permitted Investment), in each case as determined by the Borrower in good faith.

9.16 [Reserved].

9.17 Collateral Suspension. Section 9.17 of the Senior Secured Credit Agreement is hereby incorporated herein in its entirety, *mutatis mutandis*.

Section 10. Negative Covenants.

The Borrower hereby covenants and agrees that on the Closing Date (immediately after giving effect to the Transactions) and thereafter, until the Revolving Credit Commitments have terminated and the Revolving Credit Loans, together with all interest, fees and all other Obligations (other than Contingent Obligations), are paid in full:

10.1 Limitation on Indebtedness. The Borrower will not, and will not permit the Restricted Subsidiaries to, create, incur, assume or suffer to exist any Indebtedness, except for Indebtedness permitted pursuant to Section 10.1 of the Senior Secured Credit Agreement.

10.2 Limitation on Liens. The Borrower will not, and will not permit the Restricted Subsidiaries to, create, incur, assume or suffer to exist any Lien upon any property or assets of any kind (real or personal, tangible or intangible) of the Borrower or such Restricted Subsidiary, whether now owned or hereafter acquired, except for Liens permitted pursuant to Section 10.2 of the Senior Secured Credit Agreement.

10.3 Limitation on Fundamental Changes. Except as permitted by Section 10.5 of the Senior Secured Credit Agreement, (a) the Borrower will not, and will not permit the Restricted Subsidiaries to, consummate any merger, consolidation or amalgamation, or liquidate, wind up or dissolve itself (or suffer any liquidation or dissolution) and (b) the Borrower will not, and will not permit the Restricted Subsidiaries to, convey, sell, lease, assign, transfer or otherwise consummate the disposition of, all or substantially all of the business units, assets or other properties of the Borrower and its Restricted Subsidiaries, taken as a whole, except (in each case) as permitted pursuant to Section 10.3 of the Senior Secured Credit Agreement.

10.4 Limitation on Sale of Assets. The Borrower will not, and will not permit the Restricted Subsidiaries to, (a) convey, sell, lease, assign, transfer or otherwise consummate the disposition of any of its property, business or assets (including receivables and leasehold interests), whether now owned or hereafter acquired or (b) consummate the sale to any Person (other than to the Borrower or a Subsidiary Guarantor) any shares owned by it of the Borrower's or any Restricted Subsidiary's Stock and Stock Equivalents, except (in each case) as permitted pursuant to Section 10.4 of the Senior Secured Credit Agreement.

10.5 Limitation on Investments. The Borrower will not, and will not permit the Restricted Subsidiaries, to make any Investment, except for Investments permitted pursuant to Section 10.5 of the Senior Secured Credit Agreement.

10.6 Limitation on Dividends. The Borrower will not declare or pay any dividends or return any capital to its stockholders or make any other distribution, payment or delivery of property or cash to its stockholders on account of such Stock and Stock Equivalents, or redeem, retire, purchase or otherwise acquire, directly or indirectly, for consideration, any shares of any class of its Stock or Stock Equivalents or set aside any funds for any of the foregoing purposes, (other than dividends payable solely in its Stock or Stock Equivalents (other than Disqualified Stock) (all of the foregoing, "**dividends**")), except for dividends permitted pursuant to Section 10.6 of the Senior Secured Credit Agreement.

10.7 Limitations on Debt Payments and Amendments.

(a) The Borrower will not, and will not permit the Restricted Subsidiaries to, voluntarily prepay, repurchase or redeem or otherwise defease any Junior Indebtedness, except for any such prepayment, repurchase, redemption or defeasement permitted pursuant to Section 10.7(a) of the Senior Secured Credit Agreement.

(b) The Borrower will not, and will not permit the Restricted Subsidiaries to waive, amend, or modify any Indebtedness with a principal amount in excess of \$300,000,000 that is subordinated in right of payment to the Obligations, in each case, that to the extent that any such waiver, amendment or modification, taken as a whole, would be adverse to the Lenders in any material respect other than in connection with (i) a refinancing or replacement of such Indebtedness permitted hereunder or (ii) in a manner expressly permitted by, or not prohibited under, the applicable intercreditor or subordination terms or

agreement(s) governing the relationship between the Lenders, on the one hand, and the lenders or purchasers of the applicable subordinated Indebtedness, on the other hand.

(c) The Borrower and its Restricted Subsidiaries may make AHYDO Catch-Up Payments relating to Indebtedness of the Borrower and its Restricted Subsidiaries.

10.8 **Limitations on Sale Leasebacks.** The Borrower will not, and will not permit the Restricted Subsidiaries to, enter into or effect any Sale Leasebacks after the Closing Date, except for Permitted Sale Leasebacks.

10.9 **Consolidated First Lien Net Leverage Ratio Financial Covenant.** ~~The (i) Other than during any Investment Grade Period, the~~ Borrower will not permit the Consolidated First Lien Net Leverage Ratio, calculated as of the last day of the most recent fiscal quarter of the Borrower for which financial statements were required to have been furnished to the Administrative Agent pursuant to Section 9.1(a) or (b) ~~(commencing with the fiscal quarter ending March 31, 2022), solely during~~ solely with respect to any Compliance Quarter, to exceed 4.25 to 1.00 ~~and (ii) during any Investment Grade Period, the Borrower will not permit the Consolidated Total Net Leverage Ratio, calculated as of the last day of the most recent fiscal quarter of the Borrower for which financial statements were required to have been furnished to the Administrative Agent pursuant to Section 9.1(a) or (b), solely with respect to any Compliance Quarter, to exceed 5.50 to 1.00.~~

10.10 **Limitation on Subsidiary Distributions.** The Borrower will not, and will not permit any Restricted Subsidiary that is not a Guarantor to, directly or indirectly, create or otherwise cause or suffer to exist or become effective any consensual encumbrance or consensual restriction on the ability of any such Restricted Subsidiary to (x) (i) pay dividends or make any other

distributions to the Borrower or any Restricted Subsidiary that is a Guarantor on its Stock or Stock Equivalents or with respect to any other interest or participation in, or measured by, its profits or (ii) pay any Indebtedness owed to the Borrower or any Restricted Subsidiary that is a Guarantor, (y) make loans or advances to the Borrower or any Restricted Subsidiary that is Guarantor or (z) sell, lease or transfer any of its properties or assets to the Borrower or any Restricted Subsidiary that is a Guarantor, except (in each case) for such encumbrances or restrictions permitted pursuant to Section 10.10 of the Senior Secured Credit Agreement.

10.11 **Amendment of Organizational Documents.** The Borrower will not, nor will the Borrower permit any Credit Party to, amend or otherwise modify any of its Organizational Documents in a manner that is materially adverse to the Lenders, except as required by Applicable Laws.

10.12 **Permitted Activities.** Holdings will not engage in any material operating or business activities, except as permitted pursuant to Section 10.12 of the Senior Secured Credit Agreement.

Section 11. Events of Default.

Upon the occurrence of any of the following specified events (each an "Event of Default"):

11.1 **Payments.** The Borrower shall (a) default in the payment when due of any principal of the Revolving Credit Loans, (b) default, and such default shall continue for more than five Business Days, in the payment when due of any interest on the Revolving Credit Loans or (c) default, and such default shall continue for more than ten Business Days, in the payment when due of any Fees or any other amounts owing hereunder or under any other Credit Document; or

11.2 **Representations, Etc.** Any representation, warranty or statement made or deemed made by any Credit Party herein or in any other Credit Document or any certificate delivered or required to be delivered pursuant hereto or thereto shall prove to be materially untrue on the date as of which made or deemed made, and, to the extent capable of being cured, such incorrect representation and warranty shall remain incorrect in any material respect for a period of thirty days after written notice thereof from the Administrative Agent to the Borrower; or

11.3 **Covenants.** Any Credit Party shall:

(a) default in the due performance or observance by it of any term, covenant or agreement contained in Section 9.1(d)(i) (provided that notice of such default at any time shall timely cure the failure to provide such notice), Section 9.1(i) (and such default shall have continued unremedied for a period of at least one (1) Business Day after the applicable Borrowing Base Certificate was required to be delivered), Section 9.5 (solely with respect to the Borrower) or Section 10 (but, with respect to Section 10.9, subject to the terms of Section 11.13); or

(b) default in the due performance or observance by it of any term, covenant or agreement (other than those referred to in Section 11.1 or 11.2 or clause (a) of this Section 11.3) contained in this Agreement or any other Credit Document and such default shall continue unremedied for a period of at least 30 calendar days after receipt of written notice by the Borrower from the Administrative Agent or the Required Lenders; or

11.4 **Default Under Other Agreements.** (a) The Borrower or any Restricted Subsidiary shall (i) default in any payment with respect to any Indebtedness (other than any Indebtedness described in Section 11.1, Hedging Obligations or Indebtedness under any Permitted Receivables Financing) in excess

of \$300,000,000 in the aggregate for the Borrower and such Restricted Subsidiaries beyond the period of grace or cure and following all required notices, if any, provided in the instrument or agreement under which such Indebtedness was created or (ii) default in the observance or performance of any agreement or

condition relating to any such Indebtedness or contained in any instrument or agreement evidencing, securing or relating thereto, or any other event shall occur or condition exist (other than any agreement or condition relating to, or provided in any instrument or agreement, under which such Hedging Obligations or such Permitted Receivables Financing was created) beyond the period of grace or cure and following all required notices, if any, provided in the instrument or agreement under which such Indebtedness was created, if the effect of which default or other event or condition is to cause, or to permit the holder or holders of such Indebtedness (or a trustee or agent on behalf of such holder or holders) to cause, any such Indebtedness to become due or to be repurchased, prepaid, defeased or redeemed (automatically or otherwise), or an offer to repurchase, prepay, defease or redeem such Indebtedness to be made, prior to its stated maturity; or (b) without limiting the provisions of clause (a) above, any such Indebtedness shall be declared to be due and payable, or required to be prepaid other than by a regularly scheduled required prepayment (other than any Hedging Obligations or Indebtedness under any Permitted Receivables Financing) or as a mandatory prepayment, prior to the stated maturity thereof; provided that clauses (a) and (b) above shall not apply to secured Indebtedness that becomes due as a result of the voluntary sale or transfer of the property or assets securing such Indebtedness, if such sale or transfer is permitted hereunder and under the documents providing for such Indebtedness; provided, further, that this Section 11.4 shall not apply to (i) any Indebtedness if the sole remedy of the holder thereof following such event or condition is to elect to convert such Indebtedness into Stock or Stock Equivalents (other than Disqualified Stock) and cash in lieu of fractional shares or (ii) any such default that is remedied by or waived (including in the form of amendment) by the requisite holders of the applicable item of Indebtedness or contested in good faith by the Borrower or the applicable Restricted Subsidiary in either case, prior to acceleration of all the Revolving Credit Loans pursuant to this Section 11; or

11.5 Bankruptcy. Except as otherwise permitted under Section 10.3, (i) the Borrower or any Material Subsidiary shall commence a voluntary case, proceeding or action concerning itself under (a) Title 11 of the United States Code entitled "Bankruptcy," or (b) in the case of any Foreign Subsidiary that is a Material Subsidiary, any domestic or foreign law relating to bankruptcy, judicial management, insolvency, reorganization, administration or relief of debtors in effect in its jurisdiction of incorporation, in each case as now or hereafter in effect, or any successor thereto (collectively, the "**Bankruptcy Code**"); (ii) an involuntary case, proceeding or action is commenced against the Borrower or any Material Subsidiary and the petition is not controverted within 60 days after commencement of the case, proceeding or action; (iii) an involuntary case, proceeding or action is commenced against the Borrower or any Material Subsidiary and the petition is not dismissed or stayed within 60 consecutive days after commencement of the case, proceeding or action; (iv) a custodian (as defined in the Bankruptcy Code), judicial manager, receiver, receiver manager, trustee, administrator or similar person is appointed for, or takes charge of, all or substantially all of the property of the Borrower or any Material Subsidiary; (v) the Borrower or any Material Subsidiary commences any other voluntary proceeding or action under any reorganization, arrangement, adjustment of debt, relief of debtors, dissolution, insolvency, administration or liquidation or similar law of any jurisdiction whether now or hereafter in effect relating to the Borrower or any Material Subsidiary; (vi) there is commenced against the Borrower or any Material Subsidiary any such proceeding or action that remains undismissed or unstayed for a period of 60 consecutive days; (vii) the Borrower or any Material Subsidiary is adjudicated insolvent or bankrupt; (viii) any order of relief or other order approving any such case or proceeding or action is entered; (ix) the Borrower or any Material Subsidiary suffers any appointment of any custodian, receiver, receiver manager, trustee, administrator or the like for it or any substantial part of its property to continue undischarged or unstayed for a period of 60 consecutive days; (x) the Borrower or any Material Subsidiary makes a general assignment for the another employer's benefit of creditors; or (xi) any corporate action is taken by the Borrower or any Material Subsidiary for the purpose of authorizing any of the foregoing; or

11.6 ERISA. (a) The occurrence of any ERISA Event, (b) any Plan shall fail to satisfy the minimum funding standard required for any plan year or part thereof or a waiver of such standard or

extension of any amortization period is sought or granted under Section 412 of the Code; any Plan is or shall have been terminated or is the subject of termination proceedings under ERISA (including the giving of written notice thereof); an event shall have occurred or a condition shall exist in either case entitling the PBGC to terminate any Plan or to appoint a trustee to administer any Plan (including the giving of written notice thereof); any Plan shall have an accumulated funding deficiency (whether or not waived); the Borrower or any ERISA Affiliate has incurred or is likely to incur a liability to or on account of a Plan under Section 409, 502(i), 502(l), 515, 4062, 4063, 4064, 4069, 4201 or 4204 of ERISA or Section 4971 or 4975 of the Code (including the giving of written notice thereof); (c) there could result from any event or events set forth in clause (b) of this Section 11.6 the imposition of a Lien, the granting of a security interest, or a liability, or the reasonable likelihood of incurring a Lien, security interest or liability; and (d) such ERISA Event, Lien, security interest or liability will or would be reasonably likely to have a Material Adverse Effect; or

11.7 Guarantee. Any Guarantee provided by Holdings, the Borrower or any Material Subsidiary or any material provision thereof shall cease to be in full force or effect (other than pursuant to the terms hereof or thereof) or any such Guarantor thereunder or any other Credit Party shall deny or disaffirm in writing any such Guarantor's obligations under the Guarantee; or

11.8 Pledge Agreement. Any Pledge Agreement pursuant to which the Stock or Stock Equivalents of the Borrower or any Material Subsidiary of the Borrower is pledged or any material provision thereof shall cease to be in full force or effect (other than pursuant to the terms hereof or thereof or due to any defect arising as a result of acts or omissions of the Collateral Agent, the Collateral Trustee or any Lender which do not result from a material breach by a Credit Party of its obligations under the Credit Documents) or any pledgor thereunder or any other Credit Party shall deny or disaffirm in writing such pledgor's obligations under any Pledge Agreement; or

11.9 Security Agreement. The Security Agreement or any other material Security Document pursuant to which the assets of any Credit Party are pledged as Collateral or any material provision thereof shall cease to be in full force or effect in respect of Collateral with an individual fair market value in excess of \$100,000,000 at any time or \$300,000,000 in the aggregate (other than pursuant to the terms hereof or thereof or any defect arising as a result of acts or omissions of the Collateral Agent, the Collateral Trustee or any Lender which do not result from a material breach by a Credit Party of its obligations under the Credit Documents) or any grantor thereunder or any other Credit Party shall deny or disaffirm in writing such grantor's obligations under the Security Agreement or any other such Security Document; or

11.10 Judgments. One or more final judgments or decrees shall be entered against the Borrower or any Restricted Subsidiary involving a liability requiring the payment of \$300,000,000 or more in the aggregate for all such final judgments and decrees for the Borrower and the Restricted Subsidiaries (to the extent not paid or covered by indemnity or insurance provided by a carrier that has not denied coverage) and any such final judgments or decrees shall not have been satisfied, vacated, discharged or stayed or bonded pending appeal within 60 consecutive days after the entry thereof; or

11.11 Change of Control. A Change of Control shall occur:

(a) then, and in any such event, and at any time thereafter, if any Event of Default shall then be continuing, subject to the terms of the Collateral Trust Agreement and any other applicable intercreditor agreement, the Administrative Agent and/or Collateral Agent, as applicable, shall, at the written request of the Required Lenders, by written notice to the Borrower, take any or all of the following actions, without prejudice to the rights of the Administrative Agent or any Lender to enforce its claims against the Borrower, except as otherwise specifically provided for in this Agreement (provided that, if

an Event of Default specified in Section 11.5 shall occur with respect to the Borrower, the result that would occur upon the giving of written notice by the Administrative Agent as specified in clauses (i), (ii), (iv) and (v) below shall occur automatically without the giving of any such notice): (i) declare the Total Revolving Credit Commitment terminated, whereupon the Revolving Credit Commitment, if any, of each Lender shall forthwith terminate immediately and any Fees theretofore accrued shall forthwith become due and payable without any other notice of any kind; (ii) declare the principal of and any accrued interest and Fees in respect of any or all Revolving Credit Loans and any or all Obligations owing hereunder and under any other Credit Document to be, whereupon the same shall become, forthwith due and payable without presentment, demand, protest or other notice of any kind, all of which are hereby waived by the Borrower; (iii) [reserved]; (iv) direct the Collateral Representative to enforce any and all Liens and security interests created pursuant to the Security Documents (or direct the Collateral Agent to cause the Collateral Trustee to enforce any and all Liens and security interests created pursuant to the Security Documents, as applicable); and/or (v) enforce any and all of the Administrative Agent's rights under the Guarantee.

(b) Notwithstanding anything to the contrary contained herein, any Event of Default under this Agreement or similarly defined term under any other Credit Document, other than any Event of Default which cannot be waived without the written consent of each Lender directly and adversely affected thereby, shall be deemed not to be "continuing" if the events, act or condition that gave rise to such Event of Default have been remedied or cured (including by payment, notice, taking of any action or omitting to take any action) or have ceased to exist and the Borrower is in compliance with this Agreement and/or such other Credit Document.

11.12 Application of Proceeds.

(a) Subject to clauses (b) and (c) below, any amount received by the Administrative Agent, the Collateral Trustee or the Collateral Agent from any Credit Party (or from proceeds of any Collateral) following any acceleration of the Obligations under this Agreement or any Event of Default with respect to the Borrower under Section 11.5 shall be applied in accordance with the Collateral Trust Agreement and any other applicable intercreditor agreement.

(b) In the event that either (x) the Collateral Trust Agreement or any applicable intercreditor agreement directs the application with respect to any Collateral be made with reference to this Agreement or the other Credit Documents or (y) the Collateral Trust Agreement has been terminated and no intercreditor agreement is then in effect, any amount received by the Administrative Agent, the Collateral Trustee or the Collateral Agent from any Credit Party (or from proceeds of any Collateral) (and all amounts deposited therein or credited thereto), in each case, following any acceleration of the Obligations under this Agreement or any Event of Default with respect to the Borrower under Section 11.5 shall be applied:

(i) First, to the payment of all reasonable costs and expenses, fees, commissions and taxes of such sale, collection or other realization including compensation to the Administrative Agent, Collateral Agent and their agents and counsel, and all expenses, liabilities and advances made or incurred by the Administrative Agent and Collateral Agent in connection therewith and all amounts for which the Administrative Agent and Collateral Agent is entitled to indemnification pursuant to the provisions of any Credit Document, together with interest on each such amount at the highest rate then in effect under this Agreement from and after the date such amount is due, owing or unpaid until paid in full;

(ii) Second, to the payment of all other reasonable costs and expenses of such sale, collection or other realization including all costs, liabilities and advances made or incurred by the

other Secured Parties in connection therewith, together with interest on each such amount at the highest rate then in effect under this Agreement from and after the date such amount is due, owing or unpaid until paid in full;

(iii) Third, without duplication of amounts applied pursuant to clauses (i) and (ii) above, to the indefeasible payment in full in cash, pro rata, of interest and other amounts constituting Obligations, in each case equally and ratably in accordance with the respective amounts thereof then due and owing;

(iv) Fourth, to the payment in full in cash, pro rata, of principal amount of the Obligations and any premium thereon; and

(v) Fifth, the balance, if any, to the person lawfully entitled thereto (including the applicable Credit Party or its successors or assigns) or as a court of competent jurisdiction may direct.

11.13 Right to Cure.

(a) Notwithstanding anything to the contrary contained in Section 11.3(a), in the event that the Borrower fails to comply with the requirement of the covenant set forth in Section 10.9, until the expiration of the fifteenth Business Day after the date on which Section 9.1 Financials with respect to the Test Period in which the covenant set forth in such Section is being measured are required to be delivered pursuant to Section 9.1 (the "Cure Period"), Holdings or any other Person shall have the right to make a direct or indirect equity investment (in the form of cash common equity or otherwise in a form reasonably acceptable to the Administrative Agent) in the Borrower (the "Cure Right"), and upon receipt by the Borrower of the net cash proceeds pursuant to the exercise of the Cure Right (including through the capital contribution of any such net cash proceeds to the Borrower, the "Cure Amount"), the covenant set forth in such Section shall be recalculated, giving effect to the pro forma increase to Consolidated EBITDA for such Test Period in an amount equal to such Cure Amount; provided that (i) such pro forma adjustment to Consolidated EBITDA shall be given solely for the purpose of calculating the covenant set forth in such Section with respect to any Test Period that includes the fiscal quarter for which such Cure Right was exercised and not for any other purpose under any Credit Document, (ii) unless actually applied to Indebtedness, there shall be no pro forma reduction in Indebtedness with the proceeds of any Cure Right for determining compliance with Section 10.9 for the fiscal quarter in respect of which such Cure Right is exercised (either directly through prepayment or indirectly as a result of the netting of Unrestricted Cash for purposes of the definitions of Consolidated Total Debt) and (iii) subject to clause (ii), no other adjustment under any other financial definition shall be made as a result of the exercise of any Cure Right.

(b) If, after the exercise of the Cure Right and the recalculations pursuant to clause (a) above, the Borrower shall then be in compliance with the requirements of the covenant set forth in Section 10.9 during such Test Period (including for the purposes of Section 7), the Borrower shall be deemed to have satisfied the requirements of such covenant as of the relevant date of determination with the same effect as though there had been no failure to comply therewith at such date, and the applicable Default or Event of Default under Section 11.3 that had occurred shall be deemed cured for purposes of this Agreement; provided that (i) no more than one Cure Right may be exercised during the term of this Agreement and (ii) with respect to any exercise of the Cure Right, the Cure Amount shall be no greater than the amount required to cause the Borrower to be in compliance with the covenant set forth in Section 10.9.

(c) Neither the Administrative Agent nor any Lender shall exercise the right to accelerate the Revolving Credit Loans or terminate the Revolving Credit Commitments and none of the Administrative Agent, any Lender or any other Secured Bank Party shall exercise any right to foreclose on or take possession of the Collateral or exercise any other remedy prior to the expiration of the Cure Period solely on the basis of an Event of Default having occurred and being continuing with respect to a failure to comply with the requirement of the covenant set forth in Section 10.9 (it being understood that no Revolving Credit Lender shall be required to fund Revolving Credit Loans during any such Cure Period).

(d) Notwithstanding anything to the contrary herein, if the Borrower fails to comply with the covenants set forth in Section 10.9 of this Agreement and Section 10.9 of the Senior Secured Credit Agreement for any Compliance Quarter, any exercise of a Cure Right (as defined in the Senior Secured Credit Agreement) pursuant to Section 11.13 thereof shall automatically be deemed to be an exercise of a Cure Right hereunder (which exercise shall be subject to this Section 11.13 in all respects).

Section 12. The Agents.

12.1 Appointment.

(a) Each Secured Bank Party (other than the Administrative Agent) hereby irrevocably designates and appoints the Administrative Agent as the agent of such Secured Bank Party under this Agreement and the other Credit Documents and irrevocably authorizes the Administrative Agent, in such capacity, to take such action on its behalf under the provisions of this Agreement and the other Credit Documents and to exercise such powers and perform such duties as are expressly delegated to the Administrative Agent by the terms of this Agreement and the other Credit Documents, together with such other powers as are reasonably incidental thereto. The provisions of this Section 12 (other than this Section 12.1 and Sections 12.9 and 12.12 with respect to the Borrower) are solely for the benefit of the Agents and the other Secured Bank Parties, and the Borrower shall not have any rights as a third party beneficiary of such provision. Notwithstanding any provision to the contrary elsewhere in this Agreement, no Agent shall have any duties or responsibilities, except those expressly set forth herein or in any other Credit Document, any fiduciary relationship with any other Secured Bank Party or any agency or trust obligations with respect to any Credit

Party, and no implied covenants, functions, responsibilities, duties, obligations or liabilities shall be read into this Agreement or any other Credit Document or otherwise exist against such Agent.

(b) The Secured Bank Parties hereby irrevocably designate and appoint the Collateral Representative as the agent with respect to the Collateral, and each of the Secured Bank Parties hereby irrevocably authorizes the Collateral Representative, in such capacity, to take such action on its behalf under the provisions of this Agreement and the other Credit Documents and to exercise such powers and perform such duties as are expressly delegated to the Collateral Representative by the terms of this Agreement and the other Credit Documents, together with such other powers as are reasonably incidental thereto. In addition, the Secured Bank Parties hereby irrevocably designate and appoint the Collateral Agent as an additional agent with respect to the Collateral, and each Secured Bank Party hereby irrevocably authorizes the Collateral Agent, in such capacity, to take such action on its behalf under the provisions of this Agreement and the other Credit Documents and to exercise such powers and perform such duties as are expressly delegated to the Collateral Agent by the terms of this Agreement and the other Credit Documents, together with such other powers as are reasonably incidental thereto. Notwithstanding any provision to the contrary elsewhere in this Agreement, the Collateral Agent shall have no duties or responsibilities except those expressly set forth herein or in any other Credit Document, any fiduciary relationship with any of the other Secured Bank Parties or any agency or trust obligations with respect to any Credit Party, and no implied covenants, functions, responsibilities, duties, obligations

or liabilities shall be read into this Agreement or any other Credit Document or otherwise exist against the Collateral Agent.

(c) Each of the Joint Lead Arrangers, in its capacity as such, shall not have any obligations, duties or responsibilities under this Agreement but shall be entitled to all benefits of this Section 12.

12.2 Delegation of Duties. The Administrative Agent and the Collateral Agent may each execute any of its duties under this Agreement and the other Credit Documents by or through agents, sub-agents, employees or attorneys-in-fact and shall be entitled to advice of counsel concerning all matters pertaining to such duties. Neither the Administrative Agent nor the Collateral Agent shall be responsible for the negligence or misconduct of any agents, sub-agents or attorneys-in-fact selected by it in the absence of gross negligence or willful misconduct (as determined in the final non-appealable judgment of a court of competent jurisdiction).

12.3 Exculpatory Provisions.

(a) No Agent nor any of its officers, directors, employees, agents, attorneys-in-fact or Affiliates shall be (a) liable for any action lawfully taken or omitted to be taken by any of them under or in connection with this Agreement or any other Credit Document (except for its or such Person's own gross negligence or willful misconduct, as determined in the final non-appealable judgment of a court of competent jurisdiction, in connection with its duties expressly set forth herein) or (b) responsible in any manner to any of the Lenders or any participant for any recitals, statements, representations or warranties made by any of Holdings, the Borrower, any other Guarantor, any other Credit Party or any officer thereof contained in this Agreement or any other Credit Document or in any certificate, report, statement or other document referred to or provided for in, or received by such Agent under or in connection with, this Agreement or any other Credit Document or for the value, validity, effectiveness, genuineness, enforceability or sufficiency of this Agreement or any other Credit Document, or the perfection or priority of any Lien or security interest created or purported to be created under the Security Documents, or for any failure of Holdings, the Borrower, any other Guarantor or any other Credit Party to perform its obligations hereunder or thereunder. No Agent shall be under any obligation to any other Secured Bank Party to ascertain or to inquire as to the observance or performance of any of the agreements contained in, or conditions of, this Agreement or any other Credit Document, or to inspect the properties, books or records of any Credit Party or any Affiliate thereof.

(b) Each Lender confirms to the Administrative Agent, the Collateral Agent, each other Lender and each of their respective Related Parties that it (i) possesses (individually or through its Related Parties) such knowledge and experience in financial and business matters that it is capable, without reliance on the Administrative Agent, the Collateral Agent, any other Lender or any of their respective Related Parties, of evaluating the merits and risks (including tax, legal, regulatory, credit, accounting and other financial matters) of (x) entering into this Agreement, (y) making Revolving Credit Loans and other extensions of credit hereunder and under the other Credit Documents and (z) in taking or not taking actions hereunder and thereunder, (ii) is financially able to bear such risks and (iii) has determined that entering into this Agreement and making Revolving Credit Loans and other extensions of credit hereunder and under the other Credit Documents is suitable and appropriate for it.

(c) Each Lender acknowledges that (i) it is solely responsible for making its own independent appraisal and investigation of all risks arising under or in connection with this Agreement and the other Credit Documents, (ii) that it has, independently and without reliance upon the Administrative Agent, the Collateral Agent, any other Lender or any of their respective Related Parties, made its own appraisal and investigation of all risks associated with, and its own credit analysis and

decision to enter into, this Agreement based on such documents and information, as it has deemed appropriate and (iii) it will, independently and without reliance upon the Administrative Agent, the Collateral Agent, any other Lender or any of their respective Related Parties, continue to be solely responsible for making its own appraisal and investigation of all risks arising under or in connection with, and its own credit analysis and decision to take or not take action under,

this Agreement and the other Credit Documents based on such documents and information as it shall from time to time deem appropriate, which may include, in each case:

- (i) the financial condition, status and capitalization of the Borrower and each other Credit Party;
- (ii) the legality, validity, effectiveness, adequacy or enforceability of this Agreement and each other Credit Document and any other agreement, arrangement or document entered into, made or executed in anticipation of, under or in connection with any Credit Document;
- (iii) determining compliance or non-compliance with any condition hereunder to the making of a Revolving Credit Loan and the form and substance of all evidence delivered in connection with establishing the satisfaction of each such condition; and
- (iv) the adequacy, accuracy and/or completeness of any information delivered by the Administrative Agent, the Collateral Agent, any other Lender or by any of their respective Related Parties under or in connection with this Agreement or any other Credit Document, the transactions contemplated hereby and thereby or any other agreement, arrangement or document entered into, made or executed in anticipation of, under or in connection with any Credit Document.

12.4 Reliance by Agents. The Administrative Agent and the Collateral Agent shall be entitled to rely, and shall be fully protected in relying, upon any writing, resolution, notice, consent, certificate, affidavit, letter, telecopy, telex, electronic mail, or teletype message, statement, order or other document or instruction believed by it in good faith to be genuine and correct and to have been signed, sent or made by the proper Person or Persons and upon advice and statements of legal counsel (including counsel to Holdings and/or the Borrower), independent accountants and other experts selected by the Administrative Agent or the Collateral Agent. The Administrative Agent may deem and treat the Lender specified in the Register with respect to any amount owing hereunder as the owner thereof for all purposes unless a written notice of assignment, negotiation or transfer thereof shall have been filed with the Administrative Agent. The Administrative Agent and the Collateral Agent shall be fully justified in failing or refusing to take any action under this Agreement or any other Credit Document unless it shall first receive such advice or concurrence of the Required Lenders as it deems appropriate or it shall first be indemnified to its satisfaction by the Lenders against any and all liability and expense that may be incurred by it by reason of taking or continuing to take any such action. The Administrative Agent and the Collateral Agent shall in all cases be fully protected in acting, or in refraining from acting, under this Agreement and the other Credit Documents in accordance with a request of the Required Lenders, and such request and any action taken or failure to act pursuant thereto shall be binding upon all the Lenders and all future holders of the Revolving Credit Loans; provided that none of the Administrative Agent or the Collateral Agent shall be required to take any action that, in its opinion or in the opinion of its counsel, may expose it to liability or that is contrary to any Credit Document or Applicable Law. For purposes of determining compliance with the conditions specified in Sections 6 and 7 on the Closing Date, each Lender that has signed or authorized the signing of this Agreement shall be deemed to have consented to, approved or accepted or to be satisfied with, each document or other matter required thereunder to be consented to or approved by or acceptable or satisfactory to a Lender unless the Administrative Agent shall have received notice from such Lender prior to the proposed Closing Date specifying its objection thereto.

12.5 Notice of Default. Neither the Administrative Agent nor the Collateral Agent shall be deemed to have knowledge or notice of the occurrence of any Default or Event of Default hereunder unless the Administrative Agent or the Collateral Agent, as applicable, has received notice from a Lender, Holdings or the Borrower referring to this Agreement, describing such Default or Event of Default and stating that such notice is a "notice of default". In the event that the Administrative Agent or the Collateral Agent receives such a notice, it shall give notice thereof to the Lenders, the Collateral Representative and either the Administrative Agent or the Collateral Agent, as applicable. The Administrative Agent, the Collateral Agent and the Collateral Trustee shall take such action with respect to such Default or Event of Default as shall be reasonably directed by the Required Lenders; provided that unless and until the Administrative Agent, the Collateral Agent or the Collateral Trustee, as applicable, shall have received such directions, the Administrative Agent, the Collateral Agent or the Collateral Trustee, as applicable, may (but shall not be obligated to) take such action, or refrain from taking such action, with respect to such Default or Event of Default as is within its authority to take under this Agreement and otherwise as it shall deem advisable in the best interests of the Lenders except to the extent that this Agreement requires that such action be taken only with the approval of the Required Lenders or each of the Lenders, as applicable.

12.6 Non-Reliance on Administrative Agent, Collateral Agent and Other Lenders. Each Lender expressly acknowledges that none of the Administrative Agent, the Collateral Agent or any of their respective officers, directors, employees, agents, attorneys-in-fact or Affiliates has made any representations or warranties to it and that no act by the Administrative Agent or the Collateral Agent hereinafter taken, including any review of the affairs of Holdings, the Borrower, any other Guarantor or any other Credit Party, shall be deemed to constitute any representation or warranty by the Administrative Agent or the Collateral Agent to any Lender. Each Lender represents to Administrative Agent and the Collateral Agent that it has, independently and without reliance upon the Administrative Agent, Collateral Agent or any other Lender, and based on such documents and information as it has deemed appropriate, made its own appraisal of and investigation into the business, operations, property, financial and other condition and creditworthiness of Holdings, the Borrower, each other Guarantor and each other Credit Party and made its own decision to make its Revolving Credit Loans hereunder and enter into this Agreement. Each Lender also represents that it will, independently and without reliance upon the Administrative Agent, Collateral Agent or any other Lender, and based on such documents and information as it shall deem appropriate at the time, continue to make its own credit analysis, appraisals and decisions in taking or not taking action under this Agreement and the other Credit Documents, and to make such investigation as it deems necessary to inform itself as to the business, operations, property, financial and other condition and creditworthiness of Holdings, the Borrower, each other Guarantor and each other Credit Party. Except for notices, reports and other

documents expressly required to be furnished to the Lenders by the Administrative Agent hereunder, none of the Administrative Agent or the Collateral Agent shall have any duty or responsibility to provide any Lender with any credit or other information concerning the business, assets, operations, properties, financial condition, prospects or creditworthiness of Holdings, the Borrower, any other Guarantor or any other Credit Party that may come into the possession of the Administrative Agent, the Collateral Agent or any of their respective officers, directors, employees, agents, attorneys-in-fact or Affiliates.

12.7 Indemnification. The Lenders agree to indemnify each Agent, each in its capacity as such (to the extent not reimbursed by the Credit Parties and without limiting the obligation of the Credit Parties to do so), ratably according to their respective portions of the Revolving Credit Exposure in effect on the date on which indemnification is sought (or, if indemnification is sought after the date upon which the Revolving Credit Commitments shall have terminated and the Revolving Credit Loans shall have been paid in full, ratably in accordance with their respective portions of the Revolving Credit Exposure in effect immediately prior to such date), from and against any and all liabilities, obligations, losses, damages, penalties, actions, judgments, suits, costs, expenses or disbursements of any kind whatsoever that may at any time occur (including at any time following the payment of the Revolving Credit Loans) be imposed

on, incurred by or asserted against such Agent, including all fees, disbursements and other charges of counsel to the extent required to be reimbursed by the Credit Parties pursuant to Section 13.5, in any way relating to or arising out of the Revolving Credit Commitments, this Agreement, any of the other Credit Documents or any documents contemplated by or referred to herein or therein or the transactions contemplated hereby or thereby or any action taken or omitted by such Agent under or in connection with any of the foregoing (**SUBJECT TO THE PROVISIO BELOW, WHETHER OR NOT CAUSED BY OR ARISING IN WHOLE OR IN PART, OUT OF THE COMPARATIVE, CONTRIBUTORY OR SOLE ORDINARY NEGLIGENCE OF THE INDEMNIFIED PERSON**); provided that no Lender shall be liable to any Agent for the payment of any portion of such liabilities, obligations, losses, damages, penalties, actions, judgments, suits, costs, expenses or disbursements resulting from such Agent's gross negligence or willful misconduct as determined by a final non-appealable judgment of a court of competent jurisdiction; provided, further, that no action taken in accordance with the directions of the Required Lenders (or such other number or percentage of the Lenders as shall be required by the Credit Documents) shall be deemed to constitute gross negligence or willful misconduct for purposes of this Section 12.7. In the case of any investigation, litigation or proceeding giving rise to any liabilities, obligations, losses, damages, penalties, actions, judgments, suits, costs, expenses or disbursements of any kind whatsoever that may at any time occur, be imposed upon, incurred by or asserted against the Administrative Agent or the Collateral Agent in any way relating to or arising out of the Revolving Credit Commitments, this Agreement, any of the other Credit Documents or any documents contemplated by or referred to herein or therein or the transactions contemplated hereby or thereby or any action taken or omitted by such Agent under or in connection with any of the foregoing (including at any time following the payment of the Revolving Credit Loans), this Section 12.7 applies whether any such investigation, litigation or proceeding is brought by any Lender or any other Person. Without limitation of the foregoing, each Lender shall reimburse such Agent upon demand for its ratable share of any costs or out-of-pocket expenses (including attorneys' fees) incurred by such Agent in connection with the preparation, execution, delivery, administration, modification, amendment or enforcement (whether through negotiations, legal proceedings or otherwise) of, or legal advice rendered in respect of rights or responsibilities under, this Agreement, any other Credit Document, or any document contemplated by or referred to herein, to the extent that such Agent is not reimbursed for such expenses by or on behalf of the Borrower; provided that such reimbursement by the Lenders shall not affect the Borrower's continuing reimbursement obligations with respect thereto. If any indemnity furnished to any Agent for any purpose shall, in the opinion of such Agent, be insufficient or become impaired, such Agent may call for additional indemnity and cease, or not commence, to do the acts indemnified against until such additional indemnity is furnished; provided in no event shall this sentence require any Lender to indemnify any Agent against any liability, obligation, loss, damage, penalty, action, judgment, suit, cost, expense or disbursement in excess of such Lender's *pro rata* portion thereof; and provided further, this sentence shall not be deemed to require any Lender to indemnify any Agent against any liability, obligation, loss, damage, penalty, action, judgment, suit, cost, expense or disbursement resulting from such Agent's gross negligence or willful misconduct (as determined by a final non-appealable judgment of court of competent jurisdiction). The agreements in this Section 12.7 shall survive the payment of the Revolving Credit Loans and all other amounts payable hereunder.

12.8 Agents in their Individual Capacities. Each Agent and its Affiliates may make loans to, accept deposits from and generally engage in any kind of business with Holdings, the Borrower, any other Guarantor, and any other Credit Party as though such Agent were not an Agent hereunder and under the other Credit Documents. With respect to the Revolving Credit Loans made by it, each Agent shall have the same rights and powers under this Agreement and the other Credit Documents as any Lender and may exercise the same as though it were not an Agent, and the terms "Lender" and "Lenders" shall include each Agent in its individual capacity.

12.9 Successor Agents. (a) Each of the Administrative Agent and Collateral Agent may resign at any time by notifying the other Agent, the Lenders and the Borrower. Upon receipt of any

such notice of resignation, the Required Lenders shall have the right, subject to the consent of the Borrower (not to be unreasonably withheld or delayed), to appoint a successor, which shall be a bank with an office in the United States, or an Affiliate of any such bank with an office in the United States. If no such successor shall have been so appointed by the Required Lenders and shall have accepted such appointment within 30 days after the retiring Agent gives notice of its resignation, then the retiring Agent may on behalf of the Lenders, appoint a successor Agent meeting the qualifications set forth above (including receipt of the Borrower's consent); provided that if such Agent shall notify the Borrower and the Lenders that no qualifying Person (including as a result of the absence of consent of the Borrower) has accepted such appointment, then such resignation shall nonetheless become effective in accordance with such notice and (x) the retiring Agent shall be discharged from its duties and obligations hereunder and under the other Credit Documents (except that in the case of any collateral security held by

the Collateral Agent on behalf of the Secured Parties under any of the Credit Documents, the retiring Collateral Agent shall continue to hold such collateral security until such time as a successor Collateral Agent is appointed) and (y) all payments, communications and determinations provided to be made by, to or through such Agent shall instead be made by or to each Lender directly, until such time as the Required Lenders with (except after the occurrence and during the continuation of an Event of Default under [Section 11.1](#) or [11.5](#)) the consent of the Borrower (not to be unreasonably withheld) appoint successor Agents as provided for above in this paragraph. Upon the acceptance of a successor's appointment as the Administrative Agent or Collateral Agent, as the case may be, hereunder, and upon the execution and filing or recording of such financing statements, or amendments thereto, and such amendments or supplements to the Mortgages, and such other instruments or notices, as may be necessary or desirable, or as the Required Lenders may request, in order to continue the perfection of the Liens granted or purported to be granted by the Security Documents, such successor shall succeed to and become vested with all of the rights, powers, privileges and duties of the retiring (or retired) Agent, and the retiring Agent shall be discharged from all of its duties and obligations hereunder or under the other Credit Documents (if not already discharged therefrom as provided above in this Section). The fees payable by the Borrower (following the effectiveness of such appointment) to such Agent shall be the same as those payable to its predecessor unless otherwise agreed between the Borrower and such successor. After the retiring Agent's resignation hereunder and under the other Credit Documents, the provisions of this [Section 12](#) (including [Section 12.7](#)) and [Section 13.5](#) shall continue in effect for the benefit of such retiring Agent, its sub-agents and their respective Related Parties in respect of any actions taken or omitted to be taken by any of them while the retiring Agent was acting as an Agent.

12.10 Withholding Tax. To the extent required by any Applicable Law, the Administrative Agent may withhold from any interest payment to any Lender an amount equivalent to any applicable withholding Tax. If the Internal Revenue Service or any authority of the United States or other jurisdiction asserts a claim that the Administrative Agent did not properly withhold Tax from amounts paid to or for the account of any Lender (because the appropriate form was not delivered, was not properly executed, or because such Lender failed to notify the Administrative Agent or of a change in circumstances that rendered the exemption from, or reduction of, withholding Tax ineffective, or for any other reason), such Lender shall indemnify the Administrative Agent (to the extent that the Administrative Agent has not already been reimbursed by the Borrower (solely to the extent required by this Agreement) and without limiting the obligation of the Borrower to do so) fully for all amounts paid, directly or indirectly, by the Administrative Agent as Tax or otherwise, including penalties and interest, together with all expenses incurred, including legal expenses, allocated staff costs and any out of pocket expenses.

12.11 Trust Indenture Act. In the event that Citibank, N.A. or any of its Affiliates shall be or become an indenture trustee under the Trust Indenture Act of 1939 (as amended, the "**Trust Indenture Act**") in respect of any securities issued or guaranteed by any Credit Party, each Credit Party and each Lender agrees that any payment or property received in satisfaction of or in respect of any Obligation of such Credit Party hereunder or under any other Credit Document by or on behalf of Citibank, N.A., in its capacity as the Administrative Agent or the Collateral Agent for the benefit of any Lender or Secured Party

under any Credit Document (other than Citibank, N.A. or an Affiliate of Citibank, N.A.) and which is applied in accordance with the Credit Documents shall be deemed to be exempt from the requirements of Section 311 of the Trust Indenture Act pursuant to Section 311(b)(3) of the Trust Indenture Act.

12.12 Collateral Trust Agreement; Intercreditor Agreements; Security Documents; Guarantee. Each Secured Bank Party hereby irrevocably designates and appoints the Collateral Representative as the agent with respect to the Collateral, each Secured Bank Party hereby irrevocably authorizes the Collateral Representative, in such capacity, to take such action on its behalf under the provisions of this Agreement and the other Credit Documents and to exercise such powers and perform such duties as are expressly delegated to the Collateral Representative by the terms of this Agreement and the other Credit Documents, together with such other powers as are reasonably incidental thereto. Each of the Administrative Agent, the Collateral Agent and the Collateral Trustee is hereby authorized to enter into the Collateral Trust Agreement (and any applicable joinder thereto) and any other intercreditor agreement contemplated hereby, and the parties hereto acknowledge that the Collateral Trust Agreement (and any applicable joinder thereto) and any other intercreditor agreement to which the Collateral Agent, the Collateral Trustee and/or the Administrative Agent is a party are each binding upon them. Each Secured Bank Party (a) hereby agrees that it will be bound by and will take no actions contrary to the provisions of the Collateral Trust Agreement (and any applicable joinder thereto) and any such other intercreditor agreement and (b) hereby authorizes and instructs the Collateral Agent, the Collateral Trustee and the Administrative Agent to enter into any First Lien Intercreditor Agreement and any Junior Lien Intercreditor Agreement and to subject the Liens on the Collateral securing the Obligations to the provisions thereof. In addition, each Secured Bank Party hereby authorizes the Collateral Agent, the Collateral Trustee and the Administrative Agent to enter into (i) any amendments, supplements and joinders to the Collateral Trust Agreement and (ii) any other intercreditor arrangements, in the case of clauses (i) and (ii) to the extent required to give effect to the establishment of intercreditor rights and privileges as contemplated and required by [Section 10.2](#) of this Agreement. The terms of [Section 12.13\(a\)](#) of the Senior Secured Credit Agreement are hereby incorporated herein, *mutatis mutandis*.

12.13 Erroneous Payments.

(a) If the Administrative Agent (x) notifies a Lender or Secured Bank Party, or any Person who has received funds on behalf of a Lender or Secured Bank Party (any such Lender, Secured Bank Party or other recipient other than a Credit Party (and each of their respective successors and assigns), a "**Payment Recipient**") that the Administrative Agent has determined in its reasonable discretion (whether or not after receipt of any notice under immediately succeeding [clause \(b\)](#)) that any funds (as set forth in such notice from the Administrative Agent) received by such Payment Recipient from the Administrative Agent or any of its Affiliates were erroneously or mistakenly transmitted to, or otherwise erroneously or mistakenly received by, such Payment Recipient (whether or not known to such Lender, Secured Bank Party or other Payment Recipient on its behalf) (any such funds, whether transmitted or received as a payment, prepayment or repayment of principal, interest, fees, distribution or otherwise, individually and collectively, an "**Erroneous Payment**") and (y) demands in writing

the return of such Erroneous Payment (or a portion thereof), such Erroneous Payment shall at all times remain the property of the Administrative Agent pending its return or repayment as contemplated below in this [Section 12.13](#) and held in trust for the benefit of the Administrative Agent, and such Lender or Secured Bank Party shall (or, with respect to any Payment Recipient who received such funds on its behalf, shall cause such Payment Recipient to) promptly, but in no event later than two Business Days thereafter (or such later date as the Administrative Agent may, in its sole discretion, specify in writing), return to the Administrative Agent the amount of any such Erroneous Payment (or portion thereof) as to which such a demand was made, in same day funds (in the currency so received), together with interest thereon (except to the extent waived in writing by the Administrative Agent) in respect of each day from and including the date such Erroneous Payment (or portion thereof) was received by such Payment Recipient to the date

such amount is repaid to the Administrative Agent in same day funds at the greater of the Overnight Rate and a rate determined by the Administrative Agent in accordance with banking industry rules on interbank compensation from time to time in effect. A notice of the Administrative Agent to any Payment Recipient under this [clause \(a\)](#) shall be conclusive, absent manifest error.

(b) Without limiting immediately preceding [clause \(a\)](#), each Lender, Secured Bank Party or any Person who has received funds on behalf of a Lender or Secured Bank Party (and each of their respective successors and assigns), agrees that if it receives a payment, prepayment or repayment (whether received as a payment, prepayment or repayment of principal, interest, fees, distribution or otherwise) from the Administrative Agent (or any of its Affiliates) (x) that is in a different amount than, or on a different date from, that specified in this Agreement or in a notice of payment, prepayment or repayment sent by the Administrative Agent (or any of its Affiliates) with respect to such payment, prepayment or repayment, (y) that was not preceded or accompanied by a notice of payment, prepayment or repayment sent by the Administrative Agent (or any of its Affiliates), or (z) that such Lender or Secured Bank Party, or other such recipient, otherwise becomes aware was transmitted, or received, in error or by mistake (in whole or in part), then in each such case:

- (i) it acknowledges and agrees that (A) in the case of immediately preceding [clauses \(x\)](#) or [\(y\)](#), an error and mistake shall be presumed to have been made (absent written confirmation from the Administrative Agent to the contrary) or (B) an error and mistake has been made (in the case of immediately preceding [clause \(z\)](#)), in each case, with respect to such payment, prepayment or repayment; and
- (ii) such Lender or Secured Bank Party shall (and shall cause any other recipient that receives funds on its respective behalf to) promptly (and, in all events, within one Business Day of its knowledge of the occurrence of any of the circumstances described in immediately preceding [clauses \(x\)](#), [\(y\)](#) and [\(z\)](#)) notify the Administrative Agent of its receipt of such payment, prepayment or repayment, the details thereof (in reasonable detail) and that it is so notifying the Administrative Agent pursuant to this [Section 12.13\(b\)](#).

For the avoidance of doubt, the failure to deliver a notice to the Administrative Agent pursuant to this [Section 12.13\(b\)](#) shall not have any effect on a Payment Recipient's obligations pursuant to [Section 12.13\(a\)](#) or on whether or not an Erroneous Payment has been made.

(c) Each Lender or Secured Bank Party hereby authorizes the Administrative Agent to set off, net and apply any and all amounts at any time owing to such Lender or Secured Bank Party under any Credit Document, or otherwise payable or distributable by the Administrative Agent to such Lender or Secured Bank Party under any Credit Document with respect to any payment of principal, interest, fees or other amounts, against any amount that the Administrative Agent has demanded to be returned under immediately preceding [clause \(a\)](#).

(d) (i) In the event that an Erroneous Payment (or portion thereof) is not recovered by the Administrative Agent for any reason, after demand therefor in accordance with immediately preceding [clause \(a\)](#), from any Lender that has received such Erroneous Payment (or portion thereof) (and/or from any Payment Recipient who received such Erroneous Payment (or portion thereof) on its respective behalf) (such unrecovered amount, an "Erroneous Payment Return Deficiency"), upon the Administrative Agent's notice to such Lender at any time, then effective immediately (with the consideration therefor being acknowledged by the parties hereto), (A) such Lender shall be deemed to

have assigned its Revolving Credit Loans (but not its Revolving Credit Commitments) with respect to which such Erroneous Payment was made (the "Erroneous Payment Impacted Class") in an amount equal to the Erroneous Payment Return Deficiency (or such lesser amount as the Administrative Agent may specify) (such assignment of the Revolving Credit Loans (but not Revolving Credit Commitments) of the Erroneous Payment Impacted Class, the "Erroneous Payment Deficiency Assignment") (on a cashless basis and such amount calculated at par plus any accrued and unpaid interest (with the assignment fee to be waived by the Administrative Agent in such instance)), and is hereby (together with the Borrower) deemed to execute and deliver an Assignment and Acceptance (or, to the extent applicable, an agreement incorporating an Assignment and Acceptance by reference pursuant to a Platform as to which the Administrative Agent and such parties are participants) with respect to such Erroneous Payment Deficiency Assignment, and such Lender shall deliver any promissory notes evidencing such Revolving Credit Loans to the Borrower or the Administrative Agent (but the failure of such Person to deliver any such promissory notes shall not affect the effectiveness of the foregoing assignment), (B) the Administrative Agent as the assignee Lender shall be deemed to have acquired the Erroneous Payment Deficiency Assignment, (C) upon such deemed acquisition, the Administrative Agent as the assignee Lender shall become a Lender, as applicable, hereunder with respect to such Erroneous Payment Deficiency Assignment and the assigning Lender shall cease to be a Lender, as applicable, hereunder with respect to such Erroneous Payment Deficiency Assignment, excluding, for the avoidance of doubt, its obligations under the

indemnification provisions of this Agreement and its applicable Revolving Credit Commitments which shall survive as to such assigning Lender, (D) the Administrative Agent and the Borrower shall each be deemed to have waived any consents required under this Agreement to any such Erroneous Payment Deficiency Assignment, and (E) the Administrative Agent will reflect in the Register its ownership interest in the Loans subject to the Erroneous Payment Deficiency Assignment. For the avoidance of doubt, no Erroneous Payment Deficiency Assignment will reduce the Revolving Credit Commitments of any Lender and such Revolving Credit Commitments shall remain available in accordance with the terms of this Agreement.

(ii) Subject to Section 13.6 (but excluding, in all events, any assignment consent or approval requirements (whether from the Borrower or otherwise)), the Administrative Agent may, in its discretion, sell any Revolving Credit Loans acquired pursuant to an Erroneous Payment Deficiency Assignment and upon receipt of the proceeds of such sale, the Erroneous Payment Return Deficiency owing by the applicable Lender shall be reduced by the net proceeds of the sale of such Revolving Credit Loan (or portion thereof), and the Administrative Agent shall retain all other rights, remedies and claims against such Lender (and/or against any recipient that receives funds on its respective behalf). In addition, an Erroneous Payment Return Deficiency owing by the applicable Lender (x) shall be reduced by the proceeds of prepayments or repayments of principal and interest, or other distribution in respect of principal and interest, received by the Administrative Agent on or with respect to any such Revolving Credit Loans acquired from such Lender pursuant to an Erroneous Payment Deficiency Assignment (to the extent that any such Revolving Credit Loans are then owned by the Administrative Agent) and (y) may, in the sole discretion of the Administrative Agent, be reduced by any amount specified by the Administrative Agent in writing to the applicable Lender from time to time.

(e) The parties hereto agree that (x) irrespective of whether the Administrative Agent may be equitably subrogated, in the event that an Erroneous Payment (or portion thereof) is not recovered from any Payment Recipient that has received such Erroneous Payment (or portion thereof) for any reason, the Administrative Agent shall be subrogated to all the rights and interests of such Payment Recipient (and, in the case of any Payment Recipient who has received funds on behalf of a Lender or Secured Bank Party, to the rights and interests of such Lender or Secured Bank Party, as the case may be) under the Credit Documents with respect to such amount (the **"Erroneous Payment Subrogation Rights"**) (provided that the Credit Parties' Obligations under the Credit Documents in respect of the Erroneous Payment Subrogation Rights shall not be duplicative of such Obligations in respect of

Revolving Credit Loans that have been assigned to the Administrative Agent under an Erroneous Payment Deficiency Assignment) and (y) an Erroneous Payment shall not pay, prepay, repay, discharge or otherwise satisfy any Obligations owed by the Borrower or any other Credit Party; provided that this Section 12.13(e) shall not be interpreted to increase (or accelerate the due date for), or have the effect of increasing (or accelerating the due date for), the Obligations of the Borrower relative to the amount (and/or timing for payment) of the Obligations that would have been payable had such Erroneous Payment not been made by the Administrative Agent; provided, further, that for the avoidance of doubt, immediately preceding clauses (x) and (y) shall not apply to the extent any such Erroneous Payment is, and solely with respect to the amount of such Erroneous Payment that is, comprised of funds received by the Administrative Agent from the Borrower for the purpose of making such Erroneous Payment.

(f) To the extent permitted by applicable law, no Payment Recipient shall assert any right or claim to an Erroneous Payment, and hereby waives, and is deemed to waive, any claim, counterclaim, defense or right of set-off or recoupment with respect to any demand, claim or counterclaim by the Administrative Agent for the return of any Erroneous Payment received, including, without limitation, any defense based on "discharge for value" or any similar doctrine.

(g) Each party's obligations, agreements and waivers under this Section 12.13 shall survive the resignation or replacement of the Administrative Agent, any transfer of rights or obligations by, or the replacement of, a Lender, the termination of the Commitments and/or the repayment, satisfaction or discharge of all Obligations (or any portion thereof) under any Credit Document.

Section 13. Miscellaneous.

13.1 **Amendments, Waivers and Releases.** Neither this Agreement nor any other Credit Document, nor any terms hereof or thereof, may be amended, supplemented or modified except in accordance with the provisions of this Section 13.1. The Required Lenders may, or, with the written consent of the Required Lenders, the Administrative Agent and/or the Collateral Agent may, from time to time, (a) enter into with the relevant Credit Party or Credit Parties written amendments, supplements or modifications hereto and to the other Credit Documents for the purpose of adding any provisions to this Agreement or the other Credit Documents or changing in any manner the rights of the Lenders or of the Credit Parties hereunder or thereunder or (b) waive in writing, on such terms and conditions as the Required Lenders or the Administrative Agent and/or Collateral Agent, as the case may be, may specify in such instrument, any of the requirements of this Agreement or the other Credit Documents or any Default or Event of Default and its consequences; provided, however, that each such waiver and each such amendment, supplement or modification shall be effective only in the specific instance and for the specific purpose for which given; plans; and provided, further, that no to the extent that the provision of such waiver and no such amendment, supplement or modification shall:

(i) forgive or reduce any portion of any Revolving Credit Loan or extend continuation coverage is not permitted under the final scheduled maturity date of any Revolving Credit Loan or reduce the stated rate, or forgive any portion, or extend the date for the payment, of any interest or Fee payable hereunder (other than as a result of waiving the applicability of any post-default increase in interest rates), or extend the final expiration date of any Lender's Revolving Credit Commitment, or increase the aggregate amount terms of the Revolving Credit Commitments Company benefit plans or would result in an adverse tax consequence to the Company, the Company may alternatively provide Executive with a monthly cash payment in an amount equal

to the applicable COBRA premium that Executive would otherwise be required to pay to obtain COBRA continuation coverage for such benefits for twenty-four (24) months (assuming that COBRA continuation coverage were available for such period) (minus the cost of any Lender, in each case without such benefits to the written consent same extent that active employees of each Lender directly and adversely affected thereby; the Company are required to pay for such benefits from time to time) (the "provided Healthcare Severance Benefits" that, in each case for purposes of this clause (i)), a waiver of any condition precedent commencing as provided in Section 6 23(c), or Section 7 of this Agreement, the waiver of any Default, Event of Default, default interest, mandatory prepayment or reductions, any modification, waiver or amendment to the financial definitions or financial ratios or any component thereof or the waiver of any other covenant shall not constitute an increase of any Revolving Credit Commitment of a Lender, a reduction or forgiveness of any portion of any

Revolving Credit Loan or in the interest rates or the fees or premiums or a postponement of any date scheduled for the payment of principal or interest or an extension of the final maturity of any Revolving Credit Loan, or the scheduled termination date of any Revolving Credit Commitment; or

(ii) amend, modify or waive any provision of this Section 13.1 or reduce the percentages specified in the definition of the term "Required Lenders", consent to the assignment or transfer by Holdings or the Borrower of their respective rights and obligations under any Credit Document to which it is a party (except as permitted pursuant to Section 10.3) or Section 11.12 or Section 3.4 of the Collateral Trust Agreement, in each case without the written consent of each Lender directly and adversely affected thereby, or

(iii) amend, modify or waive any provision of Section 12 without the written consent of the then-current Administrative Agent and Collateral Agent or any other former or current Agent to whom Section 12 then applies in a manner that directly and adversely affects such Person, or

(iv) amend, modify or waive the definition of the term "Borrowing Base" or any component definition used therein (including, for the avoidance of doubt, any change to the Deemed Hedge Portfolio) if, as a result thereof, the amounts available to be borrowed by the Borrower would be changed increased without the written consent of each Lender the Supermajority Lenders, or

(v) release all or substantially all of the value of the Guarantors under the Guarantee (except as expressly permitted by the Guarantee or this Agreement) or, subject to the Collateral Trust Agreement, release all or substantially all of the Collateral under the Security Documents (except as expressly permitted by the Security Documents or this Agreement), in either case without the prior written consent of each Lender.

Any such waiver and any such amendment, supplement or modification shall apply equally to each of the affected Lenders and . The Severance Pay shall be binding upon Holdings, paid in equal installments during the Borrower, the applicable Credit Parties, such Lenders, the Administrative Agent and all future holders of the affected Revolving Credit Loans.

In the case of any waiver, Holdings, the Borrower, the applicable Credit Parties, the Lenders, the Administrative Agent shall be restored to their former positions and rights hereunder and under the other Credit Documents, and any Default or Event of Default waived shall be deemed to be cured and not continuing, it being understood that no such waiver shall extend to any subsequent or other Default or Event of Default or impair any right consequent thereon. In connection with the foregoing provisions, the Administrative Agent may, but shall have no obligations to, with the concurrence of any Lender, execute amendments, modifications, waivers or consents on behalf of such Lender.

Notwithstanding anything to the contrary herein, it is understood and agreed that, so long as each Lender is also a lender under the Senior Secured Credit Agreement and each Lender has agreed to an amendment to the Senior Secured Credit Agreement pursuant to Section 9.1 thereof, such amendment shall automatically be deemed to apply to this Agreement, *mutatis mutandis*.

Notwithstanding anything to the contrary herein, no Defaulting Lender shall have any right to approve or disapprove any amendment, modification, supplement, waiver or consent hereunder, except that the Revolving Credit Commitment of such Lender may not be increased or extended without the consent of such Lender (it being understood that any Revolving Credit Commitments or Revolving Credit

Loans held or deemed held by any Defaulting Lender shall be excluded for a vote of the Lenders hereunder requiring any consent of the Lenders, except as expressly provided for by this Agreement).

The Lenders hereby irrevocably agree that the Liens granted to the Collateral Representative by the Credit Parties on any Collateral shall be automatically released (and the Collateral Agent shall instruct the Collateral Representative to release), subject to the Collateral Trust Agreement, (i) in full, upon the twenty-four (24)-month period following Executive's termination of this Agreement and the payment of all Obligations hereunder (other than Contingent Obligations), (ii) upon the sale or other disposition of such Collateral (including as part of or in connection with any other sale or other disposition permitted hereunder) to any Person other than another Credit Party, to the extent such sale or other disposition is made in compliance with the terms of this Agreement (and the Collateral Agent may rely conclusively on a certificate to that effect provided to it by any Credit Party upon its reasonable request without further inquiry), (iii) to the extent such Collateral is comprised of property leased to a Credit Party, upon termination or expiration of such lease, (iv) if the release of such Lien is approved, authorized or ratified in writing by the Required Lenders (or such other percentage of the Lenders whose consent may be required in accordance with this Section

13.1), (v) to the extent the property constituting such Collateral is owned by any Guarantor, upon the release of such Guarantor from its obligations under the Guarantee (in accordance with the following sentence), (vi) as required to effect any sale or other disposition of Collateral in connection with any exercise of remedies of the Collateral Representative pursuant to the Security Documents ~~and~~, (vii) if such assets constitute Excluded Collateral and (viii) in full as provided by (and in accordance with and subject to) Section 9.17. Any such release shall not in any manner discharge, affect or impair the Obligations or any Liens (other than those being released) upon (or obligations (other than those being released) of the Credit Parties in respect of) all interests retained by the Credit Parties, including the proceeds of any sale, all of which shall continue to constitute part of the Collateral except to the extent otherwise released in accordance with the provisions Company's regular payroll practices, but no less frequently than monthly, and commencing as provided in Section 23(c) below. The Unpaid Annual Bonus shall be paid on the date bonuses are paid to other executives during the fiscal year of Executive's termination and the Prorated Bonus shall be paid on the date bonuses are paid to other executives of the Credit Documents. Additionally, Company in the Lenders hereby irrevocably agree that year following the Subsidiary Guarantors shall be automatically released from the Guarantee upon consummation fiscal year of any transaction resulting in such Subsidiary ceasing to constitute a Restricted Subsidiary or upon becoming an Excluded Subsidiary; provided that the release of any Guarantor from its obligations under this Agreement if such Guarantor becomes an Excluded Subsidiary of the type described in clause (b) of the definition thereof shall only be permitted if at the time such Guarantor becomes an Excluded Subsidiary of such type after giving pro forma effect to such release and the consummation of the transaction that causes such Person to be an Excluded Subsidiary of such type, the Borrower is deemed to have made a new Investment in such Person for purposes of Section 10.5 (as if such Person were then newly acquired) and such Investment is permitted pursuant to Section 10.5 (other than Section 10.5(d) of the Senior Secured Credit Agreement) at such time. The Lenders hereby authorize the Administrative Agent, the Collateral Agent and the Collateral Trustee, as applicable, and the Administrative Agent and the Collateral Agent agree to (and agree to instruct the Collateral Trustee to), execute and deliver any instruments, documents, and agreements necessary or desirable or reasonably requested by the Borrower to evidence and confirm the release of any Guarantor or Collateral pursuant to the foregoing provisions of this paragraph, all without the further consent or joinder of any Lender. Executive's termination.

(d) Notwithstanding anything herein to the contrary, if at any time within eighteen (18) months following a Change in Control, Executive's employment under this Agreement is terminated (i) by the Credit Documents may be amended Company without Cause (other than due to (i) add syndication death or documentation agents and make customary changes and references related thereto and (ii) if applicable, add Disability), (ii) by Executive for Good Reason, or modify "parallel debt" language in any jurisdiction in favor (iii) due to expiration of the Collateral Agent or Collateral Trustee or add Collateral Agents, in each case under Term on the Expiration Date as a result of the Company delivering a notice of non-renewal as contemplated by clauses (i) and (ii), with the consent of only the Borrower and the Administrative Agent, and in the case of clause (ii) Section 1, then Executive, in lieu of any of the Collateral Agent.

Notwithstanding anything in this Agreement (including, without limitation, this Section 13.1) or any other Credit Document to the contrary, (i) this Agreement amounts and the other Credit Documents may be amended by the Administrative Agent as set forth benefits described in Section 2.105(c) (including and in addition to implement any Benchmark Replacement Conforming Changes) without the consent payments and benefits specified in Section 5(b), shall be entitled to receive (i) the Unpaid Annual Bonus, (ii) 2.99 times the sum of any other Person: (A) Base Salary plus (B) Target Bonus (the "i CIC Severance Pay") no Lender, (iii) the product of (x) the Target Bonus, and (y) a fraction, the numerator of which is the number of days elapsed in the Company's fiscal year in which the

consent termination occurs through such termination and the denominator of which is required to effect any amendment or supplement to the Collateral Trust Agreement (and number of days in such fiscal year (the "Prorated CIC Bonus"), and (iv) the Administrative Agent Healthcare Severance Benefits for twenty-four (24) months (as described above and commencing as provided in Section 23(c)). The CIC Severance Pay and the Prorated CIC Bonus shall instruct be paid in cash in a lump sum on the Collateral Representative to effect such amendment or supplement) or other intercreditor agreement permitted under this Agreement that is for first payroll following the purpose of adding the holders of any Indebtedness as expressly contemplated by the terms satisfaction of the Collateral Trust Agreement or such other intercreditor agreement permitted under this Agreement, as applicable (it being understood that any such amendment or supplement may make such other changes Release Condition, subject to the Collateral Trust Agreement or applicable intercreditor agreement as, in the good faith determination of the Administrative Agent in consultation with the Borrower, are required to effectuate the foregoing; provided that Section 23(c) such other changes are not adverse, in any material respect, to the interests of the Lenders taken as a whole); provided, further however, if the Change in Control does not constitute a "change in the ownership or effective control of the corporation, or in the ownership of a substantial portion of the assets of the corporation" within the meaning of Section 409A(a) (2)(A)(v) of the Internal Revenue Code of 1986, as amended (the "Code"), the portion of the CIC Severance Pay that is not in excess of the Severance Pay that would have been payable upon such termination if Section 5(c) applied shall be paid to Executive in equal monthly installments during the

twenty-four (24)-month period following Executive's termination in accordance with the Company's regular payroll practices, but no less frequently than monthly, and commencing as provided in Section 23(c) below, and the portion of the CIC Severance Pay in excess of such agreement amount shall amend, modify be paid to Executive in a lump sum sixty (60) days after the consummation of the Change in Control. The Unpaid Annual Bonus shall be paid on the date bonuses are paid to other executives during the fiscal year of Executive's termination.

(e) If Executive's employment under this Agreement is terminated due to death or Disability, in addition to the payments and benefits specified in Section 5(b), Executive shall be entitled to receive (i) the Prorated Bonus, paid on the date bonuses are paid to other executives of the Company in the year following the fiscal year of Executive's termination, and (ii) the Unpaid Annual Bonus, paid on the date bonuses are paid to other executives of the Company in the fiscal year of Executive's termination.

(f) Executive's entitlement to the payments and benefits set forth in Sections 5(c) and 5(d) shall be conditioned upon Executive's having provided an irrevocable waiver and release of claims in favor of the Company, its Affiliates, their respective predecessors and successors, and all of the respective current or former directors, officers, employees, shareholders, partners, members, agents, or representatives of any of the foregoing (collectively, the "Released Parties"), substantially in the form attached hereto as Exhibit B (the "Release"), that has become effective in accordance with its terms within sixty (60) days following Executive's termination of employment (the "Release Condition"), and Executive's continued compliance with Sections 6 and 7 hereof.

(g) Upon termination of Executive's employment for any reason, and regardless of whether Executive continues as a consultant to the Company, upon the Company's request Executive agrees to resign, as of the date of such termination of employment or such other date requested, from the Board and any committees thereof, and, if applicable, from the board of directors (and any committees thereof) of any Affiliate of the Company to the extent Executive is then serving thereon. The Company's obligations to make the payments provided for in this Agreement are subject to set-off for any undisputed amounts owed by Executive, to the extent permitted by Section 409A (as defined below) and any Company clawback policy.

(h) The payment of any amounts accrued under any benefit plan, program, or arrangement in which Executive participates shall be subject to the terms of the applicable plan, program, or arrangement, and any elections Executive has made thereunder.

(i) Following any termination of Executive's employment, Executive shall have no obligation to seek other employment or take any other action by way of mitigation of the amounts payable to Executive under any of the provisions of this Agreement. There shall be no offset against amounts due Executive under this Agreement on account of any remuneration attributable to later employment, consultancy, or other remunerative activity of Executive.

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6. Confidential Information.

(a) Executive acknowledges that the Company and its Affiliates continually develop Confidential Information (as defined below), that Executive may develop Confidential Information for the Company or its Affiliates and that Executive may learn of Confidential Information during the course of Executive's employment. Executive will comply with the policies and procedures of the Company and its Affiliates for protecting Confidential Information and shall not disclose to any Person or use, other than as required by applicable law or for the proper performance of Executive's duties and responsibilities to the Company and its Affiliates, any Confidential Information obtained by Executive incident to Executive's employment or other association with the Company or any of its Affiliates. Executive understands that this restriction shall continue to apply after Executive's employment terminates, regardless of the reason for such termination.

(b) All documents, records, tapes, and other media of every kind and description relating to the business, present or otherwise, of the Company or its Affiliates and any copies, in whole or in part, thereof (the "Documents"), whether or not prepared by Executive, shall be the sole and exclusive property of the Company and its Affiliates. Executive shall safeguard all Documents and shall surrender to the Company at the time Executive's employment terminates, or at such earlier time or times as the Company may specify, all Documents then in Executive's possession or control. Executive shall immediately return such Documents and other property to the Company upon the termination of Executive's employment and, in any event, at the Company's request. Executive further agrees that any property situated on the premises of, and owned by, the Company or its Affiliates, including disks and other storage media, filing cabinets, or other work areas, is subject to inspection by the Company's personnel at any time with or without notice.

(c) Executive understands that, notwithstanding anything to the contrary contained herein, no provision of this Agreement will be interpreted so as to impede Executive (or any other individual) from (i) making any disclosure of relevant and necessary information or documents in any action, investigation, or proceeding relating to this Agreement, or as required by law or legal process, including with respect to possible violations of law, (ii) participating, cooperating, or testifying in any action, investigation, or proceeding with, or providing information to, any governmental agency, legislative body or any self-regulatory organization, including, but not limited to, the Department of Justice, the Securities and Exchange Commission, the Congress, and any agency Inspector General, (iii) accepting any U.S. Securities and Exchange Commission Awards, or (iv) making other disclosures under the whistleblower provisions of federal law or regulation. In addition, nothing in this Agreement or any other agreement or Company policy prohibits or restricts Executive from initiating communications with, or responding to any inquiry from, any administrative, governmental, regulatory or supervisory authority regarding any good faith concerns about possible violations of law or regulation. Executive does not need the prior authorization of the Company to make any such reports or disclosures and Executive will not be not required to notify the Company that such reports or disclosures have been made.

(d) “Confidential Information” means any and all information of the Company and its Affiliates that is not generally known by others with whom they compete or do business, or with whom any of them plans to compete or do business and any and all information, publicly known in whole or in part or not, which, if disclosed by the Company or its Affiliates would assist in competition against them. Confidential Information includes, without limitation, such information relating to (i) the development, research, testing, manufacturing, marketing and financial activities of the Company and its Affiliates, (ii) all products planned, researched, developed, tested, manufactured, sold, licensed, leased or otherwise distributed or put into use by the Company and its Affiliates, together with all services provided or planned by the

Company or any of its Affiliates, during Executive's employment, (iii) the costs, sources of supply, financial performance and strategic plans of the Company and its Affiliates, (iv) the identity and special needs of the customers of the Company and its Affiliates and (v) the people and organizations with whom the Company and its Affiliates have business relationships and those relationships. Confidential Information also includes any information that the Company or any of its Affiliates have received, or may receive hereafter, belonging to customers or others with any understanding, express or implied, that the information would not be disclosed.

7. Restricted Activities. Executive agrees that some restrictions on Executive's activities during and after Executive's employment are necessary to protect the goodwill, Confidential Information and other legitimate interests of the Company and its Affiliates. Following the Original Effective Date, the Company has provided and will continue to provide Executive with access to and knowledge of Confidential Information and trade secrets and will place Executive in a position of trust and confidence with the Company, and Executive will benefit from the Company's goodwill. The restrictive covenants below are necessary to protect the Company's legitimate business interests in its Confidential Information, trade secrets and goodwill. Executive further understands and acknowledges that the Company's ability to reserve these for the exclusive knowledge and use of the Company is of great competitive importance and commercial value to the Company and that the Company would be irreparably harmed if Executive violates the restrictive covenants below. In recognition of the consideration provided to Executive as well as the imparting to Executive of Confidential Information, including trade secrets, and for other good and valuable consideration, Executive hereby agrees as follows:

(a) While Executive is employed by the Company and for twenty-four (24) months after Executive's employment terminates for any reason, whether before or after the Expiration Date (in the aggregate, the “Non-Competition Period”), Executive shall not, directly or indirectly, whether as owner, partner, investor (other than a passive investor of less than 5% in a publicly traded company), consultant, agent, employee, co-venturer, or otherwise, (i) compete with the business of the Company or any of its subsidiaries in any location where the Company or its subsidiaries conducts business (a “Competitive Business”) or (ii) undertake any planning for any Competitive Business. With respect to the portion of the Non-Competition Period that follows Executive's termination of employment, the determination of whether a business is a Competitive Business shall be made based on the scope and adversely affect location of the businesses conducted or planned to be conducted by the Company and its subsidiaries as of the date of such termination.

(b) Executive agrees that, during Executive's employment with the Company, Executive will not undertake any outside activity, whether or not competitive with the business of the Company or its Affiliates, that would reasonably give rise to a conflict of interest or otherwise interfere with Executive's duties and obligations to the Company or any of its Affiliates.

(c) Executive further agrees that, during the Non-Competition Period, Executive will not solicit, hire, or attempt to solicit or hire any employee of the Company or any of its Affiliates (or any individual who was employed by the Company or any of its Affiliates during the one (1)-year

period prior to Executive's termination), assist in such hiring by any Person, encourage any such employee to terminate his or her relationship with the Company or any of its Affiliates, or solicit or encourage any customer, client, or vendor of the Company or any of its Affiliates to terminate or diminish its relationship with them, or, in the case of a customer, to conduct with any Person any business or activity which such customer conducts with the Company or any of its Affiliates.

(d) Executive shall not, whether in writing or orally, malign, denigrate, or disparage the Company or its Affiliates, or their respective predecessors and successors, or any

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of the current or former directors, officers, employees, shareholders, partners, members, agents, or representatives of any of the foregoing, with respect to any of their respective past or present activities, or otherwise publish (whether in writing or orally) statements that tend to portray any of the aforementioned parties in an unfavorable light. The Company shall direct its directors and officers not to, whether in writing or orally, malign, denigrate, or disparage Executive with respect to any of Executive's past or present activities, or otherwise publish (whether in writing or orally) statements that are intended to portray Executive in an unfavorable light.

(e) Executive's and the Company's obligations under this Section 7, as applicable, shall continue beyond the termination of Executive's employment with the Company.

8. Notification Requirement. Through and up to the conclusion of the Non-Competition Period, Executive shall give notice to the Company of each new business activity he plans to undertake, at least seven (7) days prior to beginning any such activity. Such notice shall state the name and address of the Person for whom such activity is undertaken and the nature of Executive's business relationship(s) and position(s) with such Person.

9. Intellectual Property Rights. (a) Executive agrees that the results and proceeds of Executive's services for the Company (including, but not limited to, any trade secrets, products, services, processes, know-how, designs, developments, innovations, analyses, drawings, reports, techniques, formulas, methods, developmental or experimental work, improvements, discoveries, inventions, ideas, source and object codes, programs, writing and other works of authorship) resulting from services performed while an employee of the Company and any works in progress, whether or not patentable or registrable under copyright or similar statutes, that were made, developed, conceived, or reduced to practice or learned by Executive, either alone or jointly with others (collectively, "Inventions"), shall be works-made-for-hire and the Company shall be deemed the sole owner throughout the universe of any and all trade secret, patent, copyright, and other intellectual property rights (collectively, "Proprietary Rights") of whatsoever nature therein, whether or not now or hereafter known, existing, contemplated, recognized, or developed, with the right to use the same in perpetuity in any manner the Company determines in its sole discretion, without any further payment to Executive whatsoever. If, for any reason, any of such results and proceeds shall not legally be a work-made-for-hire and/or there are any Proprietary Rights which do not accrue to the Company under the immediately preceding sentence, then Executive hereby irrevocably assigns and agrees to assign any and all of Executive's right, title, and interest thereto, including any and all Proprietary Rights of whatsoever nature therein, whether or not now or hereafter known, existing, contemplated, recognized, or developed, to the Company, and the Company shall have the right to use the same in perpetuity throughout the universe in any manner determined by the Company without any further payment to Executive whatsoever. As to any Invention that Executive is required to assign, Executive shall promptly and fully disclose to the Company all information known to Executive concerning such Invention.

(b) Executive agrees that, from time to time, as may be requested by the Company and at the Company's sole cost and expense, Executive shall do any and all things that the Company may reasonably deem useful or desirable to establish or document the Company's exclusive ownership throughout the United States of America or any other country of any and all Proprietary Rights in any such Inventions, including the execution of appropriate copyright and patent applications or assignments. To the extent that Executive has any Proprietary Rights in the Inventions that cannot be assigned in the manner described above, Executive unconditionally and irrevocably waives the enforcement of such Proprietary Rights. This Section 9(b) is subject to and shall not be deemed to limit, restrict, or constitute any waiver by the Company of any Proprietary Rights of ownership to which the Company may be entitled by operation of law by virtue of the Company's being Executive's employer. Executive shall execute, verify, and deliver such documents and perform such other acts (including appearances as a witness) as the

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Company may reasonably request for use in applying for, obtaining, perfecting, evidencing, sustaining, and enforcing such Proprietary Rights and the assignment thereof. In addition, Executive shall execute, verify, and deliver assignments of such Proprietary Rights to the Company or its designees. Executive's obligations under this Section 9 shall continue beyond the termination of Executive's employment with the Company.

(c) 18 U.S.C. § 1833(b) provides: "An individual shall not be held criminally or civilly liable under any federal or state trade secret law for the disclosure of a trade secret that—(i) is made—(A) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (B) solely for the purpose of reporting or investigating a suspected violation of law; or (ii) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal." Nothing in this Agreement is intended to conflict with 18 U.S.C. § 1833(b) or create liability for disclosures of trade secrets that are expressly allowed by 18 U.S.C. § 1833(b). Accordingly, the parties to this Agreement have the right to disclose in confidence trade secrets to federal, state, and local government officials, or to an attorney, for the sole purpose of reporting or investigating a suspected violation of law. The parties also have the right to disclose trade secrets in a document filed in a lawsuit or other proceeding, but only if the filing is made under seal and protected from public disclosure.

(d) Executive hereby waives and quitclaims to the Company any and all claims, of any nature whatsoever, that Executive now or may hereafter have for infringement of any Proprietary Rights assigned hereunder to the Company.

10. Remedies and Injunctive Relief. Executive acknowledges that a violation by Executive of any of the covenants contained in Sections 6, 7, 8, or 9 would cause irreparable damage to the Company in an amount that would be material but not readily ascertainable, and that any remedy at law (including the payment of damages) would be inadequate. Accordingly, Executive agrees that, notwithstanding any provision of this Agreement to the contrary, the Company shall be entitled (without the necessity of showing economic loss or other actual damage) to injunctive relief (including temporary restraining orders, preliminary injunctions, and permanent injunctions) in any court of competent jurisdiction for any actual or threatened breach of any of the covenants set forth in Sections 6, 7, 8, or 9 in addition to any other legal or equitable remedies it may have. The preceding sentence shall not be construed as a waiver of the rights that the Company may have for damages under this Agreement or duties otherwise, and all of the Administrative Agent Company's rights shall be unrestricted.

11. Representations; Advice of Counsel. (a) Executive represents, warrants, and covenants that as of the date hereof: (i) Executive has the full right, authority, and capacity to enter into this Agreement and perform Executive's obligations hereunder, (ii) Executive is not bound by any agreement that conflicts with or prevents or restricts the Collateral Agent full performance of Executive's duties and obligations to the Company hereunder during or after the Term, and (iii) the execution and delivery of this Agreement shall not result in any breach or violation of, or a default under, any existing obligation, commitment, or agreement to which Executive is subject.

(b) Prior to execution of this Agreement, Executive was advised by the Company of Executive's right to seek independent advice from an attorney of Executive's own selection regarding this Agreement. Executive acknowledges that Executive has entered into this Agreement knowingly and voluntarily and with full knowledge and understanding of the provisions of this Agreement after being given the opportunity to consult with counsel. Executive further represents that in entering into this Agreement, Executive is not relying on any statements or representations made by any of the Company's directors, officers, employees, or agents that are not expressly set forth herein, and that Executive is relying only upon Executive's own judgment and any advice provided by Executive's attorney.

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(c) The Company represents, warrants, and covenants that as of the date hereof: (i) the Company has the full right, authority, and capacity to enter into this Agreement and perform the Company's obligations hereunder, (ii) the Company is not bound by any agreement that conflicts with or prevents or restricts the full performance of the Company's obligations to Executive hereunder during or after the Term, and (iii) the execution and delivery of this Agreement shall not result in any breach or violation of, or a default under, any existing obligation, commitment, or agreement to which the Company is subject.

12. Cooperation. Executive agrees that, upon reasonable notice and without the necessity of the Company's obtaining a subpoena or court order, Executive shall provide reasonable cooperation in connection with any suit, action, or proceeding (or any appeal from any suit, action, or

proceeding), and any investigation or defense of any claims asserted against the Company or its Affiliates, that relates to events occurring during Executive's employment with the Company and its Affiliates as to which Executive may have relevant information (including but not limited to furnishing relevant information and materials to the Company or its designee and providing testimony at depositions and at trial); provided that with respect to such cooperation occurring following termination of employment, the Company shall reimburse Executive for expenses reasonably incurred in connection therewith.

13. Withholding. The Company may deduct and withhold from any amounts payable under this Agreement such federal, state, local, non-U.S., and other Credit Document taxes as are required to be withheld pursuant to any applicable law or regulation.

14. Assignment. Neither the Company nor Executive may make any assignment of this Agreement or any interest herein, by operation of law or otherwise, without the prior written consent of the Administrative Agent other party; provided that the Company may assign its rights under this Agreement without the consent of Executive to a successor to substantially all of the business of the Company in the event that the Company shall effect a reorganization, consolidate with or Collateral Agent, as applicable; (merge into any other corporation, partnership, organization, or other entity, or transfer all or substantially all of its properties or assets to any other corporation, partnership, organization, or other entity. This Agreement shall inure to the benefit of and be binding upon the Company and Executive, and their respective successors, executors, administrators, heirs, and permitted assigns.

15. iii Governing Law; No Construction Against Drafter. any This Agreement shall be deemed made in the State of Delaware, and the validity, interpretation, construction, and performance of this Agreement in all respects shall be governed by the laws of the State of Delaware without regard to its principles of conflicts of law. No provision of this Agreement or any related document will be construed against or interpreted to the disadvantage of any party hereto by any court or other Credit Document (including, governmental or judicial authority by reason of such party's having or being deemed to have structured or drafted such provision.

16. Consent to Jurisdiction; Waiver of Jury Trial. (a) Except as otherwise specifically provided herein, Executive and the Company each hereby irrevocably submit to the exclusive jurisdiction of the federal courts located within the State of Delaware (or, if subject matter jurisdiction in such courts are not available, in any state court located within the State of Delaware) over any dispute arising out of or relating to this Agreement. Except as otherwise specifically provided in this Agreement, the parties undertake not to commence any suit, action or proceeding arising out of or relating to this Agreement in a forum other than a forum described in this Section 16(a); provided, however, that nothing herein shall preclude either party from bringing any suit, action, or proceeding in any other court for the avoidance purpose of doubt, enforcing the provisions of this Section 16 or enforcing any exhibit, schedule judgment obtained by either party.

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(b) The agreement of the parties to the forum described in Section 16(a) is independent of the law that may be applied in any suit, action, or proceeding, and the parties agree to such forum even if such forum may under applicable law choose to apply non-forum law. The parties hereby waive, to the fullest extent permitted by applicable law, any objection which they now or hereafter have to personal jurisdiction or to the laying of venue of any such suit, action, or proceeding brought in an applicable court described in Section 16(a), and the parties agree that they shall not attempt to deny or defeat such personal jurisdiction by motion or other attachment request for leave from any such court. The parties agree that, to the fullest extent permitted by applicable law, a final and non-appealable judgment in any Credit Document suit, action, or proceeding brought in any applicable court described in Section 16(a) shall be conclusive and binding upon the parties and may be amended by an agreement enforced in writing entered into any other jurisdiction.

(c) The parties hereto irrevocably consent to the service of any and all process in any suit, action, or proceeding arising out of or relating to this Agreement by the Borrower mailing of copies of such process to such party at such party's address specified in Section 20.

(d) Each party hereto hereby waives, to the fullest extent permitted by applicable law, any right it may have to a trial by jury in respect of any suit, action, or proceeding arising out of or relating to this Agreement. Each party hereto (i) certifies that no representative, agent, or attorney of any other party has represented, expressly or otherwise, that such party would not, in the event of any action, suit, or proceeding, seek to enforce the foregoing waiver, and (ii) acknowledges that it and the Administrative Agent (or, if applicable, other party hereto has been induced to enter into this Agreement by, among other things, the Collateral Representative, at the direction of the Administrative Agent) to (x) cure any ambiguity, omission, mistake, defect mutual waiver and certifications in this Section 16(d).

(e) Each party shall bear his or inconsistency (as reasonably determined by the Administrative Agent her or its own costs and the Borrower) expenses (including reasonable attorneys' fees and (y) effect administrative changes of a technical or immaterial nature (as reasonably determined by the Administrative Agent and the Borrower); (iv) guarantees, collateral documents and related documents executed by the Credit Parties expenses) incurred in connection with any dispute arising out of or relating to this Agreement.

17. Amendment; No Waiver; Severability. (a) No provisions of this Agreement may be in amended, modified, waived, or discharged except by a form reasonably determined written document signed by the Administrative Agent Executive and may be, together with any other Credit Document, entered into, amended, supplemented or waived, without the consent of any other Person, by the applicable Credit Party or Credit Parties and the Administrative Agent or the Collateral Agent in its or their respective sole discretion if applicable (or the Collateral Representative, at the direction a duly authorized officer of the Administrative Agent), (A) Company (other than Executive). The failure of a party to effect the granting, perfection, protection, expansion or enhancement insist upon strict adherence to any term of any security interest in any Collateral or additional property to become Collateral for the benefit of the Secured Bank Parties, (B) as required by local law or advice of counsel to give effect to, or protect any security interest for the benefit of the Secured Bank Parties, in any property or so that the security interests therein comply with applicable requirements of law, (C) to cure ambiguities, omissions, mistakes or defects (as reasonably determined by the Administrative Agent and the Borrower) or to cause such guarantee, collateral security document or other document to be consistent with this Agreement and the other Credit Documents or (D) to provide for the termination of the Collateral Trust Agreement and related arrangements (including the continuation of the Liens securing the Obligations); and (y) the Credit Parties, the Collateral Agent and Collateral Representative, without the consent of on any other Secured Bank Party, shall be permitted to enter into amendments and/or supplements to the Collateral Trust Agreement and any Security Documents in order to (i) include customary provisions permitting the Collateral Representative to appoint sub-collateral agents or representatives to act with respect to Collateral matters thereunder in its stead and (ii) expand the indemnification provisions contained therein to provide that holders of Additional First Lien Debt (as defined in the Collateral Trust Agreement) indemnify the Collateral Agent, in its capacity as Controlling Priority Lien Representative (as defined in the Collateral Trust Agreement), if applicable, and/or the Collateral Trustee, on a pro rata basis with the Lenders.

Notwithstanding anything in this Agreement or any Security Document to the contrary, the Administrative Agent may, in its sole discretion, grant extensions of time (and direct the Collateral Representative to grant such extensions) for the satisfaction of any of the requirements under Sections 9.11, 9.12 and 9.14 or any Security Documents in respect of any particular Collateral or any particular Subsidiary if it determines that the satisfaction thereof with respect to such Collateral or such Subsidiary cannot be accomplished without undue expense or unreasonable effort or due to factors beyond the control of Holdings, the Borrower and the Restricted Subsidiaries by the time or times at which it would otherwise be required to be satisfied under this Agreement or any Security Document.

13.2 Notices. Unless otherwise expressly provided herein, all notices and other communications provided for hereunder or under any other Credit Document shall be in writing (including by facsimile or other electronic transmission). All such written notices shall be mailed, faxed or delivered to the applicable address, facsimile number or electronic mail address, and all notices and other communications expressly permitted hereunder to be given by telephone shall be made to the applicable telephone number, as follows:

(a) if to Holdings, the Borrower, the Administrative Agent or the Collateral Agent, to the address, facsimile number, electronic mail address or telephone number specified for such Person on Schedule 13.2 or to such other address, facsimile number, electronic mail address or telephone number as shall be designated by such party in a notice to the other parties; and

(b) if to any other Lender, to the address, facsimile number, electronic mail address or telephone number specified in its Administrative Questionnaire or to such other address, facsimile number, electronic mail address or telephone number as shall be designated by such party in a notice to Holdings, the Borrower, the Administrative Agent and the Collateral Agent.

All such notices and other communications shall be deemed to be given or made upon the earlier to occur of (i) actual receipt by the relevant party hereto and (ii) (A) if delivered by hand or by courier, when signed for by or on behalf of the relevant party hereto; (B) if delivered by mail, three Business Days after deposit in the mails, postage prepaid; (C) if delivered by facsimile, when sent and receipt has been confirmed by telephone; and (D) if delivered by electronic mail, when delivered; provided that notices and other communications to the Administrative Agent or the Lenders pursuant to Sections 2.3, 2.6, 2.9, 4.2 and 5.1 occasion shall not be effective until received.

13.3 No Waiver; Cumulative Remedies. considered a waiver of such party's rights or deprive such party of the right thereafter to insist upon strict adherence to that term or any other term of this Agreement. No failure to exercise and no or delay by either party in exercising on the part of the Administrative Agent, the Collateral Agent, the Collateral Trustee or any Lender, any right remedy, or power or privilege hereunder or under the other Credit Documents shall will operate as a waiver thereof, nor shall will any single or partial exercise of any such right remedy, or power, or privilege hereunder any abandonment of any steps to enforce such a right or power, preclude any other or further exercise thereof or the exercise of any other right remedy, power or privilege. The rights, remedies, powers and privileges herein provided are cumulative and not exclusive of any rights, remedies, powers and privileges provided by law. power.

13.4 Survival of Representations and Warranties. All representations and warranties made hereunder, in the other Credit Documents and in (b) If any document, certificate term or statement delivered pursuant hereto or in connection herewith shall survive the execution and delivery provision of this Agreement and the making is invalid, illegal, or incapable of the Revolving Credit Loans hereunder.

13.5 Payment of Expenses; Indemnification. The Borrower agrees, within thirty (30) days after written demand therefor (including documentation reasonably supporting such request), being enforced by any applicable law or in the case of expenses of the type described in clause (a) below incurred prior to the Closing Date, on the Closing Date, (a) to pay or reimburse the Agents and the Joint Lead Arrangers for all their reasonable and documented out-of-pocket costs and expenses incurred (i) in connection with the syndication, preparation, execution, delivery, negotiation and administration of this Agreement and the other Credit Documents and any other documents prepared in connection herewith or therewith, and the consummation and administration of the transactions contemplated hereby and thereby, including the reasonable and documented fees, disbursements and other charges of White & Case LLP, and (ii) upon the occurrence and during the continuation of an Event of Default, in connection with the enforcement or preservation of any rights under this Agreement, the other Credit Documents and any such other documents, including the reasonable and documented out-of-pocket fees, disbursements and other charges of Advisors (limited, in the case of Advisors, as set forth in the definition thereof), (b) to pay, indemnify, and hold harmless each

Lender and each Agent from, any and all recording and filing fees and (c) to pay, indemnify, and hold harmless each Lender and each Agent and their respective Affiliates, directors, officers, partners, employees and agents (other than, in each case, Excluded Affiliates) from and against any and public policy, all other liabilities, obligations, losses, damages, penalties, claims, demands, actions, judgments, suits, costs, expenses or disbursements of any kind or nature whatsoever (whether or not any Agent, any Lender or any other such indemnified Person is a party to any action or proceeding out of which any such expenses arise or such matter is initiated by a third party or by the Borrower or any Affiliate thereof), including reasonable conditions and documented out-of-pocket fees, disbursements and other charges of Advisors related to the Transactions or, with respect to the execution, delivery, enforcement, performance and administration of this Agreement, the other Credit Documents and any such other documents, including, any of the foregoing relating to the violation of, noncompliance with or liability under, any Environmental Law (other than by such indemnified person or any of its Related Parties (other than trustees and advisors)) or to any actual or alleged presence, release or threatened release into the environment of Hazardous Materials attributable to the operations of Holdings, the Borrower, any of the Borrower's Subsidiaries or any of the Real Estate (all the foregoing in this clause (c), collectively, the "indemnified liabilities") (SUBJECT TO THE PROVISO BELOW, WHETHER OR NOT CAUSED BY OR ARISING IN WHOLE OR IN PART, OUT OF THE COMPARATIVE, CONTRIBUTORY OR SOLE ORDINARY NEGLIGENCE OF THE INDEMNIFIED PERSON); provided that neither the Borrower nor any other Credit Party shall have any obligation hereunder to any Agent or any Lender or any of their respective Related Parties with respect to indemnified liabilities to the extent they result from (A) the gross negligence, bad faith or willful misconduct of such indemnified Person or any of its Related Parties as determined by a final non-appealable judgment of a court of competent jurisdiction, (B) a material breach of the obligations of such indemnified Person or any of its Related Parties under the Credit Documents as determined by a final non-appealable judgment of a court of competent jurisdiction, (C) disputes not involving an act or omission of Holdings, the Borrower or any other Credit Party and that is brought by an indemnified Person against any other indemnified Person, other than any claims against any indemnified Person in its capacity or in fulfilling its role as an Agent or any similar role under the Credit Documents, (D) such indemnified Person's capacity as a financial advisor of Holdings, the Borrower or its Subsidiaries in connection with the Transactions, (E) such indemnified Person's capacity as a co-investor in any potential acquisition of the Holdings, the Borrower or its Subsidiaries or (F) any settlement effected without the Borrower's prior written consent, but if settled with the Borrower's prior written consent (not to be unreasonably withheld, delayed, conditioned or denied) or if there is a final non-appealable judgment against an indemnified Person in any such proceeding, the Borrower will indemnify and hold harmless such indemnified Person from and against any and all losses, claims, damages, liabilities and expenses by reason of such settlement or judgment in accordance with this Section 13.5. All amounts payable under this Section 13.5 shall be paid within 30 days of receipt by the Borrower of an invoice relating thereto setting forth such expense in reasonable detail. The agreements in this Section 13.5 shall survive repayment of the Revolving Credit Loans and all other amounts payable hereunder.

No Credit Party nor any indemnified Person shall have any liability for any special, punitive, indirect or consequential damages resulting from this Agreement or any other Credit Document or arising out of its activities in connection herewith or therewith (whether before or after the Closing Date) (except, in the case of the Borrower's obligation hereunder to indemnify and hold harmless the indemnified Person, to the extent any indemnified Person is found liable for special, punitive, indirect or consequential damages to a third party). No indemnified Persons shall be liable for any damages arising from the use by unintended recipients of any information or other materials distributed by it through telecommunications, electronic or other information transmission systems in connection with this Agreement or the other Credit Documents or the transactions contemplated hereby or thereby, except to the extent that such damages have resulted from the willful misconduct, bad faith or gross negligence of any indemnified Person or any of its Related Parties (as determined by a final non-appealable judgment of a court of competent jurisdiction). This Section 13.5 shall not apply to Taxes.

Each indemnified Person, by its acceptance of the benefits of this Section 13.5, agrees to refund and return any and all amounts paid by the Borrower (or on its behalf) to it if, pursuant to limitations on indemnification set forth in this Section 13.5, such indemnified Person was not entitled to receipt of such amounts.

13.6 Successors and Assigns; Participations and Assignments.

(a) The provisions of this Agreement shall nonetheless remain in full force and effect so long as the economic and legal substance of the transactions contemplated by this Agreement is not affected in any manner materially adverse to any party; provided that in the event that any court of competent jurisdiction shall finally hold in a non-appealable judicial determination that any provision of Sections 6 through 10 (whether in whole or in part) is void or constitutes an unreasonable restriction against Executive, such provision shall not be binding upon and inure rendered void but shall

be deemed modified to the **benefit** minimum extent necessary to make such provision enforceable for the longest duration and the greatest scope as such court may determine constitutes a reasonable restriction under the circumstances. Subject to the foregoing, upon such determination that any term or other provision is invalid, illegal, or incapable of being enforced, the parties hereto **and their respective successors and assigns permitted hereby, except that (i) except shall negotiate in good faith to modify this Agreement so as expressly permitted by Section 10.3, neither Holdings nor to effect the Borrower may assign or otherwise transfer any of its rights or obligations hereunder without the prior written consent original intent of the Administrative Agent and each Lender (and any attempted assignment or transfer by Holdings or parties**

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as closely as possible in a mutually acceptable manner in order that the Borrower without such consent shall **transactions contemplated hereby be null and void) and (ii) no Lender may assign or otherwise transfer its rights or obligations hereunder except in accordance with this Section 13.6. Nothing in this Agreement, expressed or implied, shall be construed to confer upon any Person (other than the parties hereto, their respective successors and assigns permitted hereby, Participants (to the extent provided in clause (c) of this Section 13.6), consummated as originally contemplated to the fullest extent expressly contemplated hereby, the Related Parties of each of the Administrative Agent, the Collateral Agent and the Lenders and each other Person entitled to indemnification under Section 12.7) any legal or equitable right, remedy or claim under or by reason of this Agreement.possible.**

(b) 18. (i) Subject to the conditions set forth in clause (b)(ii) Entire Agreement. and (h) below, any Lender may at any time assign to one or more assignees all or a portion of its rights and obligations under this **This Agreement**, (including all or a portion of its Revolving Credit Commitments and the Revolving Credit Loans at the time owing to it) **together** with the prior written consent (such consent not be unreasonably withheld or delayed; it being understood that, without limitation, **Prior Employment Agreement, constitutes the Borrower shall have entire agreement and understanding between the right to withhold or delay its consent to any assignment if in order for such assignment to comply with Applicable Law, the Borrower would be required to obtain the consent of, or make any filing or registration with, any Governmental Authority) of:**

(A) the Borrower ~~(which consent shall not be unreasonably withheld or delayed); provided that~~ no consent of the Borrower shall be required for an assignment (1) to a Revolving Credit Lender or to an Affiliate of a Revolving Credit Lender so long as such Affiliate has a combined capital **Company** and surplus of not less than the greater of (x) \$100,000,000 and (y) an amount equal to twice the amount of Revolving Credit Commitments to be held by such assignee after giving effect to such assignment, (2) if a Specified Default has occurred and is continuing Executive with respect to the Borrower, subject matter hereof and supersedes all prior agreements and understandings (whether written or oral), between **Executive and the Company, relating to such subject matter. None of the parties shall be liable or bound to any other assignee party in any manner by any representations and warranties or (3) covenants relating to such subject matter except as specifically set forth herein.**

19. Survival. The rights and obligations of the parties under the provisions of this Agreement shall survive, and remain binding and enforceable, notwithstanding the expiration of the Term, the termination of this Agreement, the termination of Executive's employment hereunder or any settlement of the financial rights and obligations arising from Executive's employment hereunder, to the **Administrative Agent in accordance with extent necessary to preserve the terms intended benefits of Section 12.13; and such provisions.**

(B) 20. the Administrative Agent Notices. (which consent shall not **All notices or other communications required or permitted to be unreasonably withheld or delayed).**

Notwithstanding the foregoing, no such assignment **given hereunder shall be made to (x) a natural person or (y) a Disqualified Institution, in writing and any attempted assignment to a Disqualified Institution after the applicable Person became a Disqualified Institution shall be null and void. For the avoidance of doubt, (i) the Administrative Agent shall have no obligation with respect to, delivered by hand or sent by facsimile or sent, postage prepaid, by registered, certified, or express mail or overnight courier service and shall bear no responsibility be deemed given when so delivered by hand or liability for, the monitoring facsimile, or enforcing of the list of Persons who are Disqualified Institutions (or any provisions relating thereto) at any time and (ii) the Administrative Agent may share a list of Persons who are Disqualified Institutions with any Lender upon request.**

(ii) **Assignments shall be subject to the following additional conditions:**

(A) except (i) if mailed, three days after mailing (one (1) business day in the case of an assignment to a Revolving Credit Lender, an Affiliate of a Revolving Credit Lender express mail or an Approved Fund or an assignment of the entire remaining amount of the assigning Revolving Credit Lender's Revolving Credit Commitment or Revolving Credit Loans or (ii) an assignment to a Federal Reserve Bank or any central bank, the amount of the Revolving Credit Commitment or Revolving Credit Loans of the assigning Revolving Credit Lender subject to each such assignment (determined as of the date the Assignment and Acceptance with respect to such assignment is delivered overnight courier service) to the Administrative Agent), shall not be less than, \$5,000,000, unless each of parties at the Borrower and the Administrative Agent otherwise consents (which consents shall not be unreasonably withheld following addresses or delayed); provided that no facsimiles (or at such consent of the Borrower other address for a party as shall be required if a Specified Default has occurred and is continuing with respect to Holdings or the Borrower; provided, further, that contemporaneous assignments to a single assignee made specified by Affiliates of Lenders and related Approved Funds shall be aggregated for purposes of meeting the minimum assignment amount requirements stated above; like notice);

(B) each partial assignment shall be made as an assignment of a proportionate part of all the assigning Lender's rights and obligations under this Agreement;

(C) The parties to each assignment shall execute and deliver if to the Administrative Agent an Assignment and Acceptance, together with a processing and recordation fee Company: Vistra Corp.

Attn: Corporate Secretary
6555 Sierra Drive
Irving, TX 75039

If to Executive: At the most recent address on file in the amount of \$3,500; provided that the Administrative Agent may, in its sole discretion, elect to waive such processing and recordation fee in the case of any assignment; and Company's records.

(D) the assignee, if it shall not be a Lender, shall deliver to the Administrative Agent an administrative questionnaire in a form approved Notices delivered by the Administrative Agent (the "Administrative Questionnaire").

(iii) Subject to acceptance and recording thereof pursuant to clause (b)(iv) of this Section 13.6, from and after the effective date specified in each Assignment and Acceptance, the assignee thereunder shall be a party hereto and, to the extent of the interest assigned by such Assignment and Acceptance, have the rights and obligations of a Lender under this Agreement, and the assigning Lender thereunder shall, to the extent of the interest assigned by such Assignment and Acceptance, be released from its obligations under this Agreement (and, in the case of an Assignment and Acceptance covering all of the assigning Lender's rights and obligations under this Agreement, such Lender shall cease to be a party hereto but shall continue to be entitled to the benefits of Sections 2.10, 2.11, 5.4 and 13.5). Any assignment or transfer by a Lender of rights or obligations under this Agreement that does not comply with this Section 13.6 shall be treated for purposes of this Agreement as a sale by such Lender of a participation in such rights and obligations in accordance with clause (c) of this Section 13.6 (other than attempted assignments or transfers to Disqualified Institutions, which shall be null and void as provided above).

(iv) The Administrative Agent, acting for this purpose as an agent of the Borrower, shall maintain at the Administrative Agent's Office a copy of each Assignment and Acceptance delivered to it and a register for the recordation of the names and addresses of the Lenders, and the Revolving Credit Commitments of, and principal amount of the Revolving Credit Loans owing to, each Lender pursuant to the terms hereof from time to time (the "Register"). Further, each Register shall contain the name and address of the Administrative Agent and the lending office through which each such Person acts under this Agreement. The entries in the Register shall be conclusive, and the Borrower, the Administrative Agent, the Collateral Agent and the Lenders shall treat each Person whose name is recorded in the Register pursuant to the terms

hereof as a Lender hereunder for all purposes of this Agreement, notwithstanding notice to the contrary. The Register shall be available for inspection by Holdings, the Borrower, the Collateral Agent and any Lender, at any reasonable time and from time to time upon reasonable prior notice.

(v) Upon its receipt of a duly completed Assignment and Acceptance executed by an assigning Lender and an assignee, the assignee's completed Administrative Questionnaire (unless the assignee shall already be a Lender hereunder), the processing and recordation fee referred to in clause (b) of this Section 13.6 (unless waived) and any written consent to such assignment required by clause (b) of this Section 13.6, the Administrative Agent shall accept such Assignment and Acceptance and record the information contained therein in the Register.

(c) Any Lender may, without the consent of (or notice to) Holdings, the Borrower or the Administrative Agent, sell participations to one or more banks or other entities that are not Disqualified Institutions (each, a "Participant") (and any such attempted sales to Disqualified Institutions after such Person became a Disqualified Institution shall be null and void) in all or a portion of such Lender's rights and obligations under this Agreement (including all or a portion of its Revolving Credit Commitments and the Revolving Credit Loans owing to it); provided that (A) such Lender's obligations under this Agreement shall remain unchanged, (B) such Lender shall remain solely responsible to the other parties hereto for the performance of such obligations, and (C) Holdings, the Borrower, the Administrative Agent and the other Lenders shall continue to deal solely and directly with such Lender in connection with such Lender's rights and

obligations under this Agreement. For the avoidance of doubt, the Administrative Agent **facsimile** shall have no obligation with respect to, and shall bear no responsibility or liability for, the monitoring or enforcing of the list of Disqualified Institutions Lenders with respect to the sales of participations at any time. Any agreement or instrument pursuant to which a Lender sells such a participation shall provide that such Lender shall retain the sole right to enforce this Agreement and to approve any amendment, modification or waiver of any provision of this Agreement or any other Credit Document; **provided that** such agreement or instrument may provide that such Lender will not, without the consent of the Participant, agree to any consent, amendment, modification, supplement or waiver described in clauses (i), or (vii) of the second proviso of the first paragraph of Section 13.1 that directly and adversely affects such Participant. Subject to clause (c), (ii) of this Section 13.6, the Borrower agrees that each Participant shall be entitled to the benefits of Sections 2.10, 2.11 and 5.4 to the same extent as if it were a Lender, and **provided that** such Participant agrees to be subject to the requirements of those Sections as though it were a Lender and had acquired its interest by assignment pursuant to clause (b) of this Section 13.6. To the extent permitted by Applicable Law, each Participant also shall be entitled to the benefits of Section 13.8(b) as though it were a Lender; **provided** such Participant agrees to be subject to Section 13.8(a) as though it were a Lender.

(i) A Participant shall not be entitled to receive any greater payment under Section 2.10, 2.11, or 5.4 than the applicable Lender would have been entitled to receive with respect to the participation sold to such Participant, unless the sale of the participation to such Participant is made with the Borrower's prior written consent (which consent shall not be unreasonably withheld or delayed).

(ii) Each Lender that sells a participation shall, acting for this purpose as a non-fiduciary agent of the Borrower, maintain a register on which it enters the name and address of each participant and the principal amounts of each participant's interest in the Revolving Credit Loans (or other rights or obligations) held by it (the "**Participant Register**"). The entries in the Participant Register shall be conclusive absent manifest error, and such Lender shall treat each Person whose name is recorded in the Participant Register as the owner of such Revolving Credit Loan or other obligation hereunder as the owner thereof for all purposes of this Agreement notwithstanding any notice to the contrary. No Lender shall have any obligation to disclose all or

any portion of the Participant Register (including the identity of any Participant or any information relating to a Participant's interest in any commitments, loans or its other obligations under any Credit Document) to any Person except to the extent that such disclosure is necessary to establish that such commitment, loan or other obligation is in registered form under Section 5f.103-1(c) of the United States Treasury Regulations. This Section shall be construed so that the Revolving Credit Loans are at all times maintained in "registered form" within the meaning of Sections 163(f), 871(h)(2) and 881(c)(2) of the Code.

(d) Any Lender may, without the consent of (or notice to) Holdings, the Borrower or the Administrative Agent, at any time pledge or assign a security interest in all or any portion of its rights under this Agreement to secure obligations of such Lender, including any pledge or assignment to secure obligations to a Federal Reserve Bank or any central bank, and this Section 13.6 shall not apply to any such pledge or assignment of a security interest; **provided that** no such pledge or assignment of a security interest shall release a Lender from any of its obligations hereunder or substitute any such pledgee or assignee for such Lender as a party hereto. In order to facilitate such pledge or assignment or for any other reason, the Borrower hereby agrees that, promptly following the reasonable request of any Lender at any time and from time to time after any Borrower has made its initial borrowing hereunder, the Borrower shall provide to such Lender, at the Borrower's own expense, a promissory note, substantially in the form of Exhibit D, evidencing the Revolving Credit Loans owing to such Lender.

(e) Subject to Section 13.16, the Borrower authorizes each Lender to disclose (other than to any Disqualified Institutions) to any Participant, secured creditor of such Lender or assignee (each, a "**Transferee**"), any prospective Transferee and any prospective direct or indirect contractual counterparties to any swap or derivative transactions to be entered into in connection with or relating to Revolving Credit Loans made hereunder any and all financial information in such Lender's possession concerning the Borrower and its Affiliates that has been delivered to such Lender by or on behalf of the Borrower and its Affiliates pursuant to this Agreement or that has been delivered to such Lender by or on behalf of the Borrower and its Affiliates in connection with such Lender's credit evaluation of the Borrower and its Affiliates prior to becoming a party to this Agreement.

(f) The words "execution," "signed," "signature," and words of like import in any Assignment and Acceptance shall be deemed to include electronic signatures or the keeping of records in electronic form, each of which shall be of the same legal effect validity or enforceability as a manually executed signature or the use of a paper-based recordkeeping system, as the case may be, to the extent and as provided for in any applicable law, including the Federal Electronic Signatures in Global and National Commerce Act, the New York State Electronic Signatures and Records Act, or any other similar state laws based on the Uniform Electronic Transactions Act.

(g) **SPV Lender.** Notwithstanding anything to the contrary contained herein, any Lender (a "**Granting Lender**") may grant to a special purpose funding vehicle (a "**SPV**"), identified as such in writing from time to time by the Granting Lender to the Administrative Agent and the Borrower, the option to provide to the Borrower all or any part of any Revolving Credit Loan that such Granting Lender would otherwise be obligated to make the Borrower pursuant to this Agreement; **provided that** (i) nothing herein shall constitute a commitment by any SPV to make any Revolving Credit Loan and (ii) if an SPV elects not to exercise such option or otherwise fails to provide all or any part of such Revolving Credit Loan, the Granting Lender shall be obligated to make such Revolving Credit Loan pursuant to the terms hereof. The making of a Revolving Credit Loan by an SPV hereunder shall utilize the Revolving Credit Commitment of the Granting Lender to the same extent, and as if such Revolving Credit Loan were made by such Granting Lender. Each party hereto hereby agrees that no SPV shall be liable for any indemnity or similar payment obligation under **notice had been delivered in person**.

21. Headings and References. The headings of this Agreement (all liability are inserted for which shall remain with the Granting Lender). In furtherance of the foregoing, each party hereto hereby agrees (which agreement

shall survive the termination convenience only, and neither constitute a part of this Agreement) that, prior to the date that is one year and one day after the payment in full of all outstanding commercial paper or other senior indebtedness of any SPV, it shall not institute against, or join any other person in instituting against, such SPV any bankruptcy, reorganization, arrangement, insolvency or liquidation proceedings under the laws of the United States or any State thereof. In addition, notwithstanding anything to the contrary contained in this Section 13.6, any SPV may (i) with notice to, but without the prior written consent of, the Borrower and the Administrative Agent and without paying any processing fee therefor, assign all or a portion of its interests Agreement nor affect in any Revolving Credit Loans to way the Granting Lender meaning or to any financial institutions (consented to by the Borrower and Administrative Agent) providing liquidity and/or credit support to or for the account interpretation of such SPV to support the funding or maintenance of Revolving Credit Loans and (ii) disclose on this Agreement. When a confidential basis any non-public information relating to its Revolving Credit Loans to any rating agency, commercial paper dealer or provider of any surety, guarantee or credit or liquidity enhancement to such SPV. This Section 13.6(g) may not be amended without the written consent of the SPV. Notwithstanding anything to the contrary reference in this Agreement (x) no SPV shall be entitled to any greater rights under Sections 2.10, 2.11, and 5.4 than its Granting Lender would have been entitled to absent the use of such SPV and (y) each SPV agrees to be subject to the requirements of Sections 2.10, 2.11, and 5.4 as though it were a Lender and has acquired its interest by assignment pursuant to clause (b) of this Section 13.6.

13.7 Replacements of Lenders under Certain Circumstances.

(a) The Borrower shall be permitted to (x) to replace any Lender with a replacement bank or other financial institution or (y) terminate the Revolving Credit Commitment of such Lender, and repay all Obligations of the Borrower due and owing to such Lender relating to the Revolving Credit Loans and participations held by such Lender as of such termination date, in each case, that (a) requests reimbursement for amounts owing pursuant to Section 2.10 or 5.4, (b) is affected in the manner described in Section 2.10(a)(iii) and as a result thereof any of the actions described in such Section is required to be taken or (c) becomes a Defaulting Lender; provided that, solely in the case of the foregoing clause (x), (i) no Specified Default shall have occurred and be continuing at the time of such replacement, (ii) the Borrower shall repay (or the replacement bank or institution shall purchase, at par) all Revolving Credit Loans and other amounts (other than any disputed amounts), pursuant to Section 2.10, 2.11 or 5.4, as the case may be) owing to such replaced Lender prior to the date of replacement, (iii) the replacement bank or institution, if not already a Lender, and the terms and conditions of such replacement, shall be reasonably satisfactory to the Administrative Agent (solely to the extent such consent would be required under Section 13.6), (iv) the replaced Lender shall be obligated to make such replacement in accordance with the provisions of Section 13.6 (provided that the Borrower shall be obligated to pay the registration and processing fee referred to therein unless otherwise agreed) and (v) any such replacement shall not be deemed to be a waiver of any rights that the Borrower, the Administrative Agent or any other Lender shall have against the replaced Lender.

(b) If any Lender (such Lender, a "Non-Consenting Lender") has failed to consent to a proposed amendment, modification, supplement, waiver, discharge or termination that pursuant to the terms of Section 13.1 requires the consent of either (i) all of the Revolving Credit Lenders directly and adversely affected or (ii) all of the Revolving Credit Lenders, and, in each case, with respect to which the Required Lenders or a majority (in principal amount) of the directly and adversely affected Revolving Credit Lenders shall, in each such case, have granted their consent, then provided no Event of Default then exists, the Borrower shall have the right (unless such Non-Consenting Lender grants such consent) to (x) replace such Non-Consenting Lender by requiring such Non-Consenting Lender to assign its Revolving Credit Loans and its Revolving Credit Commitments hereunder to one or more assignees reasonably acceptable to the Administrative Agent (to the extent such consent would be required under Section 13.6) or (y) terminate the Revolving Credit Commitment of such Lender, and repay all

Obligations of the Borrower due and owing to such Lender relating to the Revolving Credit Loans and participations held by such Lender as of such termination date; provided that: (a) all Obligations of the Borrower owing to such Non-Consenting Lender being replaced shall be paid in full to such Non-Consenting Lender concurrently with such assignment, and (b) the replacement Lender shall purchase the foregoing by paying to such Non-Consenting Lender a price equal to the principal amount thereof plus accrued and unpaid interest thereon. In connection with any such assignment, the Borrower, Administrative Agent, such Non-Consenting Lender and the replacement Lender shall otherwise comply with Section 13.6; provided, however, that if such Non-Consenting Lender does not execute and deliver to the Administrative Agent a duly completed Assignment and Acceptance reflecting such assignment, then (i) the failure of such Non-Consenting Lender to execute an Assignment and Acceptance shall not render such assignment invalid and such assignment shall be deemed effective upon satisfaction of the other applicable conditions of Section 13.6 and this Section 13.7(b) and (ii) the Administrative Agent shall be entitled (but not obligated) to execute and deliver such Assignment and Acceptance on behalf of such Non-Consenting Lender and may record such assignment in the Register. Each Lender hereby irrevocably appoints the Administrative Agent (such appointment being coupled with an interest) as such Lender's attorney-in-fact, with full authority in the place and stead of such Lender and in the name of such Lender, to take any action and to execute any Assignment and Acceptance or other instrument that the Administrative Agent may deem reasonably necessary to carry out the provisions of this Section 13.7(b).

(c) If any assignment or participation under Section 13.6 is made to any Disqualified Institution without the Borrower's prior written consent, a Section, such assignment or participation reference shall be void. Nothing in to a Section of this Section 13.7(c) shall be deemed to prejudice any right or remedy that Holdings or the Borrower may Agreement unless otherwise have at law or at equity, indicated.

13.822. Adjustments; Set-off.

(a) Except as contemplated in Section 13.6 Counterparts, or elsewhere herein or in any other Credit Document, if any Lender (a "Benefited Lender") shall at any time receive any payment of all or part of its Revolving Credit Loans, or interest thereon, or receive any collateral in respect thereof (whether voluntarily or involuntarily, by set-off, pursuant to events or proceedings of the nature referred to in Section 11.5, or otherwise), in a greater proportion than any such payment to or Collateral received by any other Lender, if any, in respect of such other Lender's Revolving Credit Loans, or interest thereon, such Benefited Lender shall purchase for cash from the other Lenders a participating interest in such portion of each such other Lender's Revolving Credit Loan, or shall provide such other Lenders with the benefits of any such collateral, or the proceeds thereof, as shall be necessary to cause such Benefited Lender to share the excess payment or benefits of such collateral or proceeds ratably with each of the Lenders; provided, however, that if all or any portion of such excess payment or benefits is thereafter recovered from such Benefited Lender, such purchase shall be rescinded, and the purchase price and benefits returned, to the extent of such recovery, but without interest.

(b) After the occurrence and during the continuance of an Event of Default, in addition to any rights and remedies of the Lenders provided by Applicable Law, each Lender shall have the right, without prior notice to Holdings, the Borrower, any such notice being expressly waived by Holdings, the Borrower to the extent permitted by Applicable Law but with the prior written consent of the Administrative Agent, upon any amount becoming due and payable by the Borrower hereunder (whether at the stated maturity, by acceleration or otherwise) to set-off and appropriate and apply against such amount any and all deposits (general or special, time or demand, provisional or final) (other than payroll, trust, tax, fiduciary, employee health and benefits, pension, 401(k) and petty cash accounts), in any currency, and any other credits, indebtedness or claims, in any currency, in each case whether direct or indirect, absolute or contingent, matured or unmatured, at any time held or owing by such Lender or any branch or

agency thereof to or for the credit or the account of the Borrower. Each Lender agrees promptly to notify the Borrower and the Administrative Agent after any such set-off and application made by such Lender; provided that the failure to give such notice shall not affect the validity of such set-off and application.

13.9 Counterparts; Electronic Signatures. This Agreement and each other Credit Document may be executed in one or more counterparts (and by different parties hereto in different counterparts) (including via electronic image scan (.pdf)), each of which shall be deemed to be an original, but all of which together shall constitute one and the same instrument. Delivery instrument and shall become effective when one or more counterparts have been signed by fax or each of the parties and delivered to the other electronic transmission of an executed counterpart of a signature page to this Agreement and each other Credit Document shall be effective as delivery of an original executed counterpart parties.

23. Section 409A. (a) For purposes of this Agreement, "Section 409A" means Section 409A of the Code, and the Treasury Regulations promulgated thereunder (and such other Credit Document Treasury or Internal Revenue Service guidance) as in effect from time to time. The parties intend that any amounts payable hereunder that could constitute "deferred compensation" within the meaning of Section 409A will be compliant with Section 409A or exempt from Section 409A.

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(b) Notwithstanding anything in this Agreement to the contrary, the following special rule shall apply, if and to the words "execution," "execute", "signed," "signature," and words of like import extent required by Section 409A, in or related to any document the event that (i) Executive is deemed to be signed a "specified employee" within the meaning of Code Section 409A(a)(2)(B)(i) (as determined in connection accordance with the methodology established by the Company as in effect on the date of Executive's "separation from service" (within the meaning of Treasury Regulations § 1.409A-1(h)), (ii) amounts or benefits under this Agreement or any other Credit Document program, plan, or arrangement of the Company or a controlled group affiliate thereof are due or payable on account of separation from service, and (iii) Executive is employed by a public company or a controlled group affiliate thereof: payments hereunder that are "deferred compensation" subject to Section 409A that would be made to Executive prior to the date that is six (6) months after the date of Executive's separation from service shall be made within ten (10) business days after such six (6) month date or, if earlier, ten (10) days following the date of Executive's death; following any applicable delay, all such delayed payments without interest will be paid in a single lump sum on the earliest permissible payment date.

(c) Except to the extent required to be delayed pursuant to Section 23(b), any payment or benefit due or payable on account of Executive's separation from service to which this Section 23(c) applies shall be paid or commence, as applicable, upon the first scheduled payroll date immediately after the date the Release Condition is satisfied (the "Release Effective Date"); provided that, to the extent that such payment or benefit represents a "deferral of compensation" within the meaning of Section 409A and the sixty (60)-day period following Executive's separation from

service spans two (2) taxable years, payment shall not be made or commence prior to January 1 of the second (2nd) taxable year. The first such cash payment shall include payment of all amounts that otherwise would have been due prior to the Release Effective Date under the terms of this Agreement applied as though such payments commenced immediately upon Executive's termination of employment, and any payments made thereafter shall continue as provided herein. The delayed benefits shall in any event expire at the time such benefits would have expired had such benefits commenced immediately following Executive's termination of employment.

(d) Each payment made under this Agreement (including each separate installment payment in the case of a series of installment payments) shall be deemed to include electronic signatures, the electronic matching be a separate payment for purposes of assignment terms and contract formations on electronic platforms approved by the Administrative Agent, or the keeping of records in electronic form, each of which Section 409A. Amounts payable under this Agreement shall be deemed not to be a "deferral of the same legal effect, validity or enforceability as a manually executed signature or the use of a paper based recordkeeping system, as the case may be, compensation" subject to Section 409A to the extent provided in the exceptions in Treasury Regulations §§ 1.409A-1(b)(4) ("short-term deferrals") and as provided for in any applicable law, (b)(9) ("separation pay plans," including the Federal Electronic Signatures in Global exception under subparagraph (iii)) and National Commerce Act, the New York State Electronic Signatures other applicable provisions of Section 409A, and Records Act, or any other similar state laws based on the Uniform Electronic Transactions Act. The Administrative Agent may, in its discretion, require that shall be paid under any such documents and signatures executed electronically or delivered by fax or other electronic transmission be confirmed by a manually-signed original thereof; provided that the failure to request or deliver the same shall not limit the effectiveness of any document or signature executed electronically or delivered by fax or other electronic transmission.

13.10 **Severability.** Any provision of this Agreement that is prohibited or unenforceable in any jurisdiction shall, as to such jurisdiction, be ineffective to the extent of such prohibition or unenforceability without invalidating the remaining provisions hereof, and any such prohibition or unenforceability in any jurisdiction shall not invalidate or render unenforceable such provision in any other jurisdiction.

13.11 **INTEGRATION.** THE ENGAGEMENT LETTER, ANY FEE LETTER, THIS AGREEMENT AND THE OTHER CREDIT DOCUMENTS (AND, SOLELY TO THE EXTENT INCORPORATED BY REFERENCE IN THIS AGREEMENT, THE SENIOR SECURED CREDIT AGREEMENT) REPRESENT THE FINAL AGREEMENT OF HOLDINGS, THE BORROWER, THE COLLATERAL AGENT, THE ADMINISTRATIVE AGENT AND THE LENDERS WITH RESPECT TO THE SUBJECT MATTER HEREOF, AND (1) THERE ARE NO PROMISES, UNDERTAKINGS, REPRESENTATIONS OR WARRANTIES BY HOLDINGS, THE BORROWER, THE ADMINISTRATIVE AGENT, THE COLLATERAL AGENT OR ANY LENDER RELATIVE TO SUBJECT MATTER HEREOF NOT EXPRESSLY SET FORTH OR REFERRED TO HEREIN OR IN THE OTHER CREDIT DOCUMENTS, (2) THE ENGAGEMENT LETTER, ANY FEE LETTER, THIS AGREEMENT AND THE OTHER CREDIT DOCUMENTS MAY NOT BE CONTRADICTED BY EVIDENCE OF PRIOR, CONTEMPORANEOUS, OR SUBSEQUENT ORAL AGREEMENTS OF THE PARTIES AND (3) THERE ARE NO UNWRITTEN ORAL AGREEMENTS BETWEEN THE PARTIES.

13.12 **GOVERNING LAW.** THIS AGREEMENT AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HEREUNDER SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

13.13 **Submission to Jurisdiction; Waivers.** Each party hereto irrevocably and unconditionally:

(a) submits for itself and its property in any legal action or proceeding relating to this Agreement and the other Credit Documents to which it is a party, or for recognition and enforcement of any judgment in respect thereof, to the exclusive general jurisdiction of the courts of the State of New York (borough of Manhattan), the courts of the United States of America for the Southern District of New York and appellate courts from any thereof;

(b) consents that any such action or proceeding may be brought in such courts and waives any objection that it may now or hereafter have to the venue of any such action or proceeding in any such court or that such action or proceeding was brought in an inconvenient court and agrees not to plead or claim the same;

(c) agrees that service of process in any such action or proceeding may be effected by mailing a copy thereof by registered or certified mail (or any substantially similar form of mail), postage prepaid, to such Person at its address set forth on Schedule 13.2 at such other address of which the Administrative Agent shall have been notified pursuant to Section 13.2;

(d) agrees that nothing herein shall affect the right to effect service of process in any other manner permitted by law or shall limit the right to sue in any other jurisdiction;

(e) subject to the last paragraph of Section 13.5, waives exception to the maximum extent not prohibited by Applicable Law, any right it may have to claim or recover in any legal action or proceeding referred to in this Section 13.13 any special, exemplary, punitive or consequential damages; and

(f) agrees that a final judgment in any action or proceeding shall be conclusive and may be enforced in other jurisdictions by suit on the judgment or in any other manner provided by Applicable Law.

13.14 **Acknowledgments.** Each of Holdings and the Borrower hereby acknowledges that:

(a) it has been advised by counsel in the negotiation, execution and delivery permitted. For purposes of this Agreement, and the other Credit Documents;

(b) (i) the credit facilities provided for hereunder and any related arranging or other services in connection therewith (including in connection with any amendment, waiver or other modification hereof or of any other Credit Document) are an arm's-length commercial transaction between Holdings and the Borrower, on the one hand, and the Administrative Agent, the Lenders and the other Agents on the other hand, and Holdings, the Borrower and the other Credit Parties are capable of evaluating and understanding and understand and accept the terms, risks and conditions of the transactions contemplated hereby and by the other Credit Documents (including any amendment, waiver or other modification hereof or thereof); (ii) in connection with the process leading to such transaction, each of the Administrative Agent and the other Agents, is and has been acting solely as a principal and is not the financial advisor, agent or fiduciary for any of Holdings, the Borrower, any other Credit Parties or any of their respective Affiliates, stockholders, creditors or employees or any other Person; (iii) neither the Administrative Agent nor any other Agent has assumed or will assume an advisory, agency or fiduciary responsibility in favor of Holdings, the Borrower or any other Credit Party with respect to any of the transactions contemplated hereby or the process leading thereto, including with respect to any amendment, waiver or other modification hereof or payments of any other Credit Document (irrespective amounts that are considered to be "deferred compensation" subject to Section 409A, references to "termination of whether the Administrative Agent employment," "termination," or any other Agent has advised or is currently advising Holdings, the Borrower, the other Credit Parties or their respective Affiliates on other matters) words and neither the Administrative Agent or other Agent has any obligation phrases of similar import, shall be deemed to Holdings, the Borrower, the other Credit Parties or their

respective Affiliates with respect refer to the transactions contemplated hereby except those obligations expressly set forth herein Executive's "separation from service" as defined in Section 409A, and in the other Credit Documents; (iv) the Administrative Agent, each other Agent shall be interpreted and each Affiliate of the foregoing may be engaged applied in a broad range of transactions manner that involve interests that differ from those of Holdings, the Borrower and their respective Affiliates, and neither the Administrative Agent nor any other Agent has any obligation to disclose any of such interests by virtue of any advisory, agency or fiduciary relationship; and (v) neither the Administrative Agent nor any other Agent has provided and none will provide any legal, accounting, regulatory or tax advice is consistent with respect to any of the transactions contemplated hereby (including any amendment, waiver or other modification hereof or of any other Credit Document) and Holdings and the Borrower has consulted its own legal, accounting, regulatory and tax advisors to the extent it has deemed appropriate. Holdings and the Borrower agree not to claim that the Administrative Agent or any other Agent has rendered advisory services of any nature or respect, or owes a fiduciary or similar duty to Holdings, the Borrower or any other Affiliates, in connection with the transactions contemplated hereby or the process leading hereto.

(c) no joint venture is created hereby or by the other Credit Documents or otherwise exists by virtue of the transactions contemplated hereby among the Lenders or among Holdings and the Borrower, on the one hand, and any Lender, on the other hand.

13.15 WAIVERS OF JURY TRIAL. HOLDINGS, THE BORROWER, EACH AGENT AND EACH LENDER HEREBY IRREVOCABLY AND UNCONDITIONALLY WAIVE (TO THE EXTENT PERMITTED BY APPLICABLE LAW) TRIAL BY JURY IN ANY LEGAL ACTION OR PROCEEDING RELATING TO THIS AGREEMENT OR ANY OTHER CREDIT DOCUMENT AND FOR ANY COUNTERCLAIM THEREIN.

13.16 Confidentiality. The Administrative Agent, each other Agent and each Lender shall hold all non-public information furnished by or on behalf of Holdings, the Borrower or any Subsidiary of the Borrower in connection with such Lender's evaluation of whether to become a Lender hereunder or obtained by such Lender, the Administrative Agent or such other Agent pursuant to the requirements of this Agreement or in connection with any amendment, supplement, modification or waiver or proposed amendment, supplement, modification or waiver hereto or the other Credit Documents ("Confidential Information"), confidential; provided that the Administrative Agent, each other Agent and each Lender may make disclosure (a) as required by the order of any court or administrative agency or in any pending legal, judicial or administrative proceeding, or otherwise as required by Applicable Law, regulation or compulsory legal process (in which case such Lender, the Administrative Agent or such other Agent shall use commercially reasonable efforts to inform the Borrower promptly thereof to the extent lawfully permitted to do so (except with respect to any audit or examination conducted by bank accountants or any self-regulatory authority or governmental or regulatory authority exercising examination or regulatory authority)), (b) to such Lender's or the Administrative Agent's or such other Agent's attorneys, professional advisors, independent auditors, trustees or Affiliates involved in the Transactions (other than Excluded Affiliates) on a "need to know" basis and who are made aware of and agree to comply with the provisions of this Section 13.16, in each case on a confidential basis (with such Lender, the Administrative Agent or such other Agent responsible for such persons' compliance with this Section 13.16), (c) to any bona fide investor or prospective bona fide investor in a Securitization that agrees its access to information regarding the Credit Parties, the Revolving Credit Loans and the Credit Documents is solely for purposes of evaluating an investment in a Securitization and who agrees to treat such information as confidential in accordance with this Section 13.16, (d) on a confidential basis to any bona fide prospective Lender, prospective participant or swap counterparty (in each case, other than a Disqualified Institution or a Person who the Borrower has affirmatively denied assignment thereto in accordance with Section 13.6), (e) to the extent requested by any bank regulatory authority having jurisdiction over a Lender or its Affiliates (including in any audit or examination conducted by bank accountants or any self-regulatory authority or governmental or regulatory authority exercising examination or regulatory authority), (f) to a trustee, collateral manager,

servicer, backup servicer, noteholder or secured party in connection with the administration, servicing and reporting on the assets serving as collateral for a Securitization and who agrees to treat such information as confidential, (g) to a nationally recognized ratings agency that requires access to information regarding

the Credit Parties, the Revolving Credit Loans and Credit Documents in connection with ratings issued with respect to a Securitization, (h) as consented by the Borrower in writing, (i) to other parties to this Agreement, (j) solely to the extent necessary to allow the enforcement of remedies pursuant to the Credit Documents (k) to credit insurers in the ordinary course of business solely to the extent reasonably necessary for the provision of services from such credit insurers or (l) to market data collectors and/or the CUSIP bureau; provided that any information disclosed pursuant to this clause (l) shall be limited only to the terms and provisions of this Agreement and the identity of the parties thereto and solely to the extent reasonably necessary for such purposes and only in the ordinary course of business; for the avoidance of doubt in 409A. In no event may operational information relating to Executive, directly or indirectly, designate the Borrower or Holdings be disclosed pursuant to this clause (l). Each Lender, the Administrative Agent and each other Agent agrees that it will not provide to prospective Transferees or to any pledgee referred to in Section 13.6 or to prospective direct or indirect contractual counterparties to any swap or derivative transactions to be entered into in connection with or relating to Revolving Credit Loans made hereunder any of the Confidential Information unless such Person is advised of and agrees to be bound by the provisions of this Section 13.16 or confidentiality provisions at least as restrictive as those set forth in this Section 13.16.

13.17 Direct Website Communications.

(a) Holdings and the Borrower may, at their option, provide to the Administrative Agent any information, documents and other materials that they are obligated to furnish to the Administrative Agent pursuant to the Credit Documents, including, all notices, requests, financial statements, financial and other reports, certificates and other information materials, but excluding any such communication that (A) relates to a request for a new, or a conversion of an existing, Borrowing or other extension of credit (including any election of an interest rate or Interest Period relating thereto), (B) relates to the payment calendar year of any principal or other amount due payment under this Agreement prior to the scheduled date therefor, (C) provides notice of any Default or Event of Default under this Agreement, or (D) is required to be delivered to satisfy any condition precedent to the effectiveness of this Agreement and/or any Borrowing or other extension of credit thereunder (all such non-excluded communications being referred to herein collectively as “**Communications**”), by transmitting the Communications in an electronic/soft medium in a format reasonably acceptable to the Administrative Agent at GIAgentOfficeOps@Citi.com; provided that: (i) upon written request by the Administrative Agent, Holdings or the Borrower shall deliver paper copies of such documents to the Administrative Agent for further distribution to each Lender until a written request to cease delivering paper copies is given by the Administrative Agent and (ii) Holdings or the Borrower shall notify (which may be by facsimile or electronic mail) the Administrative Agent of the posting of any such documents and provide to the Administrative Agent by electronic mail electronic versions (i.e., soft copies) of such documents. Each Lender shall be solely responsible for timely accessing posted documents or requesting delivery of paper copies of such documents from the Administrative Agent and maintaining its copies of such documents. Nothing in this Section 13.17 shall prejudice the right of Holdings, the Borrower, the Administrative Agent, any other Agent or any Lender to give any notice or other communication pursuant to any Credit Document in any other manner specified in such Credit Document.

(b) The Administrative Agent agrees that the receipt of the Communications by the Administrative Agent at its e-mail address set forth above shall constitute effective delivery of the Communications to the Administrative Agent for purposes of the Credit Documents. Each Lender agrees that notice to it (as provided in the next sentence) specifying that the Communications have been posted to the Platform shall constitute effective delivery of the Communications to such Lender for purposes of the Credit Documents. Each Lender agrees (A) to notify the Administrative Agent in writing (including

by electronic communication) from time to time of such Lender's e-mail address to which the foregoing notice may be sent by electronic transmission and (B) that the foregoing notice may be sent to such e-mail address.

(c) Holdings and the Borrower further agree that the Agents may make the Communications available to the Lenders by posting the Communications on Intralinks or a substantially similar electronic transmission system (the “**Platform**”), so long as the access to such Platform is limited (i) to the Agents, the Lenders or any bona fide potential Transferee and (ii) remains subject the confidentiality requirements set forth in Section 13.16.

(d) THE PLATFORM IS PROVIDED “AS IS” AND “AS AVAILABLE”. THE AGENT PARTIES (AS DEFINED BELOW) DO NOT WARRANT THE ACCURACY OR COMPLETENESS OF THE COMMUNICATIONS OR THE ADEQUACY OF THE PLATFORM, AND EXPRESSLY DISCLAIM LIABILITY FOR ERRORS IN OR OMISSIONS FROM THE COMMUNICATIONS. NO WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT OF THIRD PARTY RIGHTS OR FREEDOM FROM VIRUSES OR OTHER CODE DEFECTS, IS MADE BY ANY AGENT PARTY IN CONNECTION WITH THE COMMUNICATIONS OR THE PLATFORM. In no event shall any Agent or their Related Parties (collectively, the “**Agent Parties**” and each an “**Agent Party**”) have any liability to Holdings, the Borrower, any Lender or any other Person for losses, claims, damages, liabilities or expenses of any kind (whether in tort, contract or otherwise) arising out of Holdings', the Borrower's or any Agent's transmission of Communications through the internet, except to the extent the liability of any Agent Party resulted from such Agent Party's (or any of its Related Parties' (other than trustees or advisors)) gross negligence, bad faith or willful misconduct or material breach of the Credit Documents (as determined in a final non-appealable judgment of a court of competent jurisdiction). Agreement.

(e) The Borrower and each Lender acknowledge that certain of the Lenders may be “public-side” Lenders (Lenders that do not wish to receive material non-public information with respect to Holdings, the Borrower, the Subsidiaries of the Borrower or their securities) and, if documents or notices required to be delivered pursuant to the Credit Documents or otherwise are being distributed through the Platform, any document or notice that Holdings or the Borrower has indicated contains only publicly available information with respect to Holdings, the Borrower and the Subsidiaries of the Borrower and their securities may be posted on that portion of the Platform designated for such public-side Lenders. If Holdings or the Borrower has not indicated whether a document or notice delivered

contains only publicly available information, the Administrative Agent shall post such document or notice solely on that portion of the Platform designated for Lenders who wish to receive material nonpublic information with respect to Holdings, the Borrower, the Subsidiaries of the Borrower and their securities. Notwithstanding the foregoing, Holdings and the Borrower shall use commercially reasonable efforts to indicate whether any document or notice contains only publicly available information.

13.18 USA PATRIOT Act. Each Lender hereby notifies the Borrower that pursuant to the requirements of the USA Patriot Act (Title III of Pub. L. 107-56 (signed into law October 26, 2001)) (as amended, the “Patriot Act”), it is required to obtain, verify and record information that identifies each Credit Party, which information includes the name and address of each Credit Party and other information that will allow such Lender to identify each Credit Party in accordance with the Patriot Act.

13.19 Payments Set Aside. To the extent that any payment by or on behalf of the Borrower is made to any Agent or any Lender, or any Agent or any Lender exercises its right of setoff, and such payment or the proceeds of such setoff or any part thereof is subsequently invalidated, declared to be fraudulent or preferential, set aside or required (including pursuant to any settlement entered into by such

Agent or such Lender in its discretion) to be repaid to a trustee, receiver or any other party, in connection with any proceeding or otherwise, then (a) to the extent of such recovery, the obligation or part thereof originally intended to be satisfied shall be revived and continued in full force and effect as if such payment had not been made or such setoff had not occurred, and (b) each Lender severally agrees to pay to the Administrative Agent upon demand its applicable share of any amount so recovered from or repaid by any Agent, plus interest thereon from the date of such demand to the date such payment is made at a rate per annum equal to the applicable Overnight Rate from time to time in effect.

13.20 Acknowledgement and Consent to Bail-In of Affected Financial Institutions. Notwithstanding anything to the contrary in this Agreement, any Credit Document payment or in any other agreement, arrangement or understanding among any such parties, each party hereto acknowledges that any liability of any Lender that is an Affected Financial Institution arising under any Credit Document, to the extent such liability is unsecured, may be subject to the write-down and conversion powers of the applicable Resolution Authority and agrees and consents to, and acknowledges and agrees to be bound by:

(a) the application of any Write-Down and Conversion Powers by the applicable Resolution Authority to any such liabilities arising hereunder which may be payable to it by any party hereto that is an Affected Financial Institution; and

(b) the effects of any Bail-in Action on any such liability, including, if applicable:

(i) a reduction in full or in part or cancellation of any such liability;

(ii) a conversion of all, or a portion of, such liability into shares or other instruments of ownership in such Affected Financial Institution, its parent undertaking, or a bridge institution that may be issued to it or otherwise conferred on it, and that such shares or other instruments of ownership will be accepted by it in lieu of any rights with respect to any such liability benefit under this Agreement or any other Credit Document; otherwise that is eligible for exemption from Section 409A pursuant to Treasury Regulation § 1.409A-1(b)(9)(v)(A) or

(iii) (C) (relating to certain reimbursements and in-kind benefits) shall be paid or provided to Executive only to the variation extent that the expenses are not incurred, or the benefits are not provided, beyond the last day of the terms of second calendar year following the calendar year in which Executive's “separation from service” occurs; and provided that such liability in connection with expenses are reimbursed no later than the exercise last day of the write-down and conversion powers second (2nd) calendar year following the calendar year in which Executive's “separation from service” occurs. To the extent that any indemnification payment, expense reimbursement, or provision of the applicable Resolution Authority.

~~(Signature Pages Follow)~~ [\[remainder of page intentionally left blank\]](#)

This FIFTH AMENDMENT TO CREDIT AGREEMENT, dated as of October 21, 2022 (including the annexes, schedules, exhibits and other attachments hereto, this “Fifth Amendment”), by and among Vistra Operations Company LLC, a Delaware limited liability company (the “Borrower”), Vistra Intermediate Company LLC, a Delaware limited liability company (“Holdings”), the other Credit Parties (as defined in the Credit Agreement referred to below) party hereto, the financial institutions providing 2022-E New Revolving Credit Commitments (as defined below) (each, a “2022-E New Revolving Loan Lender”) and Citibank, N.A., as Administrative Agent and as Collateral Agent. Capitalized terms used but not defined herein shall have the respective meanings assigned to such terms in the Credit Agreement (as defined below) as modified hereby.

RECITALS:

WHEREAS, reference is hereby made to the Credit Agreement, dated as of February 4, 2022 (as amended by the First Amendment to Credit Agreement, dated as of May 5, 2022 (the “First Amendment”), as further amended by the Second Amendment to Credit Agreement, dated as of May 26, 2022 (the “Second Amendment”), as further amended by the Third Amendment to Credit Agreement, dated as of June 8, 2022 (the “Third Amendment”), as further amended by the Fourth Amendment to Credit Agreement, dated as of October 5, 2022 (the “Fourth Amendment”) and as further amended, restated, amended and restated, supplemented and/or otherwise modified from time to time prior to the Fifth Amendment Effective Date referred to below, the “Credit Agreement”), among Holdings, the Borrower, the Lenders party thereto, the Administrative Agent, the Collateral Agent and the other parties named therein;

WHEREAS, the Borrower intends to amend the Credit Agreement to establish additional Revolving Credit Commitments (which establishment was approved by the Required Lenders in the First Amendment) by, among other things, entering into this Fifth Amendment with the Administrative Agent and the 2022-E New Revolving Loan Lenders as set forth herein, subject to the terms and conditions hereof and the Credit Agreement (as modified hereby);

NOW, THEREFORE, in consideration of the premises and agreements, provisions and covenants herein contained, the parties hereto agree as follows:

A. Amendments to Credit Agreement.

1. Amendments to the Credit Agreement. Effective as of the Fifth Amendment Effective Date, and subject to the terms and conditions set forth herein, the Credit Agreement is hereby amended as follows:

(a) Section 1.1 of the Credit Agreement is hereby amended by adding the following definitions in appropriate alphabetical order:

“Fifth Amendment” means that certain Fifth Amendment to Credit Agreement, dated as of the Fifth Amendment Effective Date, among Holdings, the Borrower, the other Credit Parties, the Administrative Agent, the Collateral Agent, the Lenders party thereto and the various other parties party thereto.

“Fifth Amendment Effective Date” shall have the meaning provided in the Fifth Amendment.

(b) The definition of “Joint Lead Arrangers” appearing in Section 1.1 of the Credit Agreement is hereby amended by deleting said definition in its entirety and inserting the following new definition in lieu thereof:

“Joint Lead Arrangers” shall mean (a) Citibank, N.A., Barclays Bank PLC, BMO Capital Markets Corp., BNP Paribas Securities Corp., Credit Agricole Corporate and Investment Bank, Credit Suisse Loan Funding LLC, Goldman Sachs Bank USA, JPMorgan Chase Bank, N.A., Mizuho Bank, Ltd., Morgan Stanley Senior Funding, Inc., MUFG Bank, Ltd., Natixis, New York Branch and Royal Bank of Canada, as joint lead

arrangers and joint bookrunners for the Lenders under this Agreement and the other Credit Documents, (b) Citibank, N.A., as lead arranger and bookrunner with respect to the First Amendment and the transactions contemplated thereby, (c) Citibank, N.A., as lead arranger and bookrunner with respect to the Second Amendment, the Third Amendment and the Fourth Amendment and the transactions contemplated thereby and (d) Citibank, N.A. and Sumitomo Mitsui Banking Corporation, as joint lead arrangers and joint bookrunners with respect to the Fifth Amendment and the transactions contemplated thereby.

(c) The definition of “Revolving Credit Commitment” appearing in Section 1.1 of the Credit Agreement is hereby amended by deleting said definition in its entirety and inserting the following new definition in lieu thereof:

“Revolving Credit Commitment” shall mean, (a) with respect to each Lender on the Fifth Amendment Effective Date, the amount set forth opposite such Lender’s name on Schedule 1.1(a) (as amended by the Fifth Amendment) as such Lender’s “Revolving Credit Commitment” and (b) in the case of any Lender that becomes a Lender after the Fifth Amendment Effective Date, the amount specified as such Lender’s “Revolving Credit Commitment” in the Assignment and Acceptance pursuant to which such Lender assumed a portion of the Total Revolving Credit Commitment, in each case as such Revolving Credit Commitment may be changed from time to time pursuant to the terms hereof (or any amendment hereto). On the Closing Date and prior to the First Amendment Effective Date, the aggregate amount of the Revolving Credit Commitments of all Lenders was \$1,000,000,000. On the First Amendment Effective Date and prior to the Second Amendment Effective Date, the aggregate amount of the Revolving Credit Commitments of all Lenders was \$2,000,000,000. On the Second Amendment Effective Date and prior to the Third Amendment Effective Date, the aggregate amount of the

Revolving Credit Commitments of all Lenders was \$2,200,000,000. On the Third Amendment Effective Date and prior to the Fourth Amendment Effective Date, the aggregate amount of the Revolving Credit Commitments of all Lenders was \$2,250,000,000. On the Fourth Amendment Effective Date and prior to the Fifth Amendment Effective Date, the aggregate amount of the Revolving Credit Commitments of all Lenders was \$1,250,000,000. On the Fifth Amendment Effective Date, the aggregate amount of the Revolving Credit Commitments of all Lenders is \$1,350,000,000.

- (d) Section 2.11 of the Credit Agreement is hereby amended by deleting the last sentence thereof in its entirety and inserting the following new sentence in lieu thereof:

For the avoidance of doubt, the reallocation of SOFR Loans on the Second Amendment Effective Date, Third Amendment Effective Date, Fourth Amendment Effective Date and Fifth Amendment Effective Date as contemplated by the Second Amendment, Third Amendment, Fourth Amendment and Fifth Amendment, respectively, shall not require the payment of any compensation under this Section 2.11.

B. Special Provisions Applicable to Revolving Credit Commitments.

1. Each 2022-E New Revolving Loan Lender acknowledges and agrees that upon its execution of this Fifth Amendment and the provision of its 2022-E New Revolving Credit Commitment that such 2022-E New Revolving Loan Lender shall be (or become) a "Revolving Credit Lender" and a "Lender" with respect to 2022-E New Revolving Credit Commitments (as defined below) under, and for all purposes of, the Credit Agreement and the other Credit Documents (in each case, as modified hereby), and shall be subject to and bound by the terms thereof, and shall perform all the obligations of and shall have all rights of a Revolving Credit Lender and a Lender thereunder.

2. Each 2022-E New Revolving Loan Lender hereby agrees to provide additional Revolving Credit Commitments (and make Revolving Credit Loans) in the aggregate principal amount set forth opposite such 2022-E New Revolving Loan Lender's name on Schedule I annexed hereto (such additional Revolving Credit Commitments, the "2022-E New Revolving Credit Commitments"), on the terms and subject to the conditions set forth below and in the Credit Agreement (as modified hereby) (the "2022-E Revolving Commitment Increase"), which shall constitute an increase to the existing Revolving Credit Commitments. The 2022-E New Revolving

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Credit Commitments shall (i) become a part of the existing class of Revolving Credit Commitments for all purposes of the Credit Agreement and the other Credit Documents (in each case, as modified hereby) and (ii) together with all related Revolving Credit Exposure, any in-kind benefit is determined to be subject to Section 409A (and not exempt pursuant to the same prepayment provisions, Revolving Credit Termination Date and prior sentence or otherwise), the amount of any such indemnification payment or expenses eligible for reimbursement, or the provision of any in-kind benefit, in one (1) calendar year shall not affect the indemnification payment or provision of in-kind benefits or expenses eligible for reimbursement in any other terms and conditions calendar year (except for any lifetime or other aggregate limitation applicable to medical expenses to the existing Revolving Credit Commitments and Revolving Credit Loans under extent permitted by Section 409A), such indemnification, reimbursement, or in-kind benefits shall be provided for the Credit period set forth in this Agreement, and or if no such period is set forth, during Executive's lifetime, in no event shall any indemnification payment or expenses be reimbursed after the other Credit Documents (in each case, as modified hereby).

3. Each 2022-E New Revolving Loan Lender (i) confirms that it has received a copy last day of the Credit Agreement calendar year following the calendar year in which Executive incurred such indemnification payment or expenses, and in no event shall any right to indemnification payment or reimbursement or the other Credit Documents and the schedules and exhibits thereto (in each case, as modified hereby), together with copies provision of the financial statements referred any in-kind benefit be subject to therein and such other documents and information as it has deemed appropriate to make its own credit analysis and decision to enter into this Fifth Amendment; (ii) agrees that it will, independently and without reliance upon any Agent liquidation or any other Lender and based on such documents and information as it shall deem appropriate at the time, continue to make its own credit decisions in taking or not taking action under the Credit Agreement (as modified hereby); (iii) appoints and authorizes each Agent to take such action as agent on its behalf and to exercise such powers under the Credit Agreement and the other Credit Documents (in each case, as modified hereby) as are delegated to such Agent by the terms thereof, together with such powers as are reasonably incidental thereto; and (iv) agrees that it will perform in accordance with their terms all of the obligations which by the terms of the Credit Agreement (as modified hereby) are required to be performed by it as a Revolving Credit Lender.

4. The parties hereto hereby agree that, on the Fifth Amendment Effective Date, (i) the Total Revolving Credit Commitment shall increase by the aggregate amount of the 2022-E New Revolving Credit Commitments of the 2022-E New Revolving Loan Lenders provided hereunder and (ii) the Borrower and the

Administrative Agent, as the case may be, shall be permitted to take all actions that are, in their reasonable discretion, necessary or advisable to consummate the transactions contemplated by this Fifth Amendment (including any prepayments and reborrowings (or deemed prepayments and reborrowings) of Revolving Credit Loans requested by the Administrative Agent after giving effect to the 2022-E Revolving Commitment Increase). For the avoidance of doubt, each of the Revolving Credit Lenders with an existing Revolving Credit Commitment on the Fifth Amendment Effective Date prior to giving effect to this Fifth Amendment shall automatically and without further act be deemed to have assigned to each 2022-E New Revolving Loan Lender with a 2022-E New Revolving Credit Commitment, and each of such 2022-E New Revolving Loan Lenders shall automatically and without further act be deemed to have purchased and assumed, at the principal amount thereof, such interests in the Revolving Credit Loans on the Fifth Amendment Effective Date as shall be necessary in order that, after giving effect to all such assignments and assumptions, the Revolving Credit Loans will be held by all Revolving Credit Lenders (including the 2022-E New Revolving Loan Lenders) ratably in accordance with their respective Revolving Credit Commitments after giving effect to the 2022-E Revolving Commitment Increase (and the Administrative Agent and the Lenders party hereto hereby agree that the minimum borrowing, *pro rata* borrowing and *pro rata* payment requirements contained in the Credit Agreement shall not apply to the transactions effected pursuant to this Section B.4).

5. Substantially simultaneously with the effectiveness of the 2022-E New Revolving Credit Commitments, Schedule 1.1(a) to the Credit Agreement shall be amended and restated in its entirety as follows: exchange for another benefit.

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Revolving Credit Commitments IN WITNESS WHEREOF, this Agreement has been duly executed by the parties as of the date first written above.

VISTRA CORP.

/s/ Carrie Kirby

Name: Carrie Lee Kirby

Title: Chief Administrative Officer

JAMES A. BURKE

/s/ James A. Burke

[Signature Page to Employment Agreement]

Exhibit A

Revolving Credit Lender OIP	Revolving Credit Commitment	Equity awards to be subject to the terms of the Company's Omnibus Incentive Plan.
Citibank, N.A. One-Time Equity Awards	\$100,000,000	On the Effective Date, Executive will be granted (i) an equity award in the form of RSUs with a value equal to \$750,000 and (ii) an equity award in the form of PSUs with a value equal to \$1,250,000 on the same terms and conditions as the PSUs previously granted to Executive in 2022.
Bank Annual Equity Awards		Executive will be granted annual equity awards in an amount determined by the Board. Such awards may be in the form of America, N.A.
Bank Involuntary Termination Without Cause / Resignation for Good Reason / Non-Renewal of Montreal, Chicago Branch Term by the Company	\$100,000,000	Subject to delivery (and non-revocation) of the Release and continued compliance with Sections 6 and 7 of this Agreement, accelerated vesting of the portion of Executive's outstanding equity awards that would have vested in the 12 months following termination had Executive remained employed (fully vested options to remain exercisable for 90 days following termination or, if Executive is subject Section 16 of the Exchange Act as of such Termination, 180 days from the date of such termination (or until the option's regular expiration date, if shorter)).
Barclays Bank PLC Termination with Cause / Resignation Without Good Reason / Non-Renewal of the Term by Executive	\$100,000,000	All options and other outstanding awards (unvested and vested) are forfeited upon a termination for Cause. On any other termination, Executive will retain all vested awards (forfeits unvested), and vested options remain exercisable for 30 days following termination or, if Executive is subject Section 16 of the Exchange Act as of such Termination, 180 days from the date of such termination (or until the option's regular expiration date, if shorter).
BNP Paribas Death / Disability	\$100,000,000	Accelerated vesting of the portion of Executive's equity awards that would have vested in the 12 months following termination had he remained employed (fully vested options to remain exercisable for one year following termination (or until the option's regular expiration date, if shorter)).
Credit Agricole Corporate and Investment Bank Involuntary Termination Without Cause / Resignation for Good Reason / Non-Renewal of Term by the Company Following a Change in Control	\$100,000,000	
Credit Suisse AG, New York Branch	\$100,000,000	
Goldman Sachs Bank USA	\$100,000,000	
JPMorgan Chase Bank, N.A.	\$100,000,000	
Mizuho Bank, Ltd.	\$100,000,000	
Morgan Stanley Senior Funding, Inc.	\$60,000,000	
Morgan Stanley Bank, N.A.	\$40,000,000	
MUFG Bank, Ltd.	\$25,000,000	
Royal Bank		All equity awards that were outstanding at the time of Canada
Sumitomo Mitsui Banking Corporation	\$100,000,000	
Truist Bank	\$100,000,000	
TOTAL:	\$1,350,000,000	the Change in Control will vest upon such termination.

\$25,000,000 options, restricted stock units, performance shares, or any other form as approved by the Board.

Exhibit B

Release of Claims

As used in this Release of Claims (this “Release”), the term “claims” will include all claims, covenants, warranties, promises, undertakings, actions, suits, causes of action, proceedings, obligations, debts, accounts, attorneys’ fees, judgments, losses, and liabilities, of whatsoever kind or nature, in law, in equity, or otherwise. Capitalized terms used but not defined in this Release will have the meanings given to them in the employment agreement dated May 1, 2019 between Vistra Corp. (the “Company”) and James A. Burke (my “Prior Employment Agreement”) until July 31, 2022, after which date such terms will have the meanings given to them in the employment agreement dated March 20, 2022 between the Company and James A. Burke (my “Employment Agreement”).

For and in consideration of the severance payments and benefits, and other good and valuable consideration, I, for and on behalf of myself and my executors, heirs, administrators, representatives, and assigns, hereby agree to release and forever discharge the Company and each of its direct and indirect parent and subsidiary entities, and all of their respective predecessors, successors, and past, current, and future parent entities, affiliates, subsidiary entities, investors, directors, shareholders, members, officers, general or limited partners, employees, attorneys, agents, and representatives, and the employee benefit plans in which I am or have been a participant by virtue of my employment with or service to the Company (collectively, the “Company Releasees”), from any and all claims that I have or may have had against the Company Releasees based on any events or circumstances arising or occurring on or prior to the date hereof and arising directly or indirectly out of, relating to, or in any other way involving in any manner whatsoever my employment by or service to the Company or the termination thereof, including, without limitation, any and all claims arising under federal, state, or local laws relating to employment, including, without limitation, claims of wrongful discharge, breach of express or implied contract, fraud, misrepresentation, defamation, intentional infliction of emotional distress, whistleblowing, or liability in tort, and claims of any kind that may be brought in any court or administrative agency, and any related claims for attorneys’ fees and costs, including, without limitation, claims under Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. Section 2000, et seq.; the Americans with Disabilities Act, as amended, 42 U.S.C. § 12101 et seq.; the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 701 et seq.; the Civil Rights Act of 1866, and the Civil Rights Act of 1991, 42 U.S.C. Section 1981, et seq.; the Age Discrimination in Employment Act, as amended, 29 U.S.C. Section 621, et seq. (the “ADEA”); the Equal Pay Act, as amended, 29 U.S.C. Section 206(d); regulations of the Office of Federal Contract Compliance, 41 C.F.R. Section 60, et seq.; the Family and Medical Leave Act, as amended, 29 U.S.C. § 2601 et seq.; the Fair Labor Standards Act of 1938, as amended, 29 U.S.C. § 201 et seq.; the Employee Retirement Income Security Act, as amended, 29 U.S.C. § 1001 et seq.; and any similar state or local law. I agree further that this Release may be pleaded as a full defense to any action, suit, arbitration, or other proceeding covered by the terms hereof that is or may be initiated, prosecuted, or maintained by me or my descendants, dependents, heirs, executors, administrators, or assigns. By signing this Release, I acknowledge that I intend to waive and release all rights known or unknown that I may have against the Company Releasees under these and any other laws.

I acknowledge and agree that as of the date I execute this Release, I have no knowledge of any facts or circumstances that give rise or could give rise to any claims under any of the laws listed in the preceding paragraph and that I have not filed any claim against any of the Releasees before any local, state, federal, or foreign agency, court, arbitrator, mediator, arbitration or mediation panel, or other body (each individually a “Proceeding”). I (i) acknowledge that I will not initiate or cause to be initiated on my behalf any Proceeding and will not participate in any Proceeding, in each case, except as required by law or to the extent such Proceeding relates to a

claim not waived hereunder; and (ii) waive any right that I may have to benefit in any manner from any relief (whether monetary or otherwise) arising out of any Proceeding, including any Proceeding conducted by the Equal Employment Opportunity Commission (“EEOC”), except in each case to the extent such Proceeding relates to a claim not waived hereunder. Further, I understand that, by executing this Release, I will be limiting the availability of certain remedies that I may have against the Company and limiting also my ability to pursue certain claims against the Company Releasees.

By executing this Release, I specifically release all claims relating to my employment and its termination under ADEA, a federal statute that, among other things, prohibits discrimination on the basis of age in employment and employee benefit plans.

Notwithstanding the generality of the foregoing, I do not release (i) claims to receive my severance payments and benefits in accordance with the terms of the Employment Agreement, (ii) claims with respect to benefits to which I am entitled under the employee benefit and compensation plans of the Company and its affiliates, including any rights to equity, (iii) claims to indemnification, or (iv) claims that cannot be waived by law. Further, nothing in this Release shall prevent me from (i) initiating or causing to be initiated on my behalf any claim against the Company before any local, state, or federal agency, court, or other body challenging the validity of the waiver of my claims under the ADEA (but no other portion of such waiver); or (ii) initiating or participating in an investigation or proceeding conducted by the EEOC.

I acknowledge that I have been given at least [21]/[45] days in which to consider this Release. I acknowledge further that the Company has advised me to consult with an attorney of my choice before signing this Release, and I have had sufficient time to consider the terms of this Release. I represent and acknowledge that if I execute this Release before [21]/[45] days have elapsed, I do so knowingly, voluntarily, and upon the advice and with the approval of my legal counsel (if any), and that I voluntarily waive any remaining consideration period.

I understand that after executing this Release, I have the right to revoke it within seven (7) days after its execution. I understand that this Release will not become effective and enforceable unless the seven (7)-day revocation period passes and I do not revoke the Release in writing. I understand that this Release may not be revoked after the seven (7)-day revocation period has passed. I understand also that any revocation of this Release must be made in writing and delivered to the Company at its principal place of business within the seven (7)-day period.

This Release will become effective, irrevocable, and binding on the eighth (8th) day after its execution, so long as I have not timely revoked it as set forth above. I understand and acknowledge that I will not be entitled to the severance payments and benefits unless this Release is effective on or before the date that is sixty (60) days following the date of my termination of employment.

I hereby agree to waive any and all claims to re-employment with the Company or any of its affiliates and affirmatively agree not to seek further employment with the Company or any of its affiliates.

The provisions of this Release will be binding upon my heirs, executors, administrators, legal representatives, and assigns. If any provision of this Release will be held by any court of competent jurisdiction to be illegal, void, or unenforceable, such provision will be of no force or effect. The illegality or unenforceability of such provision, however, will have no effect upon and will not impair the enforceability of any other provision of this Release.

This Release will be governed in accordance with the laws of the State of Delaware, without reference to the principles of conflicts of law. Any dispute or claim arising out of or

relating to this Release or claim of breach hereof will be brought exclusively in the federal and state courts located within Delaware. By execution of this Release, I am waiving any right to trial by jury in connection with any suit, action, or proceeding under or in connection with this Release.

James A. Burke

DATE

EMPLOYMENT AGREEMENT

C. This EMPLOYMENT AGREEMENT ("Conditions Precedent Agreement"), executed on July 20, 2022 and effective as of August 1, 2022 (the "Effective Date"), is between Vistra Corp., Vistra Corporate Services Company (together, the "Company"), and Kristopher E. Moldovan ("Executive").

Recitals:

WHEREAS, the Company and Executive desire to enter into a written employment agreement to reflect the terms upon which Executive shall continue to provide services to the Company.

NOW, THEREFORE, in consideration of the premises and covenants contained herein, and intending to be legally bound hereby, the parties to this Agreement hereby agree as follows:

1. Term.

(a) This Fifth Amendment The term of Executive's employment under this Agreement shall ~~become~~ be effective as of the first date Effective Date, and shall continue until the three (3)-year anniversary of the Effective Date (the "Fifth Amendment Effective Initial Expiration Date") when; provided that on the Initial Expiration Date and each subsequent anniversary of the conditions Initial Expiration Date, the term of Executive's employment under this Agreement shall be extended for one (1) additional year unless either party provides written notice to the other party at least sixty (60) days prior to the Initial Expiration Date (or any such anniversary, as applicable) that Executive's employment shall not be so extended (in which case, Executive's employment shall terminate on the Initial Expiration Date or any such anniversary, as applicable); provided, however, that Executive's employment under this Agreement may be terminated at any earlier time pursuant to the provisions of Section 5. The period of time from the Effective Date through the termination of this Agreement and Executive's employment hereunder pursuant to its terms is herein referred to as the "Term"; and the date on which the Term is scheduled to expire (i.e., the Initial Expiration Date or the scheduled expiration of the extended term, if applicable) is herein referred to as the "Expiration Date."

(b) Executive agrees and acknowledges that the Company has no obligation to extend the Term or to continue Executive's employment following the Expiration Date, and Executive expressly acknowledges that no promises or understandings to the contrary have been made or reached.

2. Definitions. For purposes of this Agreement, the following terms, as used herein, shall have the definitions set forth below.

(a) "Affiliate" means, with respect to any specified Person, any other Person that directly or indirectly, through one or more intermediaries, Controls, is Controlled by, or is under common Control with, such specified Person.

(b) "Change in Control" shall be deemed to occur upon any of the following events:

(i) the acquisition by any Person or related "group" (as such term is used in Sections 13(d) and 14(d) of the U.S. Securities Exchange Act of 1934, as amended, and any successor thereto (the "Exchange Act")) of Beneficial Ownership (as defined in Rule 13d-3 promulgated under Section 13 of the Exchange Act) of 30% or more (on a fully diluted basis) of either (A) the then-outstanding shares of the common stock of the Company (the "Common Stock"), including Common Stock issuable upon the exercise of options or warrants, the conversion of convertible stock or debt, and the exercise of any similar right to acquire such Common Stock (the "Outstanding Company Common Stock"); or (B) the combined voting power of the then-outstanding voting securities of the Company entitled to vote in the election of

directors (the “Outstanding Company Voting Securities”); but excluding any acquisition by the Company or any of its Affiliates or by any employee benefit plan sponsored or maintained by the Company or any of its Affiliates;

(ii) a change in the composition of the Board such that members of the Board during any consecutive twelve (12)-month period (the “Incumbent Directors”) cease to constitute a majority of the Board. Any person becoming a director through election or nomination for election approved by a valid vote of at least two thirds of the Incumbent Directors shall be deemed an Incumbent Director; provided, however, that no individual becoming a director as a result of an actual or threatened election contest, as such terms are used in Rule 14a-12 of Regulation 14A promulgated under the Exchange Act, or as a result of any other actual or threatened solicitation of proxies or consents by or on behalf of any person other than the Board shall be deemed an Incumbent Director;

(iii) the approval by the shareholders of the Company of a plan of complete dissolution or liquidation of the Company; or

(iv) the consummation of a reorganization, recapitalization, merger, consolidation, statutory share exchange or similar form of corporate transaction involving the Company (a “Business Combination”), or sale, transfer or other disposition of all or substantially all of the business or assets of the Company to an entity that is not an Affiliate of the Company (a “Sale”), unless immediately following such Business Combination or Sale: (A) more than 50% of the total voting power of the entity resulting from such Business Combination or the entity that acquired all or substantially all of the business or assets of the Company in such Sale (in either case, the “Surviving Company”), or the ultimate parent entity that has Beneficial Ownership of sufficient voting power to elect a majority of the board of directors (or analogous governing body) of the Surviving Company (the “Parent Company”), is represented by the Outstanding Company Voting Securities that were outstanding immediately prior to such Business Combination or Sale (or, if applicable, is represented by shares into which the Outstanding Company Voting Securities were converted pursuant to such Business Combination or Sale), and such voting power among the holders thereof is in substantially the same proportion as the voting power of the Outstanding Company Voting Securities among the holders thereof immediately prior to the Business Combination or Sale, (B) no Person or related group of Persons (other than any employee benefit plan sponsored or maintained by the Surviving Company or the Parent Company) is or becomes the beneficial owner, directly or indirectly, of 50% or more of the total voting power of the outstanding voting securities eligible to elect members of the board of directors (or the analogous governing body) of the Parent Company (or, if there is no Parent Company, the Surviving Company) and (C) at least a majority of the members of the board of directors (or the analogous governing body) of the Parent Company (or, if there is no Parent Company, the Surviving Company) following the consummation of the Business Combination or Sale were Board members at the time of the Board’s approval

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of the execution of the initial agreement providing for such Business Combination or Sale.

(c) “Cause” means (i) Executive’s willful and continued failure to perform Executive’s duties with the Company; (ii) Executive’s willful and continued failure to follow and comply with the written policies of the Company as in effect from time to time; (iii) Executive’s willful commission of an act of fraud or dishonesty resulting in economic or financial injury to the Company; (iv) Executive’s willful engagement in illegal conduct or gross misconduct; (v) Executive’s willful breach of this Agreement; or (vi) Executive’s indictment for, conviction of, or a plea of guilty or nolo contendere to any felony or other crime involving moral turpitude. No act or failure to act will be treated as willful if it is done, or omitted to be done, by Executive in good faith and with a good faith belief that such act or omission was in the best interests of the Company.

(d) “Control” (including, with correlative meanings, the terms “Controlled by” and “under common Control with”), as used with respect to any Person, means the direct or indirect possession of the power to direct or cause the direction of the management or policies of such Person, whether through the ownership of voting securities or by contract.

(e) “Disability” means Executive would be entitled to long-term disability benefits under the Company’s long-term disability plan as in effect from time to time, without regard to any waiting or elimination period under such plan and assuming for the purpose of such determination that Executive is actually participating in such plan at such time. If the Company does not maintain a long-term disability plan, “Disability” means Executive’s inability to perform Executive’s duties and responsibilities hereunder on a full-time basis for a consecutive period of one hundred eighty (180) days due to physical or mental illness or incapacity that is determined to be total and permanent by a physician selected by the Company or its insurers and reasonably acceptable to Executive or Executive’s legal representative.

(f) "Good Reason" means the occurrence, without the consent of Executive, of either of the following events: (i) any material diminution of, or modification to, Executive's title, duties, responsibilities, authorities, or terms of employment set forth in this Section C.3 or (ii) any breach by the Company of any of its material obligations to Executive. Prior to resigning for Good Reason, Executive shall give written notice to the Company of the facts and circumstances claimed to provide a basis for such resignation not more than sixty (60) days following Executive's knowledge of such facts and circumstances, and the Company shall have been satisfied: ten (10) business days after receipt of such notice to cure (and if so cured, Executive shall not be permitted to resign for Good Reason in respect thereof) and Executive shall resign within ten (10) business days following the Company's failure to cure.

1. (g) The Administrative Agent shall have received duly executed counterparts hereof that, when taken together, bear the signatures of (a) the Borrower, (b) each of the "Person" means any individual, firm, corporation, partnership, limited liability company, trust, joint venture, association, unincorporated entity, or other Credit Parties, (c) the Administrative Agent and the Collateral Agent and (d) each 2022-E New Revolving Loan Lender.

2. The Administrative Agent shall have received a customary legal opinion of (a) Sidley Austin LLP, counsel to the Credit Parties and (b) Yuki Whitmire, Associate General Counsel of Vistra Energy Corp., in each case, addressed to the Administrative Agent, the Collateral Agent and each Revolving Credit Lender party to the Credit Agreement (as modified hereby) as of the Fifth Amendment Effective Date, in each case, dated as of the Fifth Amendment Effective Date and in form and substance reasonably satisfactory to the Administrative Agent, entity.

3. **Duties and Responsibilities.** The Administrative Agent Company hereby employs Executive, and Executive hereby accepts employment, subject to the terms and conditions contained herein, during the Term, as the Executive Vice President and Chief Financial Officer. During the Term, Executive agrees to be employed by and devote all of Executive's business time and attention to the Company and the promotion of its interests and to use Executive's best efforts to faithfully and diligently serve the Company; provided, however, that, to the extent that such activities do not significantly interfere with the performance of Executive's duties, services, and responsibilities under this Agreement, Executive shall be permitted to (a) manage Executive's personal, financial, and legal affairs, (b) serve on civic or charitable boards and committees of such boards and (c) to the extent approved by the Board of Directors of the Company (the "Board") pursuant to a duly authorized resolution of the Board, serve on corporate boards and

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committees of such boards. Executive will report to the Chief Executive Officer. Executive will perform such lawful duties and responsibilities as are commensurate with Executive's title and position, and such other duties and responsibilities commensurate with Executive's title and position as may be reasonably requested by the Chief Executive Officer and the Board from time to time. Executive will have received (w) a certificate from the authority customarily exercised by an individual serving as an Executive Vice President and Chief Financial Officer or Senior Vice President and Treasurer of a corporation of the Borrower, dated size and nature of the Fifth Amendment Effective Date, substantially Company. Executive's place of employment will be in Irving, Texas.

4. **Compensation and Related Matters.** (a) **Base Salary.** During the Term, Executive shall receive an aggregate annual base salary ("Base Salary") at an initial rate of \$615,000.00, payable in accordance with the Company's applicable payroll practices. Base Salary shall be reviewed annually by the Board and increased (but not decreased) in the form Board's sole discretion. References in this Agreement to Base Salary shall be deemed to refer to the most recently effective annual base salary rate.

(b) **Annual Bonus.** During the Term, Executive shall be eligible to receive a cash bonus (the "Annual Bonus") for each year (or portion thereof), provided that, except as otherwise provided herein, Executive has remained employed by the Company as of the certificate provided pursuant to Section 6.9 applicable payment date. Executive's target bonus opportunity for any particular year (the "Target Bonus") shall be 80% of Base Salary, and Executive's maximum bonus opportunity shall be 200% of the Credit Agreement (with appropriate adjustments Target Bonus. The Annual Bonus shall be subject to reflect performance metrics approved by the 2022-E Revolving Commitment Increase) Board based on key short-term objectives and certifying that, immediately after giving effect to this Fifth Amendment and shall be at the 2022-E Revolving Commitment Increase and the other transactions contemplated hereby, the Borrower and its Subsidiaries, on a consolidated basis, are Solvent, (x) a certificate of good standing (or subsistence) with respect to each Credit Party from the Secretary of State (or similar official) full discretion of the State Board. Any Annual Bonus shall be paid in the fiscal year following the fiscal year to which such Annual Bonus relates, at the same as annual bonuses are paid to all other senior executives.

(c) Equity Compensation. Executive shall be entitled to receive equity compensation awards as described in Exhibit A.

(d) Benefits and Perquisites. During the Term, Executive shall be entitled to participate in the benefit plans and programs and receive perquisites that are provided by the Company from time to time for its senior executives generally, subject to the terms and conditions of such Credit Party's organization, (y) a closing certificate executed by an Authorized Officer of plans and programs, as they may be amended from time to time, and commensurate with Executive's position. During the Borrower, dated the Fifth Amendment Effective Date, certifying as Term, Executive shall be entitled to the accuracy (with respect up to \$15,000 per year for tax and financial planning).

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clauses (a), (b) (e) Business Expense Reimbursements. During the Term, the Company shall promptly reimburse Executive for Executive's reasonable and (c) necessary business expenses in accordance with the Company's then-prevailing policies and procedures for expense reimbursement (which shall include appropriate itemization and substantiation of expenses incurred).

(f) Section D.2 Indemnification of this Fifth Amendment, in. The Company shall indemnify and hold harmless Executive, to the fullest extent permitted by law and the Company's governing documents, against all material respects) claims, expenses, damages, liabilities, and losses incurred by Executive (whether before or after the Effective Date) by reason of the matters set forth in Section D.2 of this Fifth Amendment and (z) fact that Executive is or was, or had agreed to become, a certificate executed by an Authorized Officer consultant, director, officer, employee, agent, or fiduciary of the Borrower, dated Company or any of its subsidiaries or Affiliates or predecessors of any of the Fifth Amendment Effective Date, certifying foregoing, or any benefit plan of any of the foregoing, or is or was serving at the request of the Company as a consultant, director, officer, partner, venturer, proprietor, trustee, employee, agent, fiduciary, or similar functionary of another corporation, partnership, joint venture, business, person, trust, employee benefit plan, or other entity. The Company shall provide Executive with customary directors' and officers' liability insurance coverage both during and after the Term with regard to matters occurring during employment or while otherwise providing services to, or serving at the request of, the Company or any of its subsidiaries or Affiliates, or any benefit plan of any of the foregoing, which coverage shall be at a level at least equal to the incumbency greatest level being maintained at such time for any current officer or director and specimen signature shall continue until such time as suits can no longer be brought against Executive as a matter of each officer law. Executive will be entitled to advancement of a Credit Party executing this Fifth Amendment or expenses in connection with any claim in the same manner and to the same extent to which any other document delivered in connection herewith on behalf of any Credit Party and attaching (A) a true and complete copy officer or director of the certificate of incorporation (or other applicable charter document) of each Credit Party, including all amendments thereto, as in effect on the Fifth Amendment Effective Date, certified as of a recent date by the Secretary of State (or analogous official) of the jurisdiction of its organization, that has not been amended since the date of the last amendment thereto shown on the certificate of good standing furnished pursuant to clause (x) above, (B) a true and complete copy of the by-laws (or other applicable operating agreements) of each Credit Party as in effect on the Fifth Amendment Effective Date and (C) a true and complete copy of resolutions duly adopted or written consents duly executed by the board of directors (or equivalent governing body or any committee thereof) of each Credit Party authorizing the execution, delivery and performance of this Fifth Amendment, the performance of the Credit Agreement and the other Credit Documents (in each case, as modified hereby), the transactions contemplated by this Fifth Amendment and certifying that such resolutions or written consents have not been modified, rescinded or amended and are in full force and effect. Company is entitled. Notwithstanding the foregoing, the conditions set forth Company shall not be required to indemnify or advance expenses to Executive in clauses (z)(A) and (z)(B) of the immediately preceding sentence may be satisfied by a certification of an Authorized Officer of the Borrower certifying that there have been no changes to the applicable Organizational Documents since the versions thereof previously delivered to the Administrative Agent.

4. No Default or Event of Default shall have occurred and be continuing (both immediately before and immediately after giving effect to this Fifth Amendment and the transactions contemplated hereby).

5. The Administrative Agent shall have received a certificate, dated as of the Fifth Amendment Effective Date and executed by an Authorized Officer of the Borrower, certifying that the condition in Section C.4 above has been satisfied on such date.

6. The Administrative Agent shall have received, at least two Business Days prior to the Fifth Amendment Effective Date, all documentation and other information connection with respect to the Credit Parties that is requested by the Administrative Agent or a Lender and is required by regulatory authorities under applicable "know your customer" and anti-money laundering rules and regulations, including the Patriot Act, in each case to the extent reasonably requested in writing at least 5 Business Days prior to the Fifth Amendment Effective Date by the Administrative Agent or the Lenders.

7. The Borrower shall pay (i) all then-accrued and outstanding interest with respect to all outstanding Revolving Credit Loans immediately prior to such incurrence and (ii) all then-accrued and outstanding Revolving Credit Commitment Fees immediately prior to such incurrence, in each case, irrespective of whether such accrued amounts are otherwise then due and payable by the terms of the Credit Agreement.

8. The Borrower shall, to the extent invoiced prior to the Fifth Amendment Effective Date, reimburse or pay all reasonable and documented out-of-pocket expenses any dispute in connection with this Fifth Amendment Agreement or Executive's employment hereunder; (ii) any action, claim, or proceeding initiated by Executive against the Company unless such action, claim, or proceeding is approved in advance by the Board in writing; or (iii) any liabilities, damages, claims or expenses incurred that are attributable to Executive's fraud, bad faith, willful misconduct, or gross negligence.

5. **Termination of Employment.** (a) Executive's employment under this Agreement may be terminated by either party at any time and for any reason; provided, however, that Executive shall be required to give the Company at least sixty (60) days' advance written notice of any voluntary resignation of Executive's employment hereunder (other than resignation for Good Reason) (and in such event the Company in its sole discretion may elect to accelerate Executive's date of termination of employment, it being understood that such termination shall still be treated as a voluntary resignation without Good Reason for purposes of this Agreement). Notwithstanding the foregoing, Executive's employment shall terminate automatically upon Executive's death.

(b) Following any termination of Executive's employment under this Agreement, except as provided under Sections 5(c), 5(d), and 5(e), the obligations of the Company to pay or provide Executive with compensation and benefits under Section 4 shall cease, and the Company shall have no further obligations to provide compensation or benefits to Executive hereunder, except (i) for payment of any accrued but unpaid Base Salary and any other reasonable accrued but unused vacation and documented out-of-pocket for payment of any unreimbursed business expenses under Section 4(e), in each case accrued or incurred through the date of termination of employment, payable as soon as practicable and in all events within thirty (30) days following the Agents, excluding the reasonable fees, charges and disbursements date of counsel for the Agents termination of employment, (ii) as required to be paid or reimbursed pursuant to the Credit Agreement, which shall be paid on a post-closing basis.

9. The Borrower shall have paid to each 2022-E New Revolving Loan Lender, an upfront fee equal to 0.05% of such 2022-E New Revolving Loan Lender's 2022-E New Revolving Credit Commitments.

D. Other Terms.

1. **Credit Agreement Governs.** Except as expressly explicitly set forth in this Fifth Amendment, any other benefit plans, programs, or arrangements applicable to terminated employees in which Executive participates (including, without limitation, equity award agreements), other than severance plans or policies (including severance benefits following a Change in Control), and (iii) as otherwise expressly required by applicable law. For the 2022-E New Revolving Credit Commitments shall avoidance of doubt, except as otherwise be subject to the provisions of the Credit Agreement and the other Credit Documents (in each case, as modified hereby).

2. **Credit Party Certifications.** By execution of this Fifth Amendment, each Credit Party hereby certifies, solely with respect to itself and on behalf of the applicable Credit Party and not in his/her individual capacity, that as of the Fifth Amendment Effective Date: provided below, any Unpaid

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Annual Bonus (as defined below) is forfeited if Executive's employment is terminated for any reason.

(a) (c) If Executive's employment under this Agreement is terminated (i) by the Company without Cause (other than due to death or Disability), (ii) by Executive for Good Reason, or (iii) due to expiration of the Term on the Expiration Date as a result of the Company delivering a notice of non-renewal as contemplated by Section 1, in addition to the payments and benefits specified in Section 5(b), Executive shall be entitled to receive: (i) severance pay in an aggregate amount (the "Severance Pay") equal to, two times (2x) the sum of (A) Base Salary plus (B) Target Bonus; (ii) a prorated Annual Bonus in respect of the fiscal year of termination equal to the product of (x) the amount of Annual Bonus that would have been payable to Executive had Executive's employment not so terminated based on actual performance measured through the fiscal year of termination, and (y) a fraction, the numerator of which is the number of days elapsed in the Company's fiscal year in which the termination occurs through such Credit Party has termination and the corporate or other organizational power denominator of which is the number of days in such fiscal year (the "Prorated Bonus"); (iii) any accrued but unpaid Annual Bonus in respect of the fiscal year prior to the fiscal year of termination (the "Unpaid Annual Bonus"); and authority to execute and deliver this Fifth Amendment and carry out (iv) continued health insurance benefits under the terms and

provisions of this Fifth Amendment and the Credit Agreement and applicable Company benefit plans for twenty-four (24) months, subject to Executive's payment of the other Credit Documents (in each case, as modified hereby) and has taken all necessary corporate or other organizational action to authorize the execution and delivery of this Fifth Amendment and performance of this Fifth Amendment and the Credit Agreement and the other Credit Documents (in each case, as modified hereby);

(b) such Credit Party has duly executed and delivered this Fifth Amendment and each of this Fifth Amendment and the Credit Agreement and the other Credit Documents (in each case, as modified hereby) constitutes the legal, valid and binding obligation cost of such Credit Party enforceable benefits to the same extent that active employees of the Company are required to pay for such benefits from time to time; provided, however, that, such continuation coverage shall end earlier upon Executive's becoming eligible for comparable coverage under another employer's benefit plans; and provided, further, that, to the extent that the provision of such continuation coverage is not permitted under the terms of the Company benefit plans or would result in an adverse tax consequence to the Company, the Company may alternatively provide Executive with a monthly cash payment in an amount equal to the applicable COBRA premium that Executive would otherwise be required to pay to obtain COBRA continuation coverage for such benefits for twenty-four (24) months (assuming that COBRA continuation coverage were available for such period) (minus the cost of such benefits to the same extent that active employees of the Company are required to pay for such benefits from time to time) (the "Healthcare Severance Benefits"), commencing as provided in Section 23(c). The Severance Pay shall be paid in equal installments during the twenty-four (24)-month period following Executive's termination in accordance with its terms, subject the Company's regular payroll practices, but no less frequently than monthly, and commencing as provided in Section 23(c) below. The Unpaid Annual Bonus shall be paid on the date bonuses are paid to other executives during the fiscal year of Executive's termination and the Prorated Bonus shall be paid on the date bonuses are paid to other executives of the Company in the year following the fiscal year of Executive's termination.

(d) Notwithstanding anything herein to the effects of bankruptcy, insolvency, fraudulent conveyance, reorganization and other similar laws relating to or affecting creditors' rights generally and general principles of equity (whether considered contrary, if at any time within eighteen (18) months following a Change in a proceeding in equity or law) (provided that, with respect to the creation and perfection of security interests with respect to Indebtedness, Stock and Stock Equivalents of Foreign Subsidiaries, only to the extent the creation and perfection of such obligation Control, Executive's employment under this Agreement is governed terminated (i) by the Uniform Commercial Code);

(c) none Company without Cause (other than due to death or Disability), (ii) by Executive for Good Reason, or (iii) due to expiration of the execution and delivery by such Credit Party of this Fifth Amendment, Term on the performance by such Credit Party of this Fifth Amendment and the Credit Agreement and the other Credit Documents (in each case, Expiration Date as modified hereby) or the compliance with the terms and provisions hereof or thereof or the consummation a result of the transactions Company delivering a notice of non-renewal as contemplated hereby will (a) contravene any applicable provision of any material Applicable Law (including material Environmental Laws) other than any contravention which would not reasonably be expected to result by Section 1, then Executive, in a Material Adverse Effect, (b) result in any breach lieu of any of the terms, covenants, conditions or provisions of, or constitute a default under, or result in the creation or imposition of any Lien upon any of the property or assets of Holdings, the Borrower or any Restricted Subsidiary (other than Liens created under the Credit Documents, Permitted Liens or Liens subject to an intercreditor agreement permitted hereby or the Collateral Trust Agreement) pursuant to the terms of any material indenture, loan agreement, lease agreement, mortgage, deed of trust or other material debt agreement or instrument to which Holdings, the Borrower or any Restricted Subsidiary is a party or by which it or any of its property or assets is bound other than any such breach, default or Lien that would not reasonably be expected to result in a Material Adverse Effect, or (c) violate any provision of the Organizational Documents of such Credit Party;

(d) the representations amounts and warranties of such Credit Party contained in the Credit Agreement and the other Credit Documents (in each case, as modified hereby) are true and correct in all material respects on and as of the Fifth Amendment Effective Date (both before and after giving effect thereto) to the same extent as though made on and as of the Fifth Amendment Effective Date, except to the extent such representations and warranties expressly relate to an earlier date, in which case such representations and warranties shall have been true and correct in all material respects on and as of such earlier date;

(e) no Default or Event of Default has occurred and is continuing or would result from the consummation of the transactions contemplated hereby; and

(f) the Borrower falls under an express exclusion from the "legal entity customer" definition under 31 C.F.R. §1010.230(e)(2) and the applicable exclusion is 31 C.F.R. §1020.315(b)(5).

3. Notice. For purposes of the Credit Agreement, the initial notice address of any new Revolving Credit Lender shall be as set forth in the Administrative Questionnaire provided to the Administrative Agent by such new Revolving Credit Lender.

4. Recordation of the New Commitments and Loans. On the Fifth Amendment Effective Date (promptly after giving effect thereto), the Administrative Agent will record the 2022-E New Revolving Credit Commitments provided by each 2022-E New Revolving Loan Lender (and related Revolving Credit Loans) (and the Administrative Agent will take into account and make an appropriate record of the amended and restated schedule of Revolving Credit Commitments set forth benefits described in Section B.5.5(c) and in addition to the payments and benefits specified in Section 5(b), shall be entitled to receive (i) the

Unpaid Annual Bonus, (ii) 2.99 times the sum of this Fifth Amendment) (A) Base Salary plus (B) Target Bonus (the "CIC Severance Pay"), in each case, (iii) the product of (x) the Target Bonus, and (y) a fraction, the numerator of which is the number of days elapsed in the Register. Company's fiscal year in which the termination occurs through such termination and the denominator of which is the number of days in such fiscal year (the "Prorated CIC Bonus"), and (iv) the Healthcare Severance Benefits for twenty-four (24) months (as described above and commencing as provided in Section 23(c)). The CIC Severance Pay and the Prorated CIC Bonus shall be paid in cash in a lump sum on the first payroll following the satisfaction of the Release Condition, subject to Section 23(c); provided, however, if the Change in Control does not constitute a "change in the ownership or

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5. effective control of the corporation, or in the ownership of a substantial portion of the assets of the corporation" within the meaning of Section 409A(a)(2)(A)(v) of the Internal Revenue Code of 1986, as amended (the "Amendment, Modification and Waiver Code. This Fifth Amendment may"), the portion of the CIC Severance Pay that is not in excess of the Severance Pay that would have been payable upon such termination if Section 5(c) applied shall be amended, modified or waived except by an instrument or instruments paid to Executive in writing signed and delivered equal monthly installments during the twenty-four (24)-month period following Executive's termination in accordance with the Company's regular payroll practices, but no less frequently than monthly, and commencing as provided in Section 23(c) below, and the portion of the CIC Severance Pay in excess of such amount shall be paid to Executive in a lump sum sixty (60) days after the consummation of the Change in Control. The Unpaid Annual Bonus shall be paid on the date bonuses are paid to other executives during the fiscal year of Executive's termination.

(e) If Executive's employment under this Agreement is terminated due to death or Disability, in addition to the payments and benefits specified in Section 5(b), Executive shall be entitled to receive (i) the Prorated Bonus, paid on the date bonuses are paid to other executives of the Company in the year following the fiscal year of Executive's termination, and (ii) the Unpaid Annual Bonus, paid on the date bonuses are paid to other executives of the Company in the fiscal year of Executive's termination.

(f) Executive's entitlement to the payments and benefits set forth in Sections 5(c) and 5(d) shall be conditioned upon Executive's having provided an irrevocable waiver and release of claims in favor of the Company, its Affiliates, their respective predecessors and successors, and all of the respective current or former directors, officers, employees, shareholders, partners, members, agents, or representatives of any of the foregoing (collectively, the "Released Parties"), substantially in the form attached hereto as Exhibit B (the "Release"), that has become effective in accordance with its terms within sixty (60) days following Executive's termination of employment (the "Release Condition"), and Executive's continued compliance with Sections 6 and 7 hereof.

(g) Upon termination of Executive's employment for any reason, and regardless of whether Executive continues as a consultant to the Company, upon the Company's request Executive agrees to resign, as of the date of such termination of employment or such other date requested, from the Board and any committees thereof, and, if applicable, from the board of directors (and any committees thereof) of any Affiliate of the Company to the extent Executive is then serving thereon. The Company's obligations to make the payments provided for in this Agreement are subject to set-off for any undisputed amounts owed by Executive, to the extent permitted by Section 409A (as defined below) and any Company clawback policy.

(h) The payment of any amounts accrued under any benefit plan, program, or arrangement in which Executive participates shall be subject to the terms of the applicable plan, program, or arrangement, and any elections Executive has made thereunder.

(i) Following any termination of Executive's employment, Executive shall have no obligation to seek other employment or take any other action by way of mitigation of the amounts payable to Executive under any of the provisions of Section 13.1 this Agreement. There shall be no offset against amounts due Executive under this Agreement on account of the Credit Agreement any remuneration attributable to later employment, consultancy, or other remunerative activity of Executive.

6. Entire Confidential Information.

(a) Executive acknowledges that the Company and its Affiliates continually develop Confidential Information (as defined below), that Executive may develop Confidential Information for the Company or its Affiliates and that Executive may learn of

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Confidential Information during the course of Executive's employment. Executive will comply with the policies and procedures of the Company and its Affiliates for protecting Confidential Information and shall not disclose to any Person or use, other than as required by applicable law or for the proper performance of Executive's duties and responsibilities to the Company and its Affiliates, any Confidential Information obtained by Executive incident to Executive's employment or other association with the Company or any of its Affiliates. Executive understands that this restriction shall continue to apply after Executive's employment terminates, regardless of the reason for such termination.

(b) All documents, records, tapes, and other media of every kind and description relating to the business, present or otherwise, of the Company or its Affiliates and any copies, in whole or in part, thereof (the "Documents"), whether or not prepared by Executive, shall be the sole and exclusive property of the Company and its Affiliates. Executive shall safeguard all Documents and shall surrender to the Company at the time Executive's employment terminates, or at such earlier time or times as the Company may specify, all Documents then in Executive's possession or control. Executive shall immediately return such Documents and other property to the Company upon the termination of Executive's employment and, in any event, at the Company's request. Executive further agrees that any property situated on the premises of, and owned by, the Company or its Affiliates, including disks and other storage media, filing cabinets, or other work areas, is subject to inspection by the Company's personnel at any time with or without notice.

(c) Executive understands that, notwithstanding anything to the contrary contained herein, no provision of this Agreement will be interpreted so as to impede Executive (or any other individual) from (i) making any disclosure of relevant and necessary information or documents in any action, investigation, or proceeding relating to this Agreement, or as required by law or legal process, including with respect to possible violations of law, (ii) participating, cooperating, or testifying in any action, investigation, or proceeding with, or providing information to, any governmental agency, legislative body or any self-regulatory organization, including, but not limited to, the Department of Justice, the Securities and Exchange Commission, the Congress, and any agency Inspector General, (iii) accepting any U.S. Securities and Exchange Commission Awards, or (iv) making other disclosures under the whistleblower provisions of federal law or regulation. In addition, nothing in this Agreement or any other agreement or Company policy prohibits or restricts Executive from initiating communications with, or responding to any inquiry from, any administrative, governmental, regulatory or supervisory authority regarding any good faith concerns about possible violations of law or regulation. Executive does not need the prior authorization of the Company to make any such reports or disclosures and Executive will not be not required to notify the Company that such reports or disclosures have been made.

(d) "Confidential Information" means any and all information of the Company and its Affiliates that is not generally known by others with whom they compete or do business, or with whom any of them plans to compete or do business and any and all information, publicly known in whole or in part or not, which, if disclosed by the Company or its Affiliates would assist in competition against them. Confidential Information includes, without limitation, such information relating to (i) the development, research, testing, manufacturing, marketing and financial activities of the Company and its Affiliates, (ii) all products planned, researched, developed, tested, manufactured, sold, licensed, leased or otherwise distributed or put into use by the Company and its Affiliates, together with all services provided or planned by the Company or any of its Affiliates, during Executive's employment, (iii) the costs, sources of supply, financial performance and strategic plans of the Company and its Affiliates, (iv) the identity and special needs of the customers of the Company and its Affiliates and (v) the people and organizations with whom the Company and its Affiliates have business relationships and those relationships. Confidential Information also includes any information that the Company or

any of its Affiliates have received, or may receive hereafter, belonging to customers or others with any understanding, express or implied, that the information would not be disclosed.

7. Restricted Activities. Executive agrees that some restrictions on Executive's activities during and after Executive's employment are necessary to protect the goodwill, Confidential Information, and other legitimate interests of the Company and its Affiliates. Following the Effective Date, the Company will provide Executive with access to and knowledge of Confidential Information and trade secrets and will place Executive in a position of trust and confidence with the Company, and Executive will benefit from the Company's goodwill. The restrictive covenants below are necessary to protect the Company's legitimate business interests in its Confidential Information, trade secrets and goodwill. Executive further understands and acknowledges that the Company's ability to reserve these for the exclusive knowledge and use of the Company is of great competitive importance and commercial value to the Company and that the Company would be irreparably harmed if Executive violates the restrictive covenants below. In recognition of the consideration provided to Executive as well as the imparting to Executive of Confidential Information, including trade secrets, and for other good and valuable consideration, Executive hereby agrees as follows:

(a) While Executive is employed by the Company and for twenty-four (24) months after Executive's employment terminates for any reason, whether before or after the Expiration Date (in the aggregate, the "Non-Competition Period"), Executive shall not, directly or indirectly, whether as owner, partner, investor (other than a passive investor of less than 5% in a publicly traded company), consultant, agent, employee, co-venturer, or otherwise, (i) compete with the business of the Company or any of its subsidiaries in any location where the Company or its subsidiaries conducts business (a "Competitive Business") or (ii) undertake any planning for any Competitive Business. With respect to the portion of the Non-Competition Period that follows Executive's termination of employment, the determination of whether a business is a Competitive Business shall be made based on the scope and location of the businesses conducted or planned to be conducted by the Company and its subsidiaries as of the date of such termination.

(b) Executive agrees that, during Executive's employment with the Company, Executive will not undertake any outside activity, whether or not competitive with the business of the Company or its Affiliates, that would reasonably give rise to a conflict of interest or otherwise interfere with Executive's duties and obligations to the Company or any of its Affiliates.

(c) Executive further agrees that, during the Non-Competition Period, Executive will not solicit, hire, or attempt to solicit or hire any employee of the Company or any of its Affiliates (or any individual who was employed by the Company or any of its Affiliates during the one (1)-year period prior to Executive's termination), assist in such hiring by any Person, encourage any such employee to terminate his or her relationship with the Company or any of its Affiliates, or solicit or encourage any customer, client, or vendor of the Company or any of its Affiliates to terminate or diminish its relationship with them, or, in the case of a customer, to conduct with any Person any business or activity which such customer conducts with the Company or any of its Affiliates.

(d) Executive shall not, whether in writing or orally, malign, denigrate, or disparage the Company or its Affiliates, or their respective predecessors and successors, or any of the current or former directors, officers, employees, shareholders, partners, members, agents, or representatives of any of the foregoing, with respect to any of their respective past or present activities, or otherwise publish (whether in writing or orally) statements that tend to portray any of the aforementioned parties in an unfavorable light. The Company shall direct its directors and officers not to, whether in writing or orally, malign, denigrate, or disparage

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Executive with respect to any of Executive's past or present activities, or otherwise publish (whether in writing or orally) statements that are intended to portray Executive in an unfavorable light.

(e) Executive's and the Company's obligations under this Section 7, as applicable, shall continue beyond the termination of Executive's employment with the Company.

8. Notification Requirement. Through and up to the conclusion of the Non-Competition Period, Executive shall give notice to the Company of each new business activity he plans to undertake, at least seven (7) days prior to beginning any such activity. Such notice shall state the name and address of the Person for whom such activity is undertaken and the nature of Executive's business relationship(s) and position(s) with such Person.

9. Intellectual Property Rights. (a) Executive agrees that the results and proceeds of Executive's services for the Company (including, but not limited to, any trade secrets, products, services, processes, know-how, designs, developments, innovations, analyses, drawings,

reports, techniques, formulas, methods, developmental or experimental work, improvements, discoveries, inventions, ideas, source and object codes, programs, writing and other works of authorship) resulting from services performed while an employee of the Company and any works in progress, whether or not patentable or registrable under copyright or similar statutes, that were made, developed, conceived, or reduced to practice or learned by Executive, either alone or jointly with others (collectively, "Inventions"), shall be works-made-for-hire and the Company shall be deemed the sole owner throughout the universe of any and all trade secret, patent, copyright, and other intellectual property rights (collectively, "Proprietary Rights") of whatsoever nature therein, whether or not now or hereafter known, existing, contemplated, recognized, or developed, with the right to use the same in perpetuity in any manner the Company determines in its sole discretion, without any further payment to Executive whatsoever. If, for any reason, any of such results and proceeds shall not legally be a work-made-for-hire and/or there are any Proprietary Rights which do not accrue to the Company under the immediately preceding sentence, then Executive hereby irrevocably assigns and agrees to assign any and all of Executive's right, title, and interest thereto, including any and all Proprietary Rights of whatsoever nature therein, whether or not now or hereafter known, existing, contemplated, recognized, or developed, to the Company, and the Company shall have the right to use the same in perpetuity throughout the universe in any manner determined by the Company without any further payment to Executive whatsoever. As to any Invention that Executive is required to assign, Executive shall promptly and fully disclose to the Company all information known to Executive concerning such Invention.

(b) Executive agrees that, from time to time, as may be requested by the Company and at the Company's sole cost and expense, Executive shall do any and all things that the Company may reasonably deem useful or desirable to establish or document the Company's exclusive ownership throughout the United States of America or any other country of any and all Proprietary Rights in any such Inventions, including the execution of appropriate copyright and patent applications or assignments. To the extent that Executive has any Proprietary Rights in the Inventions that cannot be assigned in the manner described above, Executive unconditionally and irrevocably waives the enforcement of such Proprietary Rights. This Fifth Section 9(b) is subject to and shall not be deemed to limit, restrict, or constitute any waiver by the Company of any Proprietary Rights of ownership to which the Company may be entitled by operation of law by virtue of the Company's being Executive's employer. Executive shall execute, verify, and deliver such documents and perform such other acts (including appearances as a witness) as the Company may reasonably request for use in applying for, obtaining, perfecting, evidencing, sustaining, and enforcing such Proprietary Rights and the assignment thereof. In addition, Executive shall execute, verify, and deliver assignments of such Proprietary

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Rights to the Company or its designees. Executive's obligations under this Section 9 shall continue beyond the termination of Executive's employment with the Company.

(c) 18 U.S.C. § 1833(b) provides: "An individual shall not be held criminally or civilly liable under any federal or state trade secret law for the disclosure of a trade secret that—(i) is made—(A) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (B) solely for the purpose of reporting or investigating a suspected violation of law; or (ii) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal." Nothing in this Agreement is intended to conflict with 18 U.S.C. § 1833(b) or create liability for disclosures of trade secrets that are expressly allowed by 18 U.S.C. § 1833(b). Accordingly, the parties to this Agreement have the right to disclose in confidence trade secrets to federal, state, and local government officials, or to an attorney, for the sole purpose of reporting or investigating a suspected violation of law. The parties also have the right to disclose trade secrets in a document filed in a lawsuit or other proceeding, but only if the filing is made under seal and protected from public disclosure.

(d) Executive hereby waives and quitclaims to the Company any and all claims, of any nature whatsoever, that Executive now or may hereafter have for infringement of any Proprietary Rights assigned hereunder to the Company.

10. Remedies and Injunctive Relief. Executive acknowledges that a violation by Executive of any of the covenants contained in Sections 6, 7, 8, or 9 would cause irreparable damage to the Company in an amount that would be material but not readily ascertainable, and that any remedy at law (including the payment of damages) would be inadequate. Accordingly, Executive agrees that, notwithstanding any provision of this Agreement to the contrary, the Company shall be entitled (without the necessity of showing economic loss or other actual damage) to injunctive relief (including temporary restraining orders, preliminary injunctions, and permanent injunctions) in any court of competent jurisdiction for any actual or threatened breach of any of the covenants set forth in Sections 6, 7, 8, or 9 in addition to any other legal or equitable remedies it may have. The preceding sentence shall not be construed as a waiver of the rights that the Company may have for damages under this Agreement or otherwise, and all of the Company's rights shall be unrestricted.

11. Representations; Advice of Counsel. **Amendment.** (a) Executive represents, warrants, and covenants that as of the **Credit** date hereof: (i) Executive has the full right, authority, and capacity to enter into this Agreement **(as modified hereby)** and perform Executive's obligations hereunder, (ii) Executive is not bound by any agreement that conflicts with or prevents or restricts the full performance of Executive's duties and obligations to the Company hereunder during or after the Term, and (iii) the execution and delivery of this Agreement shall not result in any breach or violation of, or a default under, any existing obligation, commitment, or agreement to which Executive is subject.

(b) Prior to execution of this Agreement, Executive was advised by the Company of Executive's right to seek independent advice from an attorney of Executive's own selection regarding this Agreement. Executive acknowledges that Executive has entered into this Agreement knowingly and voluntarily and with full knowledge and understanding of the provisions of this Agreement after being given the opportunity to consult with counsel. Executive further represents that in entering into this Agreement, Executive is not relying on any statements or representations made by any of the Company's directors, officers, employees, or agents that are not expressly set forth herein, and that Executive is relying only upon Executive's own judgment and any advice provided by Executive's attorney.

(c) The Company represents, warrants, and covenants that as of the date hereof: (i) the Company has the full right, authority, and capacity to enter into this Agreement and perform the Company's obligations hereunder, (ii) the Company is not bound by

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any agreement that conflicts with or prevents or restricts the full performance of the Company's obligations to Executive hereunder during or after the Term, and (iii) the execution and delivery of this Agreement shall not result in any breach or violation of, or a default under, any existing obligation, commitment, or agreement to which the Company is subject.

12. Cooperation. Executive agrees that, upon reasonable notice and without the necessity of the Company's obtaining a subpoena or court order, Executive shall provide reasonable cooperation in connection with any suit, action, or proceeding (or any appeal from any suit, action, or proceeding), and any investigation or defense of any claims asserted against the Company or its Affiliates, that relates to events occurring during Executive's employment with the Company and its Affiliates as to which Executive may have relevant information (including but not limited to furnishing relevant information and materials to the Company or its designee and providing testimony at depositions and at trial); **provided** that with respect to such cooperation occurring following termination of employment, the Company shall reimburse Executive for expenses reasonably incurred in connection therewith.

13. Withholding. The Company may deduct and withhold from any amounts payable under this Agreement such federal, state, local, non-U.S., and other taxes as are required to be withheld pursuant to any applicable law or regulation.

14. Assignment. Neither the Company nor Executive may make any assignment of this Agreement or any interest herein, by operation of law or otherwise, without the prior written consent of the other party; **provided**, that the Company may assign its rights under this Agreement without the consent of Executive to a successor to substantially all of the business of the Company in the event that the Company shall effect a reorganization, consolidate with or merge into any other corporation, partnership, organization, or other entity, or transfer all or substantially all of its properties or assets to any other corporation, partnership, organization, or other entity. This Agreement shall inure to the benefit of and be binding upon the Company and Executive, and their respective successors, executors, administrators, heirs, and permitted assigns.

15. Governing Law; No Construction Against Drafter. This Agreement shall be deemed made in the State of Delaware, and the validity, interpretation, construction, and performance of this Agreement in all respects shall be governed by the laws of the State of Delaware without regard to its principles of conflicts of law. No provision of this Agreement or any related document will be construed against or interpreted to the disadvantage of any party hereto by any court or other governmental or judicial authority by reason of such party's having or being deemed to have structured or drafted such provision.

16. Consent to Jurisdiction; Waiver of Jury Trial. (a) Except as otherwise specifically provided herein, Executive and the Company each hereby irrevocably submit to the exclusive jurisdiction of the federal courts located within the State of Delaware (or, if subject matter jurisdiction in such courts are not available, in any state court located within the State of Delaware) over any dispute arising out of or relating to this Agreement. Except as otherwise specifically provided in this Agreement, the parties undertake not to commence any suit, action or proceeding arising out of or relating to this Agreement in a forum other than a forum described in this **Section 16(a)**; **provided, however**, that nothing herein shall preclude either

party from bringing any suit, action, or proceeding in any other court for the purpose of enforcing the provisions of this Section 16 or enforcing any judgment obtained by either party.

(b) The agreement of the parties to the forum described in Section 16(a) is independent of the law that may be applied in any suit, action, or proceeding, and the parties agree to such forum even if such forum may under applicable law choose to apply non-forum law. The parties hereby waive, to the fullest extent permitted by applicable law, any

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objection which they now or hereafter have to personal jurisdiction or to the laying of venue of any such suit, action, or proceeding brought in an applicable court described in Section 16(a), and the parties agree that they shall not attempt to deny or defeat such personal jurisdiction by motion or other request for leave from any such court. The parties agree that, to the fullest extent permitted by applicable law, a final and non-appealable judgment in any suit, action, or proceeding brought in any applicable court described in Section 16(a) shall be conclusive and binding upon the parties and may be enforced in any other jurisdiction.

(c) The parties hereto irrevocably consent to the service of any and all process in any suit, action, or proceeding arising out of or relating to this Agreement by the mailing of copies of such process to such party at such party's address specified in Section 20.

(d) Each party hereto hereby waives, to the fullest extent permitted by applicable law, any right it may have to a trial by jury in respect of any suit, action, or proceeding arising out of or relating to this Agreement. Each party hereto (i) certifies that no representative, agent, or attorney of any other party has represented, expressly or otherwise, that such party would not, in the event of any action, suit, or proceeding, seek to enforce the foregoing waiver, and (ii) acknowledges that it and the other Credit Documents constitute party hereto has been induced to enter into this Agreement by, among other things, the mutual waiver and certifications in this Section 16(d).

(e) Each party shall bear his or her or its own costs and expenses (including reasonable attorneys' fees and expenses) incurred in connection with any dispute arising out of or relating to this Agreement.

17. Amendment; No Waiver; Severability. (a) No provisions of this Agreement may be amended, modified, waived, or discharged except by a written document signed by Executive and a duly authorized officer of the Company (other than Executive). The failure of a party to insist upon strict adherence to any term of this Agreement on any occasion shall not be considered a waiver of such party's rights or deprive such party of the right thereafter to insist upon strict adherence to that term or any other term of this Agreement. No failure or delay by either party in exercising any right or power hereunder will operate as a waiver thereof, nor will any single or partial exercise of any such right or power, or any abandonment of any steps to enforce such a right or power, preclude any other or further exercise thereof or the exercise of any other right or power.

(b) If any term or provision of this Agreement is invalid, illegal, or incapable of being enforced by any applicable law or public policy, all other conditions and provisions of this Agreement shall nonetheless remain in full force and effect so long as the economic and legal substance of the transactions contemplated by this Agreement is not affected in any manner materially adverse to any party; provided that in the event that any court of competent jurisdiction shall finally hold in a non-appealable judicial determination that any provision of Sections 6 through 10 (whether in whole or in part) is void or constitutes an unreasonable restriction against Executive, such provision shall not be rendered void but shall be deemed modified to the minimum extent necessary to make such provision enforceable for the longest duration and the greatest scope as such court may determine constitutes a reasonable restriction under the circumstances. Subject to the foregoing, upon such determination that any term or other provision is invalid, illegal, or incapable of being enforced, the parties hereto shall negotiate in good faith to modify this Agreement so as to effect the original intent of the parties as closely as possible in a mutually acceptable manner in order that the transactions contemplated hereby be consummated as originally contemplated to the fullest extent possible.

18. Entire Agreement. This Agreement constitutes the entire agreement among and understanding between the parties Company and Executive with respect to the subject matter hereof and thereof and supersede

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supersedes all other prior agreements and understandings both (whether written or oral), between Executive and verbal, among the Company, relating to such subject matter. None of the parties shall be liable or bound to any other party in any manner by any representations and warranties or covenants relating to such subject matter except as specifically set forth herein.

19. Survival. The rights and obligations of the parties under the provisions of this Agreement shall survive, and remain binding and enforceable, notwithstanding the expiration of the Term, the termination of this Agreement, the termination of Executive's employment hereunder or any settlement of them with respect to the subject matter hereof.

7. GOVERNING LAW. THIS FIFTH AMENDMENT AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HEREUNDER SHALL BE GOVERNED BY, CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF NEW YORK.

8. Severability. Any term or provision of this Fifth Amendment which is invalid or unenforceable in any jurisdiction shall, as to that jurisdiction, be ineffective financial rights and obligations arising from Executive's employment hereunder, to the extent necessary to preserve the intended benefits of such invalidity provisions.

20. Notices. All notices or unenforceability without rendering invalid other communications required or unenforceable permitted to be given hereunder shall be in writing and shall be delivered by hand or sent by facsimile or sent, postage prepaid, by registered, certified, or express mail or overnight courier service and shall be deemed given when so delivered by hand or facsimile, or if mailed, three days after mailing (one (1) business day in the remaining terms case of express mail or overnight courier service) to the parties at the following addresses or facsimiles (or at such other address for a party as shall be specified by like notice):

If to the Company: Vistra Corp.

Attn: Corporate Secretary
6555 Sierra Drive
Irving, TX 75039

If to Executive: At the most recent address on file in the Company's records.

Notices delivered by facsimile shall have the same legal effect as if such notice had been delivered in person.

21. Headings and provisions References. The headings of this Fifth Amendment or affecting the validity or enforceability of any of the terms or provisions Agreement are inserted for convenience only, and neither constitute a part of this Fifth Amendment Agreement nor affect in any other jurisdiction. If any provision way the meaning or interpretation of this Fifth Amendment Agreement. When a reference in this Agreement is so broad as made to be unenforceable, the provision a Section, such reference shall be interpreted to be only so broad as would be enforceable. a Section of this Agreement unless otherwise indicated.

9.22. Counterparts Counterparts. This Fifth Amendment Agreement may be executed in one or more counterparts (and by different parties hereto in different counterparts) (including via electronic image scan (.pdf)), each of which shall be deemed to be an original, but all of which together shall constitute one and the same instrument. Delivery instrument and shall become effective when one or more counterparts have been signed by fax or each of the parties and delivered to the other electronic transmission of an executed counterpart of a signature page to this Fifth parties.

23. Section 409A. Amendment shall be effective as delivery of an original executed counterpart (a) For purposes of this Fifth Agreement, "Amendment Section 409A" means Section 409A of the Code, and the words "execution," "execute," "signed," "signature," Treasury Regulations promulgated thereunder (and such other Treasury or Internal Revenue Service guidance) as in effect from time to time. The parties intend that any amounts payable hereunder that could constitute "deferred compensation" within the meaning of Section 409A will be compliant with Section 409A or exempt from Section 409A.

(b) Notwithstanding anything in this Agreement to the contrary, the following special rule shall apply, if and words of like import in or related to any document to be signed in connection with this Fifth Amendment shall be deemed to include electronic signatures, the electronic matching of assignment terms and contract formations on electronic platforms approved by the Administrative Agent, or the keeping of records in electronic form, each of which shall be of the same legal effect, validity or enforceability as a manually executed signature or the use of a paper based recordkeeping system, as the case may be, to the extent and required by Section 409A, in the event that (i) Executive is deemed to be a "specified employee" within the meaning of Code Section 409A(a)(2)(B) (i) (as determined in accordance with the methodology established by the Company as provided for in any applicable law, including the Federal Electronic Signatures in Global and National Commerce Act, the New York State Electronic Signatures and Records Act, or any other similar state laws based effect on the Uniform Electronic Transactions Act. The Administrative Agent may, in its discretion, require that any such documents and signatures executed electronically or delivered by fax or other electronic transmission be confirmed by a manually-signed original thereof; provided that date of Executive's "separation from service"

(within the failure to request or deliver the same shall not limit the effectiveness of any document or signature executed electronically or delivered by fax or other electronic transmission.

10. Submission to Jurisdiction. Each party hereto irrevocably and unconditionally:

(a) submits for itself and its property in any legal action or proceeding relating to this Fifth Amendment and the other Credit Documents to which it is a party, or for recognition and enforcement of any judgment in respect thereof, to the exclusive general jurisdiction of the courts of the State of New York, the courts of the United States of America for the Southern District of New York and appellate courts from any thereof;

(b) consents that any such action or proceeding may be brought in such courts and waives any objection that it may now or hereafter have to the venue of any such action or proceeding in any such court or that such action or proceeding was brought in an inconvenient court and agrees not to plead or claim the same;

(c) agrees that service of process in any such action or proceeding may be effected by mailing a copy thereof by registered or certified mail (or any substantially similar form of mail), postage prepaid, to such Person at such address of which the Administrative Agent shall have been notified pursuant to Section 13.2 of the Credit Agreement;

(d) agrees that nothing herein shall affect the right to effect service of process in any other manner permitted by law or shall limit the right to sue in any other jurisdiction; meaning

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(e) of Treasury Regulations § 1.409A-1(h)), (ii) amounts or benefits under this Agreement or any other program, plan, or arrangement of the Company or a controlled group affiliate thereof are due or payable on account of separation from service, and (iii) Executive is employed by a public company or a controlled group affiliate thereof: payments hereunder that are "deferred compensation" subject to the last paragraph of Section 13.5 of the Credit Agreement, waives, 409A that would be made to Executive prior to the maximum date that is six (6) months after the date of Executive's separation from service shall be made within ten (10) business days after such six (6)-month date or, if earlier, ten (10) days following the date of Executive's death; following any applicable delay, all such delayed payments, without interest will be paid in a single lump sum on the earliest permissible payment date.

(c) Except to the extent not prohibited by Applicable Law, required to be delayed pursuant to Section 23(b), any right it may have payment or benefit due or payable on account of Executive's separation from service to claim or recover in any legal action or proceeding referred to in which this Section D.10 23(c) applies shall be paid or commence, as applicable, upon the first scheduled payroll date immediately after the date the Release Condition is satisfied (the "Release Effective Date"); provided that, to the extent that such payment or benefit represents a "deferral of compensation" within the meaning of Section 409A and the sixty (60) day period following Executive's separation from service spans two (2) taxable years, payment shall not be made or commence prior to January 1 of the second taxable year. The first such cash payment shall include payment of all amounts that otherwise would have been due prior to the Release Effective Date under the terms of this Agreement applied as though such payments commenced immediately upon Executive's termination of employment, and any special, exemplary, punitive or consequential damages; and

(f) agrees that a final judgment payments made thereafter shall continue as provided herein. The delayed benefits shall in any action or proceeding event expire at the time such benefits would have expired had such benefits commenced immediately following Executive's termination of employment.

(d) Each payment made under this Agreement (including each separate installment payment in the case of a series of installment payments) shall be conclusive and may deemed to be enforced in other jurisdictions by suit on the judgment or in any other manner provided by Applicable Law.

11. Waiver a separate payment for purposes of Jury Trial. EACH PARTY HERETO HEREBY IRREVOCABLY AND UNCONDITIONALLY WAIVES (TO THE EXTENT PERMITTED BY APPLICABLE LAW) TRIAL BY JURY IN ANY LEGAL ACTION OR PROCEEDING RELATING TO THIS FIFTH AMENDMENT AND FOR ANY COUNTERCLAIM THEREIN.

12. Reaffirmation. By executing and delivering a counterpart hereof, (i) each Credit Party hereby agrees that, as of the Fifth Amendment Effective Date and after giving effect to Section 409A. Amounts payable under this Fifth Amendment and the transactions contemplated hereby, all Obligations of the Borrower (including, without limitation, the Revolving Credit Exposure with respect to the 2022-E New Revolving Credit Commitments) Agreement shall be guaranteed

pursuant to the Guarantee in accordance with the terms and provisions thereof and shall be secured pursuant to the Security Documents in accordance with the terms and provisions thereof; (ii) each Credit Party hereby (A) agrees that, notwithstanding the effectiveness of this Fifth Amendment, as of the Fifth Amendment Effective Date and after giving effect thereto, the Security Documents continue deemed not to be in full force and effect, (B) agrees that, as a "deferral of the Fifth Amendment Effective Date and after giving effect compensation" subject to this Fifth Amendment and the transactions contemplated hereby, all of the Liens and security interests created and arising under each Security Document to which it is a party remain in full force and effect on a continuous basis, and the perfected status and priority of each such Lien and security interest continues in full force and effect on a continuous basis, unimpaired, uninterrupted and undischarged, as collateral security for its Obligations under the Credit Documents (as modified hereby) to which it is a party, in each case, Section 409A to the extent provided in the exceptions in Treasury Regulations §§ 1.409A-1(b)(4) ("short-term deferrals") and (b)(9) ("separation pay plans," including the exception under subparagraph (iii)) and other applicable provisions of Section 409A, and shall be paid under any such exception to the maximum extent permitted. For purposes of this Agreement, with respect to payments of any amounts that are considered to be "deferred compensation" subject to the limitations Section 409A, references to "termination of employment," "termination," or words and qualifications set forth in, such Credit Documents (as modified hereby) and (C) affirms and confirms all phrases of its obligations and liabilities under the Credit Agreement and each other Credit Document (as modified hereby) to which it is a party, in each case after giving effect to this Fifth Amendment and the transactions contemplated hereby, including its guarantee of the Obligations and the pledge of and/or grant of a security interest in its assets as Collateral pursuant to the Security Documents (as modified hereby) to which it is a party to secure such Obligations, all as provided in the Security Documents (as modified hereby), and acknowledges and agrees that, as of the Fifth Amendment Effective Date, such obligations, liabilities, guarantee, pledge and grant continue in full force and effect in respect of, and to secure, such Obligations under the Credit Agreement and the other Credit Documents, in each case after giving effect to this Fifth Amendment and the incurrence of the 2022-E Revolving Commitment Increase effected hereby and the other transactions contemplated hereby; and (iii) each Guarantor agrees that nothing in the Credit Agreement, this Fifth Amendment or any other Credit Document similar import, shall be deemed to require refer to Executive's "separation from service" as defined in Section 409A, and shall be interpreted and applied in a manner that is consistent with the consent requirements of such Guarantor to Section 409A. In no event may Executive, directly or indirectly, designate the calendar year of any future amendment payment under this Agreement.

(e) Notwithstanding anything to the Credit Agreement. This Fifth Amendment contrary in this Agreement, any payment or benefit under this Agreement or otherwise that is eligible for exemption from Section 409A pursuant to Treasury Regulation § 1.409A-1(b)(9)(v)(A) or (C) (relating to certain reimbursements and in-kind benefits) shall be paid or provided to Executive only to the extent that the expenses are not incurred, or the benefits are not provided, beyond the last day of the second calendar year following the calendar year in which Executive's "separation from service" occurs; and provided that such expenses are reimbursed no later than the last day of the second calendar year following the calendar year in which Executive's "separation from service" occurs. To the extent that any indemnification payment, expense reimbursement, or provision of any in-kind benefit is determined to be subject to Section 409A (and not exempt pursuant to the prior sentence or otherwise), the amount of any such indemnification payment or expenses eligible for reimbursement, or the provision of any in-kind benefit, in one (1) calendar year shall not extinguish affect the obligations indemnification payment or provision of in-kind benefits or expenses eligible for reimbursement in any other calendar year (except for any lifetime or other aggregate limitation

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applicable to medical expenses to the extent permitted by Section 409A), such indemnification, reimbursement, or in-kind benefits shall be provided for the period set forth in this Agreement, or if no such period is set forth, during Executive's lifetime, in no event shall any indemnification payment or expenses be reimbursed after the last day of the parties outstanding under calendar year following the Security Documents calendar year in which Executive incurred such indemnification payment or discharge, release expenses, and in no event shall any right to indemnification payment or otherwise change reimbursement or the priority provision of any Lien on any Collateral pursuant in-kind benefit be subject to any of the Security Documents. Nothing herein contained shall be construed as a substitution liquidation or novation of the obligations, guarantees and liabilities outstanding under the Security Documents, and it is the intent of the parties hereto to confirm that all of the respective obligations of each of the Borrower and each other Credit Party under the Security Documents to which it is a party shall continue in full force and effect.

13. Miscellaneous. This Fifth Amendment shall constitute a Credit Document exchange for all purposes of the Credit Agreement and the other Credit Documents (in each case, as modified hereby). The provisions of Section B of this Fifth Amendment are deemed incorporated as of the Fifth Amendment Effective Date into the Credit Agreement as if fully set forth therein. Except as specifically modified by this Fifth Amendment, (i) the Credit Agreement and the other Credit Documents shall remain in full force and effect and (ii) the execution, delivery and performance of this Fifth Amendment shall not constitute a waiver of any provision of, or operate as a waiver of any right, power or remedy of any Agent or Lender under, the Credit Agreement or any of the other Credit Documents. another benefit.

[SIGNATURES APPEAR ON THE FOLLOWING PAGES] Signature Page Follows]

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IN WITNESS WHEREOF, each of this Agreement has been duly executed by the undersigned has caused its duly authorized officer to execute and deliver this Fifth Amendment parties as of the date first set forth written above.

CITIBANK, N.A., as Administrative Agent and Collateral Agent

By: /s/ Ashwani Khubani

Name: Ashwani Khubani

Title: Managing Director / Authorized Signatory **VISTRA CORP. AND VISTRA CORPORATE SERVICES COMPANY**

[Signature Page to Fifth Amendment]

SUMITOMO MITSUI BANKING CORPORATION, as a 2022-E New Revolving Loan Lender

By: /s/ Suela Von Barga Carrie L. Kirby

Name: Suela Von Barga

Title: Director Carrie L. Kirby

[Signature Page to Fifth Amendment]

VISTRA OPERATIONS COMPANY LLC, as Borrower

By: /s/ Kristopher E. Moldovan

Name: Kristopher E. Moldovan

Title: Executive Vice President and Chief Financial Administrative Officer

VISTRA INTERMEDIATE COMPANY LLC, as Holdings

KRISTOPHER E. MOLDOVAN

By: /s/ Kristopher E. Moldovan

Name: Kristopher E. Moldovan

Title: Executive Vice President and Chief Financial Officer



AMBIT CALIFORNIA, LLC

AMBIT ENERGY HOLDINGS, LLC

AMBIT HOLDINGS, LLC

AMBIT ILLINOIS, LLC

AMBIT MARKETING, LLC

[Signature Page to Fifth Amendment]

AMBIT MIDWEST, LLC

AMBIT NEW YORK, LLC

AMBIT NORTHEAST, LLC

AMBIT TEXAS, LLC

ANGUS SOLAR, LLC

BELLINGHAM POWER GENERATION LLC

BIG BROWN POWER COMPANY LLC

BIG SKY GAS, LLC

BIG SKY GAS HOLDINGS, LLC

BLACKSTONE POWER GENERATION LLC

BLUENET HOLDINGS, LLC

BRIGHTSIDE SOLAR, LLC

CALUMET ENERGY TEAM, LLC

CASCO BAY ENERGY COMPANY, LLC

COFFEEN AND WESTERN RAILROAD COMPANY

COLETO CREEK ENERGY STORAGE LLC

COLETO CREEK POWER, LLC

COMANCHE PEAK POWER COMPANY LLC

CORE SOLAR SPV I, LLC

CRIUS ENERGY CORPORATION

CRIUS ENERGY, LLC

CRIUS SOLAR FULFILLMENT, LLC

DALLAS POWER & LIGHT COMPANY, INC.

DICKS CREEK POWER COMPANY LLC

DYNEGY COAL HOLDCO, LLC

DYNEGY COAL TRADING & TRANSPORTATION, L.L.C.

DYNEGY CONESVILLE, LLC

DYNEGY ENERGY SERVICES (EAST), LLC

DYNEGY ENERGY SERVICES, LLC

DYNEGY KILLEN, LLC

DYNEGY MARKETING AND TRADE, LLC

DYNEGY MIDWEST GENERATION, LLC

DYNEGY OPERATING COMPANY

DYNEGY POWER MARKETING, LLC

DYNEGY RESOURCES GENERATING HOLDCO, LLC

DYNEGY SOUTH BAY, LLC

DYNEGY STUART, LLC

EMERALD GROVE SOLAR, LLC

ENERGY REWARDS, LLC

ENNIS POWER COMPANY, LLC
EQUIPOWER RESOURCES CORP.
EVERYDAY ENERGY, LLC
EVERYDAY ENERGY NJ, LLC
FAYETTE POWER COMPANY LLC
FOREST GROVE SOLAR LLC
GENERATION SVC COMPANY
HALLMARK SOLAR, LLC
HANGING ROCK POWER COMPANY LLC
HAYS ENERGY, LLC
HOPEWELL POWER GENERATION, LLC
ILLINOIS POWER GENERATING COMPANY
ILLINOIS POWER MARKETING COMPANY
ILLINOIS POWER RESOURCES GENERATING, LLC
ILLINOIS POWER RESOURCES, LLC
ILLINOVA CORPORATION
IPH, LLC
KENDALL POWER COMPANY LLC
KINCAID GENERATION, L.L.C.
LA FRONTERA HOLDINGS, LLC
LAKE ROAD GENERATING COMPANY, LLC
LIBERTY ELECTRIC POWER, LLC
LONE STAR ENERGY COMPANY, INC.
LONE STAR PIPELINE COMPANY, INC.
LUMINANT ADMINISTRATIVE SERVICES COMPANY
LUMINANT COAL GENERATION LLC
LUMINANT COMMERCIAL ASSET MANAGEMENT LLC
LUMINANT ENERGY COMPANY LLC
LUMINANT ENERGY TRADING CALIFORNIA COMPANY
LUMINANT ET SERVICES COMPANY LLC
LUMINANT GAS IMPORTS LLC
LUMINANT GENERATION COMPANY LLC
LUMINANT MINING COMPANY LLC
LUMINANT POWER GENERATION INC.
LUMINANT POWER LLC
MASSPOWER, LLC
MIAMI FORT POWER COMPANY LLC
MIDLOTHIAN ENERGY, LLC
MILFORD POWER COMPANY, LLC
MORRO BAY ENERGY STORAGE 1, LLC
MORRO BAY ENERGY STORAGE 2, LLC
MORRO BAY POWER COMPANY LLC
MOSS LANDING ENERGY STORAGE 1, LLC
MOSS LANDING ENERGY STORAGE 2, LLC
MOSS LANDING ENERGY STORAGE 3, LLC

[Signature Page to Fifth Amendment]

MOSS LANDING ENERGY STORAGE 4, LLC
MOSS LANDING POWER COMPANY LLC
NCA RESOURCES DEVELOPMENT COMPANY LLC
NEPCO SERVICES COMPANY
NORTHEASTERN POWER COMPANY
OAK GROVE MANAGEMENT COMPANY LLC
OAK HILL SOLAR LLC
OAKLAND ENERGY STORAGE 1, LLC
OAKLAND ENERGY STORAGE 2, LLC
OAKLAND ENERGY STORAGE 3, LLC
OAKLAND POWER COMPANY LLC
ONTELAUNEE POWER OPERATING COMPANY, LLC
PLEASANTS ENERGY, LLC
PUBLIC POWER, LLC, Exhibit A CONNECTICUT LIMITED
LIABILITY COMPANY
PUBLIC POWER, LLC, A PENNSYLVANIA LIMITED LIABILITY
COMPANY
PUBLIC POWER & UTILITY OF MARYLAND, LLC
PUBLIC POWER & UTILITY OF NY, INC.
REGIONAL ENERGY HOLDINGS, INC.
RICHLAND-STRYKER GENERATION LLC
SANDOW POWER COMPANY LLC
SAYREVILLE POWER GENERATION LP
SAYREVILLE POWER GP INC.
SAYREVILLE POWER HOLDINGS LLC
SITHE ENERGIES, INC.
SITHE/INDEPENDENCE LLC
SOUTHWESTERN ELECTRIC SERVICE COMPANY, INC.
TEXAS ELECTRIC SERVICE COMPANY, INC.
TEXAS ENERGY INDUSTRIES COMPANY, INC.
TEXAS POWER & LIGHT COMPANY, INC.
TEXAS UTILITIES COMPANY, INC.
TEXAS UTILITIES ELECTRIC COMPANY, INC.
TRIEAGLE 1, LLC
TRIEAGLE 2, LLC
TRIEAGLE ENERGY LP
TRINIDAD POWER STORAGE LLC
TXU ELECTRIC COMPANY, INC.
TXU ENERGY RETAIL COMPANY LLC
TXU RETAIL SERVICES COMPANY
UPTON COUNTY SOLAR 2, LLC
VALUE BASED BRANDS LLC
VIRIDIAN ENERGY, LLC
VIRIDIAN ENERGY NY, LLC
VIRIDIAN ENERGY OHIO LLC

[Signature Page to Fifth Amendment]

VIRIDIAN ENERGY PA LLC
VIRIDIAN INTERNATIONAL MANAGEMENT LLC
VIRIDIAN NETWORK, LLC
VISTRA ASSET COMPANY LLC
VISTRA CORPORATE SERVICES COMPANY
VISTRA EP PROPERTIES COMPANY
VISTRA FINANCE CORP.
VISTRA INSURANCE SOLUTIONS LLC
VISTRA PREFERRED INC.
VISTRA ZERO LLC
VOLT ASSET COMPANY, INC.
WASHINGTON POWER GENERATION, LLC
WISE COUNTY POWER COMPANY, LLC
WISE-FUELS PIPELINE, INC.
ZIMMER POWER COMPANY LLC, as Subsidiary Guarantors

By: /s/ Kristopher E. Moldovan

Name: Kristopher E. Moldovan

Title: Executive Vice President and Chief Financial Officer

[Signature Page to Fifth Amendment]

SCHEDULE I

OIP:	Equity awards to be subject to the terms of the Company's Omnibus Incentive Plan.
One-Time Equity Award	On the Effective Date, Executive will be granted an equity award in the form of RSUs with a value equal to \$1,000,000.
Annual Equity Awards:	Executive will be granted annual equity awards in an amount determined by the Board. Such awards may be in the form of options, restricted stock units, performance shares, or any other form as approved by the Board.
Involuntary Termination Without Cause / Resignation for Good Reason / Non-Renewal of Term by the Company:	Subject to delivery (and non-revocation) of the Release and continued compliance with Sections 6 and 7 of this Agreement, accelerated vesting of the portion of Executive's outstanding equity awards that would have vested in the 12 months following termination had Executive remained employed (fully vested options to remain exercisable for 90 days following termination or, if Executive is subject Section 16 of the Exchange Act as of such Termination, 180 days from the date of such termination (or until the option's regular expiration date, if shorter)).
Termination with Cause / Resignation Without Good Reason / Non-Renewal of the Term by Executive	All options and other outstanding awards (unvested and vested) are forfeited upon a termination for Cause. On any other termination, Executive will retain all vested awards (forfeits unvested), and vested options remain exercisable for 30 days following termination or, if Executive is subject Section 16 of the Exchange Act as of such Termination, 180 days from the date of such termination (or until the option's regular expiration date, if shorter).
Death / Disability	Accelerated vesting of the portion of Executive's equity awards that would have vested in the 12 months following termination had he remained employed (fully vested options to remain exercisable for one year following termination (or until the option's regular expiration date, if shorter)).
Involuntary Termination Without Cause / Resignation for Good Reason / Non-Renewal of Term by the Company Following a Change in Control:	All equity awards that were outstanding at the time of the Change in Control will vest upon such termination.

Exhibit B

Release of Claims

As used in this Release of Claims (this "Release"), the term "claims" will include all claims, covenants, warranties, promises, undertakings, actions, suits, causes of action, proceedings, obligations, debts, accounts, attorneys' fees, judgments, losses, and liabilities, of whatsoever kind or nature, in law, in equity, or otherwise. Capitalized terms used but not defined in this Release will have the meanings given to them in the employment agreement executed on July 20, 2022 and effective as of August 1, 2022, between Vistra Corp., Vistra Corporate Services Company (together, the "Company") and Kristopher E. Moldovan (my "Agreement").

For and in consideration of the severance payments and benefits, and other good and valuable consideration, I, for and on behalf of myself and my executors, heirs, administrators, representatives, and assigns, hereby agree to release and forever discharge the Company and each of its direct and indirect parent and subsidiary entities, and all of their respective predecessors, successors, and past, current, and future parent entities, affiliates, subsidiary entities, investors, directors, shareholders, members, officers, general or limited partners, employees, attorneys, agents, and representatives, and the employee benefit plans in which I am or have been a participant by virtue of my employment with or service to the Company (collectively, the "Company Releasees"), from any and all claims that I have or may have had against the Company Releasees based on any events or circumstances arising or occurring on or prior to the date hereof and arising directly or indirectly out of, relating to, or in any other way involving in any manner whatsoever my employment by or service to the Company or the termination thereof, including without limitation any and all claims arising under federal, state, or local laws relating to employment, including without limitation claims of wrongful discharge, breach of express or implied contract, fraud, misrepresentation, defamation, intentional infliction of emotional distress, whistleblowing, or liability in tort, and claims of any kind that may be brought in any court or administrative agency, and any related claims for attorneys' fees and costs, including, without limitation, claims under Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. Section 2000, et seq.; the Americans with Disabilities Act, as amended, 42 U.S.C. § 12101 et seq.; the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 701 et seq.; the Civil Rights Act of 1866, and the Civil Rights Act of 1991; 42

U.S.C. Section 1981, et seq.; the Age Discrimination in Employment Act, as amended, 29 U.S.C. Section 621, et seq. (the "ADEA"); the Equal Pay Act, as amended, 29 U.S.C. Section 206(d); regulations of the Office of Federal Contract Compliance, 41 C.F.R. Section 60, et seq.; the Family and Medical Leave Act, as amended, 29 U.S.C. § 2601 et seq.; the Fair Labor Standards Act of 1938, as amended, 29 U.S.C. § 201 et seq.; the Employee Retirement Income Security Act, as amended, 29 U.S.C. § 1001 et seq.; and any similar state or local law. I agree further that this Release may be pleaded as a full defense to any action, suit, arbitration, or other proceeding covered by the terms hereof that is or may be initiated, prosecuted, or maintained by me or my descendants, dependents, heirs, executors, administrators, or assigns. By signing this Release, I acknowledge that I intend to waive and release all rights known or unknown that I may have against the Company Releasees under these and any other laws.

I acknowledge and agree that as of the date I execute this Release, I have no knowledge of any facts or circumstances that give rise or could give rise to any claims under any of the laws listed in the preceding paragraph and that I have not filed any claim against any of the Releasees before any local, state, federal, or foreign agency, court, arbitrator, mediator, arbitration or mediation panel, or other body (each individually a "Proceeding"). I (i) acknowledge that I will not initiate or cause to be initiated on my behalf any Proceeding and will not participate in any Proceeding, in each case, except as required by law or to the extent such Proceeding relates to a claim not waived hereunder; and (ii) waive any right that I may have to benefit in any manner

from any relief (whether monetary or otherwise) arising out of any Proceeding, including any Proceeding conducted by the Equal Employment Opportunity Commission ("EEOC"), except in each case to the extent such Proceeding relates to a claim not waived hereunder. Further, I understand that, by executing this Release, I will be limiting the availability of certain remedies that I may have against the Company and limiting also my ability to pursue certain claims against the Company Releasees.

By executing this Release, I specifically release all claims relating to my employment and its termination under ADEA, a federal statute that, among other things, prohibits discrimination on the basis of age in employment and employee benefit plans.

Notwithstanding the generality of the foregoing, I do not release (i) claims to receive my severance payments and benefits in accordance with the terms of the Agreement, (ii) claims with respect to benefits to which I am entitled under the employee benefit and compensation plans of the Company and its affiliates, including any rights to equity, (iii) claims to indemnification, or (iv) claims that cannot be waived by law. Further, nothing in this Release shall prevent me from (i) initiating or causing to be initiated on my behalf any claim against the Company before any local, state, or federal agency, court, or other body challenging the validity of the waiver of my claims under the ADEA (but no other portion of such waiver); or (ii) initiating or participating in an investigation or proceeding conducted by the EEOC.

I acknowledge that I have been given at least [21]/[45] days in which to consider this Release. I acknowledge further that the Company has advised me to consult with an attorney of my choice before signing this Release, and I have had sufficient time to consider the terms of this Release. I represent and acknowledge that if I execute this Release before [21]/[45] days have elapsed, I do so knowingly, voluntarily, and upon the advice and with the approval of my legal counsel (if any), and that I voluntarily waive any remaining consideration period.

I understand that after executing this Release, I have the right to revoke it within seven days after its execution. I understand that this Release will not become effective and enforceable unless the seven-day revocation period passes and I do not revoke the Release in writing. I understand that this Release may not be revoked after the seven (7)-day revocation period has passed. I understand also that any revocation of this Release must be made in writing and delivered to the Company at its principal place of business within the seven (7)-day period.

This Release will become effective, irrevocable, and binding on the eighth day after its execution, so long as I have not timely revoked it as set forth above. I understand and acknowledge that I will not be entitled to the severance payments and benefits unless this Release is effective on or before the date that is sixty (60) days following the date of my termination of employment.

I hereby agree to waive any and all claims to re-employment with the Company or any of its affiliates and affirmatively agree not to seek further employment with the Company or any of its affiliates.

The provisions of this Release will be binding upon my heirs, executors, administrators, legal representatives, and assigns. If any provision of this Release will be held by any court of competent jurisdiction to be illegal, void, or unenforceable, such provision will be of no force or effect. The

illegality or unenforceability of such provision, however, will have no effect upon and will not impair the enforceability of any other provision of this Release.

NTD: To be selected based on whether applicable termination was "in connection with an exit incentive or other employment termination program" (as such phrase is defined in the Age Discrimination in Employment Act of 1967).

This Release will be governed in accordance with the laws of the State of Delaware, without reference to the principles of conflicts of law. Any dispute or claim arising out of or relating to this Release or claim of breach hereof will be brought exclusively in the federal and state courts located within Delaware. By execution of this Release, I am waiving any right to trial by jury in connection with any suit, action, or proceeding under or in connection with this Release.

Kristopher E. Moldovan

DATE

Exhibit 10.17

AMENDED AND RESTATED EMPLOYMENT AGREEMENT

This AMENDED AND RESTATED EMPLOYMENT AGREEMENT (this "Agreement"), dated as of May 5, 2022 (the "Effective Date"), is between Vistra Corp., Vistra Corporate Services Company (together, the "Company"), and Stephanie Zapata Moore ("Executive").

Recitals:

WHEREAS, the Company and Executive previously entered into an employment agreement originally effective as of October 4, 2016 (the "Original Effective Date"); and

WHEREAS, the Company and Executive desire to amend and restate the employment agreement to reflect the terms upon which Executive shall continue to provide services to the Company.

NOW, THEREFORE, in consideration of the premises and covenants contained herein, and intending to be legally bound hereby, the parties to this Agreement hereby agree as follows:

1. Term.

(a) The term of Executive's employment under this Agreement shall be effective as of the Effective Date, and shall continue until the three (3)-year anniversary of the Effective Date (the "Initial Expiration Date"); provided that on the Initial Expiration Date and each subsequent

anniversary of the Initial Expiration Date, the term of Executive's employment under this Agreement shall be extended for one (1) additional year unless either party provides written notice to the other party at least sixty (60) days prior to the Initial Expiration Date (or any such anniversary, as applicable) that Executive's employment shall not be so extended (in which case, Executive's employment shall terminate on the Initial Expiration Date or any such anniversary, as applicable); provided, however, that Executive's employment under this Agreement may be terminated at any earlier time pursuant to the provisions of Section 5. The period of time from the Effective Date through the termination of this Agreement and Executive's employment hereunder pursuant to its terms is herein referred to as the "Term"; and the date on which the Term is scheduled to expire (i.e., the Initial Expiration Date or the scheduled expiration of the extended term, if applicable) is herein referred to as the "Expiration Date."

(b) Executive agrees and acknowledges that the Company has no obligation to extend the Term or to continue Executive's employment following the Expiration Date, and Executive expressly acknowledges that no promises or understandings to the contrary have been made or reached.

2. Definitions. For purposes of this Agreement, the following terms, as used herein, shall have the definitions set forth below.

(a) "Affiliate" means, with respect to any specified Person, any other Person that directly or indirectly, through one or more intermediaries, Controls, is Controlled by, or is under common Control with, such specified Person.

(b) "Change in Control" shall be deemed to occur upon any of the following events:

(i) the acquisition by any Person or related "group" (as such term is used in Sections 13(d) and 14(d) of the U.S. Securities Exchange Act of 1934, as amended, and any successor thereto (the "Exchange Act")) of Beneficial Ownership (as defined in Rule 13d-3 promulgated under Section 13 of the Exchange Act) of 30% or more (on a fully diluted basis) of either (A) the then-outstanding shares of the common stock of the Company (the "Common Stock"), including Common Stock issuable upon the exercise of options or warrants, the conversion of convertible stock or debt, and the exercise of any similar right to acquire such Common Stock (the "Outstanding Company Common Stock"); or (B) the combined voting power of the then-outstanding voting securities of the Company entitled to vote in the election of directors (the "Outstanding Company Voting Securities"); but excluding any acquisition by the Company or any of its Affiliates or by any employee benefit plan sponsored or maintained by the Company or any of its Affiliates;

(ii) a change in the composition of the Board such that members of the Board during any consecutive twelve (12)-month period (the "Incumbent Directors") cease to constitute a majority of the Board. Any person becoming a director through election or nomination for election approved by a valid vote of at least two thirds of the Incumbent Directors shall be deemed an Incumbent Director; provided, however, that no individual becoming a director as a result of an actual or threatened election contest, as such terms are used in Rule 14a-12 of Regulation 14A promulgated under the Exchange Act, or as a result of any other actual or threatened solicitation of proxies or consents by or on behalf of any person other than the Board shall be deemed an Incumbent Director;

(iii) the approval by the shareholders of the Company of a plan of complete dissolution or liquidation of the Company; or

(iv) the consummation of a reorganization, recapitalization, merger, consolidation, statutory share exchange or similar form of corporate transaction involving the Company (a "Business Combination"), or sale, transfer or other disposition of all or substantially all of the business or assets of the Company to an entity that is not an Affiliate of the Company (a "Sale"), unless immediately following such Business Combination or Sale: (A) more than 50% of the total voting power of the entity resulting from such Business Combination or the entity that acquired all or substantially all of the business or assets of the Company in such Sale (in either case, the "Surviving Company"), or the ultimate parent entity that has Beneficial Ownership of sufficient voting power to elect a majority of the board of directors (or analogous governing body) of the Surviving Company (the "Parent Company"), is represented by the Outstanding Company Voting Securities that were outstanding immediately prior to such Business

Combination or Sale (or, if applicable, is represented by shares into which the Outstanding Company Voting Securities were converted pursuant to such Business Combination or Sale), and such voting power among the holders thereof is in substantially the same proportion as the voting power of the Outstanding Company Voting Securities among the holders thereof immediately prior to the Business Combination or Sale, (B) no Person or related group of Persons (other than any employee benefit plan sponsored or maintained by the Surviving Company or the Parent Company) is or becomes the beneficial owner, directly or indirectly, of 50% or more of the total voting power of the outstanding voting securities eligible to elect members of the board of directors (or the analogous governing body) of the Parent Company (or, if there is no Parent Company, the Surviving Company) and (C) at least a majority of the members of the board of directors (or the analogous governing body) of the Parent Company (or, if there is no Parent Company, the Surviving Company) following the consummation of the Business Combination or Sale were Board members at the time of the Board's approval of the execution of the initial agreement providing for such Business Combination or Sale.

(c) **"Cause"** means (i) Executive's willful and continued failure to perform Executive's duties with the Company; (ii) Executive's willful and continued failure to follow and comply with the written policies of the Company as in effect from time to time; (iii) Executive's willful commission of an act of fraud or dishonesty resulting in economic or financial injury to the Company; (iv) Executive's willful engagement in illegal conduct or gross misconduct; (v) Executive's willful breach of this Agreement; or (vi) Executive's indictment for, conviction of, or a plea of guilty or nolo contendere to any felony or other crime involving moral turpitude. No act or failure to act will be treated as willful if it is done, or omitted to be done, by Executive in good faith and with a good faith belief that such act or omission was in the best interests of the Company.

(d) **"Control"** (including, with correlative meanings, the terms **"Controlled by"** and **"under common Control with"**), as used with respect to any Person, means the direct or indirect possession of the power to direct or cause the direction of the management or policies of such Person, whether through the ownership of voting securities or by contract.

(e) **"Disability"** means Executive would be entitled to long-term disability benefits under the Company's long-term disability plan as in effect from time to time, without regard to any waiting or elimination period under such plan and assuming for the purpose of such determination that Executive is actually participating in such plan at such time. If the Company does not maintain a long-term disability plan, **"Disability"** means Executive's inability to perform Executive's duties and responsibilities hereunder on a full-time basis for a consecutive period of one hundred eighty (180) days due to physical or mental illness or incapacity that is determined to be total and permanent by a physician selected by the Company or its insurers and reasonably acceptable to Executive or Executive's legal representative.

(f) **"Good Reason"** means the occurrence, without the consent of Executive, of either of the following events: (i) any material diminution of, or modification to,

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Executive's title, duties, responsibilities, authorities, or terms of employment set forth in [Section 3](#) or (ii) any breach by the Company of any of its material obligations to Executive. Prior to resigning for Good Reason, Executive shall give written notice to the Company of the facts and circumstances claimed to provide a basis for such resignation not more than sixty (60) days following Executive's knowledge of such facts and circumstances, and the Company shall have ten (10) business days after receipt of such notice to cure (and if so cured, Executive shall not be permitted to resign for Good Reason in respect thereof) and Executive shall resign within ten (10) business days following the Company's failure to cure.

(g) **"Person"** means any individual, firm, corporation, partnership, limited liability company, trust, joint venture, association, unincorporated entity, or other entity.

3. Duties and Responsibilities. The Company employs Executive, and Executive accepts employment, subject to the terms and conditions contained herein, during the Term, as the Executive Vice President, General Counsel, and Chief Compliance Officer. During the Term, Executive agrees to be employed by and devote all of Executive's business time and attention to the Company and the promotion of its interests and

to use Executive's best efforts to faithfully and diligently serve the Company; provided, however, that, to the extent that such activities do not significantly interfere with the performance of Executive's duties, services, and responsibilities under this Agreement, Executive shall be permitted to (a) manage Executive's personal, financial, and legal affairs, (b) serve on civic or charitable boards and committees of such boards and (c) to the extent approved by the Board of Directors of the Company (the "Board") pursuant to a duly authorized resolution of the Board, serve on corporate boards and committees of such boards. Executive will report to the Chief Executive Officer. Executive will perform such lawful duties and responsibilities as are commensurate with Executive's title and position, and such other duties and responsibilities commensurate with Executive's title and position as may be reasonably requested by the Chief Executive Officer and the Board from time to time. Executive will have the authority customarily exercised by an individual serving as an Executive Vice President of a corporation of the size and nature of the Company. Executive's place of employment will be in Irving, Texas.

4. Compensation and Related Matters. (a) Base Salary. During the Term, Executive shall receive an aggregate annual base salary ("Base Salary") at an initial rate of \$551,250.00, payable in accordance with the Company's applicable payroll practices. Base Salary shall be reviewed annually by the Board and increased (but not decreased) in the Board's sole discretion. References in this Agreement to Base Salary shall be deemed to refer to the most recently effective annual base salary rate.

(b) Annual Bonus. During the Term, Executive shall be eligible to receive a cash bonus (the "Annual Bonus") for each year (or portion thereof), provided that, except as otherwise provided herein, Executive has remained employed by the Company as of the applicable payment date. Executive's target bonus opportunity for any particular year (the "Target Bonus") shall be 75% of Base Salary, and Executive's maximum bonus opportunity shall be 200% of the Target Bonus. The Annual Bonus shall be subject to performance metrics approved by the Board based on key short-term objectives and shall be at the full discretion of

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the Board. Any Annual Bonus shall be paid in the fiscal year following the fiscal year to which such Annual Bonus relates, at the same as annual bonuses are paid to all other senior executives.

(c) Equity Compensation. Executive shall be entitled to receive equity compensation awards as described in Exhibit A.

(d) Benefits and Perquisites. During the Term, Executive shall be entitled to participate in the benefit plans and programs and receive perquisites that are provided by the Company from time to time for its senior executives generally, subject to the terms and conditions of such plans and programs, as they may be amended from time to time, and commensurate with Executive's position. During the Term, Executive shall be entitled to up to \$15,000 per year for tax and financial planning.

(e) Business Expense Reimbursements. During the Term, the Company shall promptly reimburse Executive for Executive's reasonable and necessary business expenses in accordance with the Company's then-prevailing policies and procedures for expense reimbursement (which shall include appropriate itemization and substantiation of expenses incurred).

(f) Indemnification. The Company shall indemnify and hold harmless Executive, to the fullest extent permitted by law and the Company's governing documents, against all claims, expenses, damages, liabilities, and losses incurred by Executive (whether before or after the Original Effective Date) by reason of the fact that Executive is or was, or had agreed to become, a consultant, director, officer, employee, agent, or fiduciary of the Company or any of its subsidiaries or Affiliates or predecessors of any of the foregoing, or any benefit plan of any of the foregoing, or is or was serving at the request of the Company as a consultant, director, officer, partner, venturer, proprietor, trustee, employee, agent, fiduciary, or similar functionary of another corporation, partnership, joint venture, business, person, trust, employee benefit plan, or other entity. The Company shall provide Executive with customary directors' and officers' liability insurance coverage both during and after the Term with regard to matters occurring during employment or while otherwise providing services to, or serving at the request of, the Company or any of its subsidiaries or Affiliates, or any benefit plan of any of the foregoing, which coverage shall be at a level at least equal to the greatest level being maintained at such time for any current officer or director and shall continue until such time as suits can no longer be brought against Executive as a matter of law. Executive will be entitled to advancement of expenses in connection with any claim in the same manner and to the same extent to which any other officer or director of the Company is entitled. Notwithstanding the foregoing, the Company shall not be required to indemnify or advance expenses to Executive in connection with (i) any dispute in connection with this Agreement or Executive's employment hereunder; (ii) any action, claim, or proceeding initiated by Executive

against the Company unless such action, claim, or proceeding is approved in advance by the Board in writing; or (iii) any liabilities, damages, claims or expenses incurred that are attributable to Executive's fraud, bad faith, willful misconduct, or gross negligence.

5. Termination of Employment. (a) Executive's employment under this Agreement may be terminated by either party at any time and for any reason; provided, however,

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that Executive shall be required to give the Company at least sixty (60) days' advance written notice of any voluntary resignation of Executive's employment hereunder (other than resignation for Good Reason) (and in such event the Company in its sole discretion may elect to accelerate Executive's date of termination of employment, it being understood that such termination shall still be treated as a voluntary resignation without Good Reason for purposes of this Agreement). Notwithstanding the foregoing, Executive's employment shall terminate automatically upon Executive's death.

(b) Following any termination of Executive's employment under this Agreement, except as provided under Sections 5(c), 5(d), and 5(e), the obligations of the Company to pay or provide Executive with compensation and benefits under Section 4 shall cease, and the Company shall have no further obligations to provide compensation or benefits to Executive hereunder, except (i) for payment of any accrued but unpaid Base Salary and any accrued but unused vacation and for payment of any unreimbursed business expenses under Section 4(e), in each case accrued or incurred through the date of termination of employment, payable as soon as practicable and in all events within thirty (30) days following the date of termination of employment, (ii) as explicitly set forth in any other benefit plans, programs, or arrangements applicable to terminated employees in which Executive participates (including, without limitation, equity award agreements), other than severance plans or policies (including severance benefits following a Change in Control), and (iii) as otherwise expressly required by applicable law. For the avoidance of doubt, except as otherwise provided below, any Unpaid Annual Bonus (as defined below) is forfeited if Executive's employment is terminated for any reason.

(c) If Executive's employment under this Agreement is terminated (i) by the Company without Cause (other than due to death or Disability), (ii) by Executive for Good Reason, or (iii) due to expiration of the Term on the Expiration Date as a result of the Company delivering a notice of non-renewal as contemplated by Section 1, in addition to the payments and benefits specified in Section 5(b), Executive shall be entitled to receive: (i) severance pay in an aggregate amount (the "Severance Pay") equal to, two times (2x) the sum of (A) Base Salary plus (B) Target Bonus; (ii) a prorated Annual Bonus in respect of the fiscal year of termination equal to the product of (x) the amount of Annual Bonus that would have been payable to Executive had Executive's employment not so terminated based on actual performance measured through the fiscal year of termination, and (y) a fraction, the numerator of which is the number of days elapsed in the Company's fiscal year in which the termination occurs through such termination and the denominator of which is the number of days in such fiscal year (the "Prorated Bonus"); (iii) any accrued but unpaid Annual Bonus in respect of the fiscal year prior to the fiscal year of termination (the "Unpaid Annual Bonus"); and (iv) continued health insurance benefits under the terms of the applicable Company benefit plans for twenty-four (24) months, subject to Executive's payment of the cost of such benefits to the same extent that active employees of the Company are required to pay for such benefits from time to time; provided, however, that, such continuation coverage shall end earlier upon Executive's becoming eligible for comparable coverage under another employer's benefit plans; and provided, further, that, to the extent that the provision of such continuation coverage is not permitted under the terms of the Company benefit plans or would result in an adverse tax

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consequence to the Company, the Company may alternatively provide Executive with a monthly cash payment in an amount equal to the applicable COBRA premium that Executive would otherwise be required to pay to obtain COBRA continuation coverage for such benefits for twenty-four (24)

months (assuming that COBRA continuation coverage were available for such period) (minus the cost of such benefits to the same extent that active employees of the Company are required to pay for such benefits from time to time) (the "Healthcare Severance Benefits"), commencing as provided in [Section 23\(c\)](#). The Severance Pay shall be paid in equal installments during the twenty-four (24)-month period following Executive's termination in accordance with the Company's regular payroll practices, but no less frequently than monthly, and commencing as provided in [Section 23\(c\)](#) below. The Unpaid Annual Bonus shall be paid on the date bonuses are paid to other executives during the fiscal year of Executive's termination and the Prorated Bonus shall be paid on the date bonuses are paid to other executives of the Company in the year following the fiscal year of Executive's termination.

(d) Notwithstanding anything herein to the contrary, if at any time within eighteen (18) months following a Change in Control, Executive's employment under this Agreement is terminated (i) by the Company without Cause (other than due to death or Disability), (ii) by Executive for Good Reason, or (iii) due to expiration of the Term on the Expiration Date as a result of the Company delivering a notice of non-renewal as contemplated by [Section 1](#), then Executive, in lieu of any of the amounts and benefits described in [Section 5\(c\)](#) and in addition to the payments and benefits specified in [Section 5\(b\)](#), shall be entitled to receive (i) the Unpaid Annual Bonus, (ii) 2.99 times the sum of (A) Base Salary plus (B) Target Bonus (the "CIC Severance Pay"), (iii) the product of (x) the Target Bonus, and (y) a fraction, the numerator of which is the number of days elapsed in the Company's fiscal year in which the termination occurs through such termination and the denominator of which is the number of days in such fiscal year (the "Prorated CIC Bonus"), and (iv) the Healthcare Severance Benefits for twenty-four (24) months (as described above and commencing as provided in [Section 23\(c\)](#)). The CIC Severance Pay and the Prorated CIC Bonus shall be paid in cash in a lump sum on the first payroll following the satisfaction of the Release Condition, subject to [Section 23\(c\)](#); provided, however, if the Change in Control does not constitute a "change in the ownership or effective control of the corporation, or in the ownership of a substantial portion of the assets of the corporation" within the meaning of Section 409A(a)(2)(A)(v) of the Internal Revenue Code of 1986, as amended (the "Code"), the portion of the CIC Severance Pay that is not in excess of the Severance Pay that would have been payable upon such termination if [Section 5\(c\)](#) applied shall be paid to Executive in equal monthly installments during the twenty-four (24)-month period following Executive's termination in accordance with the Company's regular payroll practices, but no less frequently than monthly, and commencing as provided in [Section 23\(c\)](#) below, and the portion of the CIC Severance Pay in excess of such amount shall be paid to Executive in a lump sum sixty (60) days after the consummation of the Change in Control. The Unpaid Annual Bonus shall be paid on the date bonuses are paid to other executives during the fiscal year of Executive's termination.

(e) If Executive's employment under this Agreement is terminated due to death or Disability, in addition to the payments and benefits specified in [Section 5\(b\)](#), Executive shall be entitled to receive (i) the Prorated Bonus, paid on the date bonuses are paid to

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other executives of the Company in the year following the fiscal year of Executive's termination, and (ii) the Unpaid Annual Bonus, paid on the date bonuses are paid to other executives of the Company in the fiscal year of Executive's termination.

(f) Executive's entitlement to the payments and benefits set forth in [Sections 5\(c\)](#) and [5\(d\)](#) shall be conditioned upon Executive's having provided an irrevocable waiver and release of claims in favor of the Company, its Affiliates, their respective predecessors and successors, and all of the respective current or former directors, officers, employees, shareholders, partners, members, agents, or representatives of any of the foregoing (collectively, the "Released Parties"), substantially in the form attached hereto as [Exhibit B](#) (the "Release"), that has become effective in accordance with its terms within sixty (60) days following Executive's termination of employment (the "Release Condition"), and Executive's continued compliance with [Sections 6](#) and [7](#) hereof.

(g) Upon termination of Executive's employment for any reason, and regardless of whether Executive continues as a consultant to the Company, upon the Company's request Executive agrees to resign, as of the date of such termination of employment or such other date requested, from the Board and any committees thereof, and, if applicable, from the board of directors (and any committees thereof) of any Affiliate of the Company to the extent Executive is then serving thereon. The Company's obligations to make the payments provided for in this Agreement are subject to set-off for any undisputed amounts owed by Executive, to the extent permitted by Section 409A (as defined below) and any Company clawback policy.

(h) The payment of any amounts accrued under any benefit plan, program, or arrangement in which Executive participates shall be subject to the terms of the applicable plan, program, or arrangement, and any elections Executive has made thereunder.

(i) Following any termination of Executive's employment, Executive shall have no obligation to seek other employment or take any other action by way of mitigation of the amounts payable to Executive under any of the provisions of this Agreement. There shall be no offset against amounts due Executive under this Agreement on account of any remuneration attributable to later employment, consultancy, or other remunerative activity of Executive.

6. Confidential Information.

(a) Executive acknowledges that the Company and its Affiliates continually develop Confidential Information (as defined below), that Executive may develop Confidential Information for the Company or its Affiliates and that Executive may learn of Confidential Information during the course of Executive's employment. Executive will comply with the policies and procedures of the Company and its Affiliates for protecting Confidential Information and shall not disclose to any Person or use, other than as required by applicable law or for the proper performance of Executive's duties and responsibilities to the Company and its Affiliates, any Confidential Information obtained by Executive incident to Executive's employment or other association with the Company or any of its Affiliates. Executive

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understands that this restriction shall continue to apply after Executive's employment terminates, regardless of the reason for such termination.

(b) All documents, records, tapes, and other media of every kind and description relating to the business, present or otherwise, of the Company or its Affiliates and any copies, in whole or in part, thereof (the "Documents"), whether or not prepared by Executive, shall be the sole and exclusive property of the Company and its Affiliates. Executive shall safeguard all Documents and shall surrender to the Company at the time Executive's employment terminates, or at such earlier time or times as the Company may specify, all Documents then in Executive's possession or control. Executive shall immediately return such Documents and other property to the Company upon the termination of Executive's employment and, in any event, at the Company's request. Executive further agrees that any property situated on the premises of, and owned by, the Company or its Affiliates, including disks and other storage media, filing cabinets, or other work areas, is subject to inspection by the Company's personnel at any time with or without notice.

(c) Executive understands that, notwithstanding anything to the contrary contained herein, no provision of this Agreement will be interpreted so as to impede Executive (or any other individual) from (i) making any disclosure of relevant and necessary information or documents in any action, investigation, or proceeding relating to this Agreement, or as required by law or legal process, including with respect to possible violations of law, (ii) participating, cooperating, or testifying in any action, investigation, or proceeding with, or providing information to, any governmental agency, legislative body or any self-regulatory organization, including, but not limited to, the Department of Justice, the Securities and Exchange Commission, the Congress, and any agency Inspector General, (iii) accepting any U.S. Securities and Exchange Commission Awards, or (iv) making other disclosures under the whistleblower provisions of federal law or regulation. In addition, nothing in this Agreement or any other agreement or Company policy prohibits or restricts Executive from initiating communications with, or responding to any inquiry from, any administrative, governmental, regulatory or supervisory authority regarding any good faith concerns about possible violations of law or regulation. Executive does not need the prior authorization of the Company to make any such reports or disclosures and Executive will not be required to notify the Company that such reports or disclosures have been made.

(d) "Confidential Information" means any and all information of the Company and its Affiliates that is not generally known by others with whom they compete or do business, or with whom any of them plans to compete or do business and any and all information, publicly known in whole or in part or not, which, if disclosed by the Company or its Affiliates would assist in competition against them. Confidential Information includes, without limitation, such information relating to (i) the development, research, testing, manufacturing, marketing and financial activities of the Company and its Affiliates, (ii) all products planned, researched, developed, tested, manufactured, sold, licensed, leased or otherwise distributed or put into use by the Company and its Affiliates, together with all services provided or planned by the Company or any of its Affiliates, during Executive's employment, (iii) the costs, sources of supply, financial performance and strategic plans of the Company and its Affiliates, (iv) the

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identity and special needs of the customers of the Company and its Affiliates and (v) the people and organizations with whom the Company and its Affiliates have business relationships and those relationships. Confidential Information also includes any information that the Company or any of its Affiliates have received, or may receive hereafter, belonging to customers or others with any understanding, express or implied, that the information would not be disclosed.

7. Restricted Activities. Executive agrees that some restrictions on Executive's activities during and after Executive's employment are necessary to protect the goodwill, Confidential Information, and other legitimate interests of the Company and its Affiliates. Following the Effective Date, the Company will provide Executive with access to and knowledge of Confidential Information and trade secrets and will place Executive in a position of trust and confidence with the Company, and Executive will benefit from the Company's goodwill. The restrictive covenants below are necessary to protect the Company's legitimate business interests in its Confidential Information, trade secrets and goodwill. Executive further understands and acknowledges that the Company's ability to reserve these for the exclusive knowledge and use of the Company is of great competitive importance and commercial value to the Company and that the Company would be irreparably harmed if Executive violates the restrictive covenants below. In recognition of the consideration provided to Executive as well as the imparting to Executive of Confidential Information, including trade secrets, and for other good and valuable consideration, Executive hereby agrees as follows:

(a) While Executive is employed by the Company and for twenty-four (24) months after Executive's employment terminates for any reason, whether before or after the Expiration Date (in the aggregate, the "Non-Competition Period"), Executive shall not, directly or indirectly, whether as owner, partner, investor (other than a passive investor of less than 5% in a publicly traded company), consultant, agent, employee, co-venturer, or otherwise, (i) compete with the business of the Company or any of its subsidiaries in any location where the Company or its subsidiaries conducts business (a "Competitive Business") or (ii) undertake any planning for any Competitive Business. With respect to the portion of the Non-Competition Period that follows Executive's termination of employment, the determination of whether a business is a Competitive Business shall be made based on the scope and location of the businesses conducted or planned to be conducted by the Company and its subsidiaries as of the date of such termination.

(b) Executive agrees that, during Executive's employment with the Company, Executive will not undertake any outside activity, whether or not competitive with the business of the Company or its Affiliates, that would reasonably give rise to a conflict of interest or otherwise interfere with Executive's duties and obligations to the Company or any of its Affiliates.

(c) Executive further agrees that, during the Non-Competition Period, Executive will not solicit, hire, or attempt to solicit or hire any employee of the Company or any of its Affiliates (or any individual who was employed by the Company or any of its Affiliates during the one (1)-year period prior to Executive's termination), assist in such hiring by any Person, encourage any such employee to terminate his or her relationship with the

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Company or any of its Affiliates, or solicit or encourage any customer, client, or vendor of the Company or any of its Affiliates to terminate or diminish its relationship with them, or, in the case of a customer, to conduct with any Person any business or activity which such customer conducts with the Company or any of its Affiliates.

(d) Executive shall not, whether in writing or orally, malign, denigrate, or disparage the Company or its Affiliates, or their respective predecessors and successors, or any of the current or former directors, officers, employees, shareholders, partners, members, agents, or representatives of any of the foregoing, with respect to any of their respective past or present activities, or otherwise publish (whether in writing or orally) statements that tend to portray any of the aforementioned parties in an unfavorable light. The Company shall direct its directors and officers not to, whether in writing or orally, malign, denigrate, or disparage Executive with respect to any of Executive's past or present activities, or otherwise publish (whether in writing or orally) statements that are intended to portray Executive in an unfavorable light.

(e) Executive's and the Company's obligations under this Section 7, as applicable, shall continue beyond the termination of Executive's employment with the Company.

8. Notification Requirement. Through and up to the conclusion of the Non-Competition Period, Executive shall give notice to the Company of each new business activity he plans to undertake, at least seven (7) days prior to beginning any such activity. Such notice shall state the name and address of the Person for whom such activity is undertaken and the nature of Executive's business relationship(s) and position(s) with such Person.

9. Intellectual Property Rights. (a) Executive agrees that the results and proceeds of Executive's services for the Company (including, but not limited to, any trade secrets, products, services, processes, know-how, designs, developments, innovations, analyses, drawings, reports, techniques, formulas, methods, developmental or experimental work, improvements, discoveries, inventions, ideas, source and object codes, programs, writing and other works of authorship) resulting from services performed while an employee of the Company and any works in progress, whether or not patentable or registrable under copyright or similar statutes, that were made, developed, conceived, or reduced to practice or learned by Executive, either alone or jointly with others (collectively, "Inventions"), shall be works-made-for-hire and the Company shall be deemed the sole owner throughout the universe of any and all trade secret, patent, copyright, and other intellectual property rights (collectively, "Proprietary Rights") of whatsoever nature therein, whether or not now or hereafter known, existing, contemplated, recognized, or developed, with the right to use the same in perpetuity in any manner the Company determines in its sole discretion, without any further payment to Executive whatsoever. If, for any reason, any of such results and proceeds shall not legally be a work-made-for-hire and/or there are any Proprietary Rights which do not accrue to the Company under the immediately preceding sentence, then Executive hereby irrevocably assigns and agrees to assign any and all of Executive's right, title, and interest thereto, including any and all Proprietary Rights of whatsoever nature therein, whether or not now or hereafter known,

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existing, contemplated, recognized, or developed, to the Company, and the Company shall have the right to use the same in perpetuity throughout the universe in any manner determined by the Company without any further payment to Executive whatsoever. As to any Invention that Executive is required to assign, Executive shall promptly and fully disclose to the Company all information known to Executive concerning such Invention.

(b) Executive agrees that, from time to time, as may be requested by the Company and at the Company's sole cost and expense, Executive shall do any and all things that the Company may reasonably deem useful or desirable to establish or document the Company's exclusive ownership throughout the United States of America or any other country of any and all Proprietary Rights in any such Inventions, including the execution of appropriate copyright and patent applications or assignments. To the extent that Executive has any Proprietary Rights in the Inventions that cannot be assigned in the manner described above, Executive unconditionally and irrevocably waives the enforcement of such Proprietary Rights. This Section 9(b) is subject to and shall not be deemed to limit, restrict, or constitute any waiver by the Company of any Proprietary Rights of ownership to which the Company may be entitled by operation of law by virtue of the Company's being Executive's employer. Executive shall execute, verify, and deliver such documents and perform such other acts (including appearances as a witness) as the Company may reasonably request for use in applying for, obtaining, perfecting, evidencing, sustaining, and enforcing such Proprietary Rights and the assignment thereof. In addition, Executive shall execute, verify, and deliver assignments of such Proprietary Rights to the Company or its designees. Executive's obligations under this Section 9 shall continue beyond the termination of Executive's employment with the Company.

(c) 18 U.S.C. § 1833(b) provides: "An individual shall not be held criminally or civilly liable under any federal or state trade secret law for the disclosure of a trade secret that—(i) is made—(A) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (B) solely for the purpose of reporting or investigating a suspected violation of law; or (ii) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal." Nothing in this Agreement is intended to conflict with 18 U.S.C. § 1833(b) or create liability for disclosures of trade secrets that are expressly allowed by 18 U.S.C. § 1833(b). Accordingly, the parties to this Agreement have the right to disclose in confidence trade secrets to federal, state, and local government officials, or to an attorney, for the sole purpose of reporting or investigating a suspected violation of law. The parties also have the right to disclose trade secrets in a document filed in a lawsuit or other proceeding, but only if the filing is made under seal and protected from public disclosure.

(d) Executive hereby waives and quitclaims to the Company any and all claims, of any nature whatsoever, that Executive now or may hereafter have for infringement of any Proprietary Rights assigned hereunder to the Company.

10. Remedies and Injunctive Relief. Executive acknowledges that a violation by Executive of any of the covenants contained in Sections 6, 7, 8, or 9 would cause irreparable damage to the Company in an amount that would be material but not readily ascertainable, and that any remedy at law (including the payment of damages) would be

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inadequate. Accordingly, Executive agrees that, notwithstanding any provision of this Agreement to the contrary, the Company shall be entitled (without the necessity of showing economic loss or other actual damage) to injunctive relief (including temporary restraining orders, preliminary injunctions, and permanent injunctions) in any court of competent jurisdiction for any actual or threatened breach of any of the covenants set forth in Sections 6, 7, 8, or 9 in addition to any other legal or equitable remedies it may have. The preceding sentence shall not be construed as a waiver of the rights that the Company may have for damages under this Agreement or otherwise, and all of the Company's rights shall be unrestricted.

11. Representations; Advice of Counsel. (a) Executive represents, warrants, and covenants that as of the date hereof: (i) Executive has the full right, authority, and capacity to enter into this Agreement and perform Executive's obligations hereunder, (ii) Executive is not bound by any agreement that conflicts with or prevents or restricts the full performance of Executive's duties and obligations to the Company hereunder during or after the Term, and (iii) the execution and delivery of this Agreement shall not result in any breach or violation of, or a default under, any existing obligation, commitment, or agreement to which Executive is subject.

(b) Prior to execution of this Agreement, Executive was advised by the Company of Executive's right to seek independent advice from an attorney of Executive's own selection regarding this Agreement. Executive acknowledges that Executive has entered into this Agreement knowingly and voluntarily and with full knowledge and understanding of the provisions of this Agreement after being given the opportunity to consult with counsel. Executive further represents that in entering into this Agreement, Executive is not relying on any statements or representations made by any of the Company's directors, officers, employees, or agents that are not expressly set forth herein, and that Executive is relying only upon Executive's own judgment and any advice provided by Executive's attorney.

(c) The Company represents, warrants, and covenants that as of the date hereof: (i) the Company has the full right, authority, and capacity to enter into this Agreement and perform the Company's obligations hereunder, (ii) the Company is not bound by any agreement that conflicts with or prevents or restricts the full performance of the Company's obligations to Executive hereunder during or after the Term, and (iii) the execution and delivery of this Agreement shall not result in any breach or violation of, or a default under, any existing obligation, commitment, or agreement to which the Company is subject.

12. Cooperation. Executive agrees that, upon reasonable notice and without the necessity of the Company's obtaining a subpoena or court order, Executive shall provide reasonable cooperation in connection with any suit, action, or proceeding (or any appeal from any suit, action, or proceeding), and any investigation or defense of any claims asserted against the Company or its Affiliates, that relates to events occurring during Executive's employment with the Company and its Affiliates as to which Executive may have relevant information (including but not limited to furnishing relevant information and materials to the Company or its designee and providing testimony at depositions and at trial); provided that with respect to such cooperation occurring following termination of employment, the Company shall reimburse Executive for expenses reasonably incurred in connection therewith.

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13. Withholding. The Company may deduct and withhold from any amounts payable under this Agreement such federal, state, local, non-U.S., and other taxes as are required to be withheld pursuant to any applicable law or regulation.

14. Assignment. Neither the Company nor Executive may make any assignment of this Agreement or any interest herein, by operation of law or otherwise, without the prior written consent of the other party; provided, that the Company may assign its rights under this Agreement without the consent of Executive to a successor to substantially all of the business of the Company in the event that the Company shall effect a reorganization, consolidate with or merge into any other corporation, partnership, organization, or other entity, or transfer all or substantially all of its properties or assets to any other corporation, partnership, organization, or other entity. This Agreement shall inure to the benefit of and be binding upon the Company and Executive, and their respective successors, executors, administrators, heirs, and permitted assigns.

15. Governing Law; No Construction Against Drafter. This Agreement shall be deemed made in the State of Delaware, and the validity, interpretation, construction, and performance of this Agreement in all respects shall be governed by the laws of the State of Delaware without regard to its principles of conflicts of law. No provision of this Agreement or any related document will be construed against or interpreted to the disadvantage of any party hereto by any court or other governmental or judicial authority by reason of such party's having or being deemed to have structured or drafted such provision.

16. Consent to Jurisdiction; Waiver of Jury Trial. (a) Except as otherwise specifically provided herein, Executive and the Company each hereby irrevocably submit to the exclusive jurisdiction of the federal courts located within the State of Delaware (or, if subject matter jurisdiction in such courts are not available, in any state court located within the State of Delaware) over any dispute arising out of or relating to this Agreement. Except as otherwise specifically provided in this Agreement, the parties undertake not to commence any suit, action or proceeding arising out of or relating to this Agreement in a forum other than a forum described in this Section 16(a); provided, however, that nothing herein shall preclude either party from bringing any suit, action, or proceeding in any other court for the purpose of enforcing the provisions of this Section 16 or enforcing any judgment obtained by either party.

(b) The agreement of the parties to the forum described in Section 16(a) is independent of the law that may be applied in any suit, action, or proceeding, and the parties agree to such forum even if such forum may under applicable law choose to apply non-forum law. The parties hereby waive, to the fullest extent permitted by applicable law, any objection which they now or hereafter have to personal jurisdiction or to the laying of venue of any such suit, action, or proceeding brought in an applicable court described in Section 16(a), and the parties agree that they shall not attempt to deny or defeat such personal jurisdiction by motion or other request for leave from any such court. The parties agree that, to the fullest extent permitted by applicable law, a final and non-appealable judgment in any suit, action, or proceeding brought in any applicable court described in Section 16(a) shall be conclusive and binding upon the parties and may be enforced in any other jurisdiction.

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(c) The parties hereto irrevocably consent to the service of any and all process in any suit, action, or proceeding arising out of or relating to this Agreement by the mailing of copies of such process to such party at such party's address specified in Section 20.

(d) Each party hereto hereby waives, to the fullest extent permitted by applicable law, any right it may have to a trial by jury in respect of any suit, action, or proceeding arising out of or relating to this Agreement. Each party hereto (i) certifies that no representative, agent, or attorney of any other party has represented, expressly or otherwise, that such party would not, in the event of any action, suit, or proceeding, seek to enforce the foregoing waiver, and (ii) acknowledges that it and the other party hereto has been induced to enter into this Agreement by, among other things, the mutual waiver and certifications in this Section 16(d).

(e) Each party shall bear his or her or its own costs and expenses (including reasonable attorneys' fees and expenses) incurred in connection with any dispute arising out of or relating to this Agreement.

17. Amendment; No Waiver; Severability. (a) No provisions of this Agreement may be amended, modified, waived, or discharged except by a written document signed by Executive and a duly authorized officer of the Company (other than Executive). The failure of a party to insist upon strict adherence to any term of this Agreement on any occasion shall not be considered a waiver of such party's rights or deprive such party of the right thereafter to insist upon strict adherence to that term or any other term of this Agreement. No failure or delay by either party in exercising any right or power hereunder will operate as a waiver thereof, nor will any single or partial exercise of any such right or power, or any abandonment of any steps to enforce such a right or power, preclude any other or further exercise thereof or the exercise of any other right or power.

(b) If any term or provision of this Agreement is invalid, illegal, or incapable of being enforced by any applicable law or public policy, all other conditions and provisions of this Agreement shall nonetheless remain in full force and effect so long as the economic and legal substance of the transactions contemplated by this Agreement is not affected in any manner materially adverse to any party; provided that in the event that any court of competent jurisdiction shall finally hold in a non-appealable judicial determination that any provision of Sections 6 through 10 (whether in whole or in part) is void or constitutes an unreasonable restriction against Executive, such provision shall not be rendered void but shall be deemed modified to the minimum extent necessary to make such provision enforceable for the longest duration and the greatest scope as such court may determine constitutes a reasonable restriction under the circumstances. Subject to the foregoing, upon such determination that any term or other provision is invalid, illegal, or incapable of being enforced, the parties hereto shall negotiate in good faith to modify this Agreement so as to effect the original intent of the parties as closely as possible in a mutually acceptable manner in order that the transactions contemplated hereby be consummated as originally contemplated to the fullest extent possible.

18. Entire Agreement. This Agreement constitutes the entire agreement and understanding between the Company and Executive with respect to the subject matter hereof and

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supersedes all prior agreements and understandings (whether written or oral), between Executive and the Company, relating to such subject matter. None of the parties shall be liable or bound to any other party in any manner by any representations and warranties or covenants relating to such subject matter except as specifically set forth herein.

19. Survival. The rights and obligations of the parties under the provisions of this Agreement shall survive, and remain binding and enforceable, notwithstanding the expiration of the Term, the termination of this Agreement, the termination of Executive's employment hereunder or any settlement of the financial rights and obligations arising from Executive's employment hereunder, to the extent necessary to preserve the intended benefits of such provisions.

20. Notices. All notices or other communications required or permitted to be given hereunder shall be in writing and shall be delivered by hand or sent by facsimile or sent, postage prepaid, by registered, certified, or express mail or overnight courier service and shall be deemed given when so delivered by hand or facsimile, or if mailed, three days after mailing (one (1) business day in the case of express mail or overnight courier service) to the parties at the following addresses or facsimiles (or at such other address for a party as shall be specified by like notice):

If to the Company: Vistra Corp.

Attn: Corporate Secretary
6555 Sierra Drive
Irving, TX 75039

If to Executive: At the most recent address on file in the Company's records.

Notices delivered by facsimile shall have the same legal effect as if such notice had been delivered in person.

21. Headings and References. The headings of this Agreement are inserted for convenience only, and neither constitute a part of this Agreement nor affect in any way the meaning or interpretation of this Agreement. When a reference in this Agreement is made to a Section, such reference shall be to a Section of this Agreement unless otherwise indicated.

22. Counterparts. This Agreement may be executed in one or more counterparts (including via electronic image scan (.pdf)), each of which shall be deemed to be an original, but all of which together shall constitute one and the same instrument and shall become effective when one or more counterparts have been signed by each of the parties and delivered to the other parties.

23. Section 409A. (a) For purposes of this Agreement, "Section 409A" means Section 409A of the Code, and the Treasury Regulations promulgated thereunder (and such other Treasury or Internal Revenue Service guidance) as in effect from time to time. The parties intend that any amounts payable hereunder that could constitute "deferred compensation"

within the meaning of Section 409A will be compliant with Section 409A or exempt from Section 409A.

(b) Notwithstanding anything in this Agreement to the contrary, the following special rule shall apply, if and to the extent required by Section 409A, in the event that (i) Executive is deemed to be a “specified employee” within the meaning of Code Section 409A(a)(2)(B)(i) (as determined in accordance with the methodology established by the Company as in effect on the date of Executive’s “separation from service” (within the meaning of Treasury Regulations § 1.409A-1(h)), (ii) amounts or benefits under this Agreement or any other program, plan, or arrangement of the Company or a controlled group affiliate thereof are due or payable on account of separation from service, and (iii) Executive is employed by a public company or a controlled group affiliate thereof: payments hereunder that are “deferred compensation” subject to Section 409A that would be made to Executive prior to the date that is six (6) months after the date of Executive’s separation from service shall be made within ten (10) business days after such six (6)-month date or, if earlier, ten (10) days following the date of Executive’s death; following any applicable delay, all such delayed payments, without interest will be paid in a single lump sum on the earliest permissible payment date.

(c) Except to the extent required to be delayed pursuant to Section 23(b), any payment or benefit due or payable on account of Executive’s separation from service to which this Section 23(c) applies shall be paid or commence, as applicable, upon the first scheduled payroll date immediately after the date the Release Condition is satisfied (the “Release Effective Date”); provided that, to the extent that such payment or benefit represents a “deferral of compensation” within the meaning of Section 409A and the sixty (60) day period following Executive’s separation from service spans two (2) taxable years, payment shall not be made or commence prior to January 1 of the second taxable year. The first such cash payment shall include payment of all amounts that otherwise would have been due prior to the Release Effective Date under the terms of this Agreement applied as though such payments commenced immediately upon Executive’s termination of employment, and any payments made thereafter shall continue as provided herein. The delayed benefits shall in any event expire at the time such benefits would have expired had such benefits commenced immediately following Executive’s termination of employment.

(d) Each payment made under this Agreement (including each separate installment payment in the case of a series of installment payments) shall be deemed to be a separate payment for purposes of Section 409A. Amounts payable under this Agreement shall be deemed not to be a “deferral of compensation” subject to Section 409A to the extent provided in the exceptions in Treasury Regulations §§ 1.409A-1(b)(4) (“short-term deferrals”) and (b)(9) (“separation pay plans,” including the exception under subparagraph (iii)) and other applicable provisions of Section 409A, and shall be paid under any such exception to the maximum extent permitted. For purposes of this Agreement, with respect to payments of any amounts that are considered to be “deferred compensation” subject to Section 409A, references to “termination of employment,” “termination,” or words and phrases of similar import, shall be deemed to refer to Executive’s “separation from service” as defined in Section 409A, and shall be interpreted and applied in a manner that is consistent with the requirements of Section 409A.

In no event may Executive, directly or indirectly, designate the calendar year of any payment under this Agreement.

(e) Notwithstanding anything to the contrary in this Agreement, any payment or benefit under this Agreement or otherwise that is eligible for exemption from Section 409A pursuant to Treasury Regulation § 1.409A-1(b)(9)(v)(A) or (C) (relating to certain reimbursements and in-kind benefits) shall be paid or provided to Executive only to the extent that the expenses are not incurred, or the benefits are not provided, beyond the last day of the second calendar year following the calendar year in which Executive’s “separation from service” occurs; and provided that such expenses are reimbursed no later than the last day of the second calendar year following the calendar year in which Executive’s “separation from service” occurs. To the extent that any indemnification payment, expense reimbursement, or provision of any in-kind benefit is determined to be

subject to Section 409A (and not exempt pursuant to the prior sentence or otherwise), the amount of any such indemnification payment or expenses eligible for reimbursement, or the provision of any in-kind benefit, in one (1) calendar year shall not affect the indemnification payment or provision of in-kind benefits or expenses eligible for reimbursement in any other calendar year (except for any lifetime or other aggregate limitation applicable to medical expenses to the extent permitted by Section 409A), such indemnification, reimbursement, or in-kind benefits shall be provided for the period set forth in this Agreement, or if no such period is set forth, during Executive's lifetime, in no event shall any indemnification payment or expenses be reimbursed after the last day of the calendar year following the calendar year in which Executive incurred such indemnification payment or expenses, and in no event shall any right to indemnification payment or reimbursement or the provision of any in-kind benefit be subject to liquidation or exchange for another benefit.

[Signature Page Follows]

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IN WITNESS WHEREOF, this Agreement has been duly executed by the parties as of the date first written above.

Vistra Corp. and Vistra Corporate Services Company

By: /s/ Carrie Lee Kirby

Name: Carrie Lee Kirby

Title: Executive Vice President and Chief Administrative Officer

STEPHANIE ZAPATA MOORE

/s/ Stephanie Zapata Moore

Exhibit A

2022-E New Revolving Loan Lender OIP:	Type Equity awards to be subject to the terms of Commitment	Amount the Company's Omnibus Incentive Plan.
Sumitomo Mitsui Banking Corporation Annual Equity Awards:	2022-E New Revolving Credit Commitment	\$100,000,000.00 Executive will be granted annual equity awards in an amount determined by the Board. Such awards may be in the form of options, restricted stock units, performance shares, or any other form as approved by the Board.
TOTAL: Involuntary Termination Without Cause / Resignation for Good Reason / Non-Renewal of Term by the Company:	N/A Subject to delivery (and non-revocation) of the Release and continued compliance with Sections 6 and 7 of this Agreement, accelerated vesting of the portion of Executive's outstanding equity awards that would have vested in the 12 months following termination had Executive remained employed (fully vested options to remain exercisable for 90 days following termination or, if Executive is subject Section 16 of the Exchange Act as of such Termination, 180 days from the date of such termination (or until the option's regular expiration date, if shorter)).	
Termination with Cause / Resignation Without Good Reason / Non-Renewal of the Term by Executive	\$100,000,000.00 All options and other outstanding awards (unvested and vested) are forfeited upon a termination for Cause. On any other termination, Executive will retain all vested awards (forfeits unvested), and vested options remain exercisable for 30 days following termination or, if Executive is subject Section 16 of the Exchange Act as of such Termination, 180 days from the date of such termination (or until the option's regular expiration date, if shorter).	
Death / Disability	Accelerated vesting of the portion of Executive's equity awards that would have vested in the 12 months following termination had he remained employed (fully vested options to remain exercisable for one year following termination (or until the option's regular expiration date, if shorter)).	
Involuntary Termination Without Cause / Resignation for Good Reason / Non-Renewal of Term by the Company Following a Change in Control:	All equity awards that were outstanding at the time of the Change in Control will vest upon such termination.	

Exhibit B

Release of Claims

As used in this Release of Claims (this "Release"), the term "claims" will include all claims, covenants, warranties, promises, undertakings, actions, suits, causes of action, proceedings, obligations, debts, accounts, attorneys' fees, judgments, losses, and liabilities, of whatsoever kind or nature, in law, in equity, or otherwise. Capitalized terms used but not defined in this Release will have the meanings given to them in the employment agreement dated May 5, 2022, between Vistra Corp., Vistra Corporate Services Company (together, the "Company") and Stephanie Zapata Moore (my "Agreement").

For and in consideration of the severance payments and benefits, and other good and valuable consideration, I, for and on behalf of myself and my executors, heirs, administrators, representatives, and assigns, hereby agree to release and forever discharge the Company and each of its direct

and indirect parent and subsidiary entities, and all of their respective predecessors, successors, and past, current, and future parent entities, affiliates, subsidiary entities, investors, directors, shareholders, members, officers, general or limited partners, employees, attorneys, agents, and representatives, and the employee benefit plans in which I am or have been a participant by virtue of my employment with or service to the Company (collectively, the "Company Releasees"), from any and all claims that I have or may have had against the Company Releasees based on any events or circumstances arising or occurring on or prior to the date hereof and arising directly or indirectly out of, relating to, or in any other way involving in any manner whatsoever my employment by or service to the Company or the termination thereof, including without limitation any and all claims arising under federal, state, or local laws relating to employment, including without limitation claims of wrongful discharge, breach of express or implied contract, fraud, misrepresentation, defamation, intentional infliction of emotional distress, whistleblowing, or liability in tort, and claims of any kind that may be brought in any court or administrative agency, and any related claims for attorneys' fees and costs, including, without limitation, claims under Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. Section 2000, et seq.; the Americans with Disabilities Act, as amended, 42 U.S.C. § 12101 et seq.; the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 701 et seq.; the Civil Rights Act of 1866, and the Civil Rights Act of 1991; 42 U.S.C. Section 1981, et seq.; the Age Discrimination in Employment Act, as amended, 29 U.S.C. Section 621, et seq. (the "ADEA"); the Equal Pay Act, as amended, 29 U.S.C. Section 206(d); regulations of the Office of Federal Contract Compliance, 41 C.F.R. Section 60, et seq.; the Family and Medical Leave Act, as amended, 29 U.S.C. § 2601 et seq.; the Fair Labor Standards Act of 1938, as amended, 29 U.S.C. § 201 et seq.; the Employee Retirement Income Security Act, as amended, 29 U.S.C. § 1001 et seq.; and any similar state or local law. I agree further that this Release may be pleaded as a full defense to any action, suit, arbitration, or other proceeding covered by the terms hereof that is or may be initiated, prosecuted, or maintained by me or my descendants, dependents, heirs, executors, administrators, or assigns. By signing this Release, I acknowledge that I intend to waive and release all rights known or unknown that I may have against the Company Releasees under these and any other laws.

I acknowledge and agree that as of the date I execute this Release, I have no knowledge of any facts or circumstances that give rise or could give rise to any claims under any of the laws listed in the preceding paragraph and that I have not filed any claim against any of the Releasees before any local, state, federal, or foreign agency, court, arbitrator, mediator, arbitration or mediation panel, or other body, but excluding claims, reports, disclosures, or complaints brought to any government agencies, (each individually a "Proceeding"). I acknowledge that I will not initiate or cause to be initiated on my behalf any Proceeding and will not participate in any Proceeding, in each case, except as required by law or to the extent such Proceeding relates to a

claim not waived hereunder. Further, I understand that, by executing this Release, I will be limiting the availability of certain remedies that I may have against the Company and limiting also my ability to pursue certain claims against the Company Releasees, provided, however, that I understand this Agreement does not limit my right to receive an award for information provided to any governmental agencies that I may be entitled to recover pursuant to whistleblower laws, rules or regulations, including but not limited to Securities and Exchange Commission ("SEC") Rule 21F-17. For the avoidance of doubt, I understand that I am not required to disclose any claims, reports, disclosures, or complaints to government agencies (such as the SEC) to the Company.

By executing this Release, I specifically release all claims relating to my employment and its termination under ADEA, a federal statute that, among other things, prohibits discrimination on the basis of age in employment and employee benefit plans.

Notwithstanding the generality of the foregoing, I do not release (i) claims to receive my severance payments and benefits in accordance with the terms of the Agreement, (ii) claims with respect to benefits to which I am entitled under the employee benefit and compensation plans of the Company and its affiliates, including any rights to equity, (iii) claims to indemnification, or (iv) claims that cannot be waived by law. Further, nothing in this Release shall prevent me from (i) initiating or causing to be initiated on my behalf any claim against the Company before any local, state, or federal agency, court, or other body challenging the validity of the waiver of my claims under the ADEA (but no other portion of such waiver); (ii) initiating or participating in an investigation or proceeding conducted by the EEOC; or (iii) reporting possible violations of federal, states, or local law or regulation to any governmental agency (including but not limited to the Department of Justice and the SEC), or making other disclosures to, communicating directly with, responding to an inquiry from, or providing testimony before such governmental agency, regarding possible violations of federal, state, or local law or regulation, without prior notice to the Company.

I acknowledge that I have been given at least [21]/[45] days in which to consider this Release. I acknowledge further that the Company has advised me to consult with an attorney of my choice before signing this Release, and I have had sufficient time to consider the terms of this Release. I

represent and acknowledge that if I execute this Release before [21]/[45] days have elapsed, I do so knowingly, voluntarily, and upon the advice and with the approval of my legal counsel (if any), and that I voluntarily waive any remaining consideration period.

I understand that after executing this Release, I have the right to revoke it within seven days after its execution. I understand that this Release will not become effective and enforceable unless the seven-day revocation period passes and I do not revoke the Release in writing. I understand that this Release may not be revoked after the seven (7)-day revocation period has passed. I understand also that any revocation of this Release must be made in writing and delivered to the Company at its principal place of business within the seven (7)-day period.

This Release will become effective, irrevocable, and binding on the eighth day after its execution, so long as I have not timely revoked it as set forth above. I understand and acknowledge that I will not be entitled to the severance payments and benefits unless this Release is effective on or before the date that is sixty (60) days following the date of my termination of employment.

NTD: To be selected based on whether applicable termination was "in connection with an exit incentive or other employment termination program" (as such phrase is defined in the Age Discrimination in Employment Act of 1967).

I hereby agree to waive any and all claims to re-employment with the Company or any of its affiliates and affirmatively agree not to seek further employment with the Company or any of its affiliates.

The provisions of this Release will be binding upon my heirs, executors, administrators, legal representatives, and assigns. If any provision of this Release will be held by any court of competent jurisdiction to be illegal, void, or unenforceable, such provision will be of no force or effect. The illegality or unenforceability of such provision, however, will have no effect upon and will not impair the enforceability of any other provision of this Release.

This Release will be governed in accordance with the laws of the State of Delaware, without reference to the principles of conflicts of law. Any dispute or claim arising out of or relating to this Release or claim of breach hereof will be brought exclusively in the federal and state courts located within Delaware. By execution of this Release, I am waiving any right to trial by jury in connection with any suit, action, or proceeding under or in connection with this Release.

Stephanie Zapata Moore

DATE

Exhibit 10.18

AMENDED AND RESTATED EMPLOYMENT AGREEMENT

This AMENDED AND RESTATED EMPLOYMENT AGREEMENT (this “Agreement”), dated as of May 5, 2022 (the “Effective Date”), is between Vistra Corp., Vistra Corporate Services Company (together, the “Company”), and Carrie Lee Kirby (“Executive”).

Recitals:

WHEREAS, the Company and Executive previously entered into an employment agreement originally effective as of October 4, 2016 (the “Original Effective Date”); and

WHEREAS, the Company and Executive desire to amend and restate the employment agreement to reflect the terms upon which Executive shall continue to provide services to the Company.

NOW, THEREFORE, in consideration of the premises and covenants contained herein, and intending to be legally bound hereby, the parties to this Agreement hereby agree as follows:

1. Term.

(a) The term of Executive’s employment under this Agreement shall be effective as of the Effective Date, and shall continue until the three (3)-year anniversary of the Effective Date (the “Initial Expiration Date”); provided that on the Initial Expiration Date and each subsequent anniversary of the Initial Expiration Date, the term of Executive’s employment under this Agreement shall be extended for one (1) additional year unless either party provides written notice to the other party at least sixty (60) days prior to the Initial Expiration Date (or any such anniversary, as applicable) that Executive’s employment shall not be so extended (in which case, Executive’s employment shall terminate on the Initial Expiration Date or any such anniversary, as applicable); provided, however, that Executive’s employment under this Agreement may be terminated at any earlier time pursuant to the provisions of Section 5. The period of time from the Effective Date through the termination of this Agreement and Executive’s employment hereunder pursuant to its terms is herein referred to as the “Term”; and the date on which the Term is scheduled to expire (i.e., the Initial Expiration Date or the scheduled expiration of the extended term, if applicable) is herein referred to as the “Expiration Date.”

(b) Executive agrees and acknowledges that the Company has no obligation to extend the Term or to continue Executive’s employment following the Expiration Date, and Executive expressly acknowledges that no promises or understandings to the contrary have been made or reached.

2. Definitions. For purposes of this Agreement, the following terms, as used herein, shall have the definitions set forth below.

(a) “Affiliate” means, with respect to any specified Person, any other Person that directly or indirectly, through one or more intermediaries, Controls, is Controlled by, or is under common Control with, such specified Person.

(b) “Change in Control” shall be deemed to occur upon any of the following events:

(i) the acquisition by any Person or related “group” (as such term is used in Sections 13(d) and 14(d) of the U.S. Securities Exchange Act of 1934, as amended, and any successor thereto (the “Exchange Act”)) of Beneficial Ownership (as defined in Rule 13d-3 promulgated under Section 13 of the Exchange Act) of 30% or more (on a fully diluted basis) of either (A) the then-outstanding shares of the common stock of the Company (the “Common Stock”), including Common Stock issuable upon the exercise of options or warrants, the conversion of convertible stock or debt, and the exercise of any similar right to acquire such Common Stock (the “Outstanding Company Common Stock”); or (B) the combined voting power of the then-outstanding voting securities of the Company entitled to vote in the election of directors (the “Outstanding Company Voting Securities”); but excluding any acquisition by the Company or any of its Affiliates or by any employee benefit plan sponsored or maintained by the Company or any of its Affiliates;

(ii) a change in the composition of the Board such that members of the Board during any consecutive twelve (12)-month period (the “Incumbent Directors”) cease to constitute a majority of the Board. Any person becoming a director through election or nomination for election approved by a valid vote of at least two thirds of the Incumbent Directors shall be deemed an Incumbent Director; provided, however,

that no individual becoming a director as a result of an actual or threatened election contest, as such terms are used in Rule 14a-12 of Regulation 14A promulgated under the Exchange Act, or as a result of any other actual or threatened solicitation of proxies or consents by or on behalf of any person other than the Board shall be deemed an Incumbent Director;

(iii) the approval by the shareholders of the Company of a plan of complete dissolution or liquidation of the Company; or

(iv) the consummation of a reorganization, recapitalization, merger, consolidation, statutory share exchange or similar form of corporate transaction involving the Company (a "Business Combination"), or sale, transfer or other disposition of all or substantially all of the business or assets of the Company to an entity that is not an Affiliate of the Company (a "Sale"), unless immediately following such Business Combination or Sale: (A) more than 50% of the total voting power of the entity resulting from such Business Combination or the entity that acquired all or substantially all of the business or assets of the Company in such Sale (in either case, the "Surviving Company"), or the ultimate parent entity that has Beneficial Ownership of sufficient voting power to elect a majority of the board of directors (or analogous governing body) of the Surviving Company (the "Parent Company"), is represented by the Outstanding Company Voting Securities that were outstanding immediately prior to such Business

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Combination or Sale (or, if applicable, is represented by shares into which the Outstanding Company Voting Securities were converted pursuant to such Business Combination or Sale), and such voting power among the holders thereof is in substantially the same proportion as the voting power of the Outstanding Company Voting Securities among the holders thereof immediately prior to the Business Combination or Sale, (B) no Person or related group of Persons (other than any employee benefit plan sponsored or maintained by the Surviving Company or the Parent Company) is or becomes the beneficial owner, directly or indirectly, of 50% or more of the total voting power of the outstanding voting securities eligible to elect members of the board of directors (or the analogous governing body) of the Parent Company (or, if there is no Parent Company, the Surviving Company) and (C) at least a majority of the members of the board of directors (or the analogous governing body) of the Parent Company (or, if there is no Parent Company, the Surviving Company) following the consummation of the Business Combination or Sale were Board members at the time of the Board's approval of the execution of the initial agreement providing for such Business Combination or Sale.

(c) "Cause" means (i) Executive's willful and continued failure to perform Executive's duties with the Company; (ii) Executive's willful and continued failure to follow and comply with the written policies of the Company as in effect from time to time; (iii) Executive's willful commission of an act of fraud or dishonesty resulting in economic or financial injury to the Company; (iv) Executive's willful engagement in illegal conduct or gross misconduct; (v) Executive's willful breach of this Agreement; or (vi) Executive's indictment for, conviction of, or a plea of guilty or nolo contendere to any felony or other crime involving moral turpitude. No act or failure to act will be treated as willful if it is done, or omitted to be done, by Executive in good faith and with a good faith belief that such act or omission was in the best interests of the Company.

(d) "Control" (including, with correlative meanings, the terms "Controlled by" and "under common Control with"), as used with respect to any Person, means the direct or indirect possession of the power to direct or cause the direction of the management or policies of such Person, whether through the ownership of voting securities or by contract.

(e) "Disability" means Executive would be entitled to long-term disability benefits under the Company's long-term disability plan as in effect from time to time, without regard to any waiting or elimination period under such plan and assuming for the purpose of such determination that Executive is actually participating in such plan at such time. If the Company does not maintain a long-term disability plan, "Disability" means Executive's inability to perform Executive's duties and responsibilities hereunder on a full-time basis for a consecutive period of one hundred eighty (180) days due to physical or mental illness or incapacity that is determined to be total and permanent by a physician selected by the Company or its insurers and reasonably acceptable to Executive or Executive's legal representative.

(f) "Good Reason" means the occurrence, without the consent of Executive, of either of the following events: (i) any material diminution of, or modification to,

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Executive's title, duties, responsibilities, authorities, or terms of employment set forth in Section 3 or (ii) any breach by the Company of any of its material obligations to Executive. Prior to resigning for Good Reason, Executive shall give written notice to the Company of the facts and circumstances claimed to provide a basis for such resignation not more than sixty (60) days following Executive's knowledge of such facts and circumstances, and the Company shall have ten (10) business days after receipt of such notice to cure (and if so cured, Executive shall not be permitted to resign for Good Reason in respect thereof) and Executive shall resign within ten (10) business days following the Company's failure to cure.

(g) "Person" means any individual, firm, corporation, partnership, limited liability company, trust, joint venture, association, unincorporated entity, or other entity.

3. Duties and Responsibilities. The Company employs Executive, and Executive accepts employment, subject to the terms and conditions contained herein, during the Term, as the Executive Vice President and Chief Administrative Officer. During the Term, Executive agrees to be employed by and devote all of Executive's business time and attention to the Company and the promotion of its interests and to use Executive's best efforts to faithfully and diligently serve the Company; provided, however, that, to the extent that such activities do not significantly interfere with the performance of Executive's duties, services, and responsibilities under this Agreement, Executive shall be permitted to (a) manage Executive's personal, financial, and legal affairs, (b) serve on civic or charitable boards and committees of such boards and (c) to the extent approved by the Board of Directors of the Company (the "Board") pursuant to a duly authorized resolution of the Board, serve on corporate boards and committees of such boards. Executive will report to the Chief Executive Officer. Executive will perform such lawful duties and responsibilities as are commensurate with Executive's title and position, and such other duties and responsibilities commensurate with Executive's title and position as may be reasonably requested by the Chief Executive Officer and the Board from time to time. Executive will have the authority customarily exercised by an individual serving as an Executive Vice President of a corporation of the size and nature of the Company. Executive's place of employment will be in Irving, Texas.

4. Compensation and Related Matters. (a) Base Salary. During the Term, Executive shall receive an aggregate annual base salary ("Base Salary") at an initial rate of \$519,750.00, payable in accordance with the Company's applicable payroll practices. Base Salary shall be reviewed annually by the Board and increased (but not decreased) in the Board's sole discretion. References in this Agreement to Base Salary shall be deemed to refer to the most recently effective annual base salary rate.

(b) Annual Bonus. During the Term, Executive shall be eligible to receive a cash bonus (the "Annual Bonus") for each year (or portion thereof), provided that, except as otherwise provided herein, Executive has remained employed by the Company as of the applicable payment date. Executive's target bonus opportunity for any particular year (the "Target Bonus") shall be 75% of Base Salary, and Executive's maximum bonus opportunity shall be 200% of the Target Bonus. The Annual Bonus shall be subject to performance metrics approved by the Board based on key short-term objectives and shall be at the full discretion of

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the Board. Any Annual Bonus shall be paid in the fiscal year following the fiscal year to which such Annual Bonus relates, at the same as annual bonuses are paid to all other senior executives.

(c) Equity Compensation. Executive shall be entitled to receive equity compensation awards as described in Exhibit A.

(d) Benefits and Perquisites. During the Term, Executive shall be entitled to participate in the benefit plans and programs and receive perquisites that are provided by the Company from time to time for its senior executives generally, subject to the terms and conditions of such plans and programs, as they may be amended from time to time, and commensurate with Executive's position. During the Term, Executive shall be entitled to up to \$15,000 per year for tax and financial planning.

(e) Business Expense Reimbursements. During the Term, the Company shall promptly reimburse Executive for Executive's reasonable and necessary business expenses in accordance with the Company's then-prevailing policies and procedures for expense reimbursement (which shall include appropriate itemization and substantiation of expenses incurred).

(f) Indemnification. The Company shall indemnify and hold harmless Executive, to the fullest extent permitted by law and the Company's governing documents, against all claims, expenses, damages, liabilities, and losses incurred by Executive (whether before or after the Original Effective Date) by reason of the fact that Executive is or was, or had agreed to become, a consultant, director, officer, employee, agent, or fiduciary of the Company or any of its subsidiaries or Affiliates or predecessors of any of the foregoing, or any benefit plan of any of the foregoing, or is or was serving at the request of the Company as a consultant, director, officer, partner, venturer, proprietor, trustee, employee, agent, fiduciary, or similar functionary of another corporation, partnership, joint venture, business, person, trust, employee benefit plan, or other entity. The Company shall provide Executive with customary directors' and officers' liability insurance coverage both during and after the Term with regard to matters occurring during employment or while otherwise providing services to, or serving at the request of, the Company or any of its subsidiaries or Affiliates, or any benefit plan of any of the foregoing, which coverage shall be at a level at least equal to the greatest level being maintained at such time for any current officer or director and shall continue until such time as suits can no longer be brought against Executive as a matter of law. Executive will be entitled to advancement of expenses in connection with any claim in the same manner and to the same extent to which any other officer or director of the Company is entitled. Notwithstanding the foregoing, the Company shall not be required to indemnify or advance expenses to Executive in connection with (i) any dispute in connection with this Agreement or Executive's employment hereunder; (ii) any action, claim, or proceeding initiated by Executive against the Company unless such action, claim, or proceeding is approved in advance by the Board in writing; or (iii) any liabilities, damages, claims or expenses incurred that are attributable to Executive's fraud, bad faith, willful misconduct, or gross negligence.

5. Termination of Employment. (a) Executive's employment under this Agreement may be terminated by either party at any time and for any reason; provided, however,

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that Executive shall be required to give the Company at least sixty (60) days' advance written notice of any voluntary resignation of Executive's employment hereunder (other than resignation for Good Reason) (and in such event the Company in its sole discretion may elect to accelerate Executive's date of termination of employment, it being understood that such termination shall still be treated as a voluntary resignation without Good Reason for purposes of this Agreement). Notwithstanding the foregoing, Executive's employment shall terminate automatically upon Executive's death.

(b) Following any termination of Executive's employment under this Agreement, except as provided under Sections 5(c), 5(d), and 5(e), the obligations of the Company to pay or provide Executive with compensation and benefits under Section 4 shall cease, and the Company shall have no further obligations to provide compensation or benefits to Executive hereunder, except (i) for payment of any accrued but unpaid Base Salary and any accrued but unused vacation and for payment of any unreimbursed business expenses under Section 4(e), in each case accrued or incurred through the date of termination of employment, payable as soon as practicable and in all events within thirty (30) days following the date of termination of employment, (ii) as explicitly set forth in any other benefit plans, programs, or arrangements applicable to terminated employees in which Executive participates (including, without limitation, equity award agreements), other than severance plans or policies (including severance benefits following a Change in Control), and (iii) as otherwise expressly required by applicable law. For the avoidance of doubt, except as otherwise provided below, any Unpaid Annual Bonus (as defined below) is forfeited if Executive's employment is terminated for any reason.

(c) If Executive's employment under this Agreement is terminated (i) by the Company without Cause (other than due to death or Disability), (ii) by Executive for Good Reason, or (iii) due to expiration of the Term on the Expiration Date as a result of the Company delivering a notice of non-renewal as contemplated by Section 1, in addition to the payments and benefits specified in Section 5(b), Executive shall be entitled to receive: (i) severance pay in an aggregate amount (the "Severance Pay") equal to, two times (2x) the sum of (A) Base Salary plus (B) Target Bonus; (ii) a prorated Annual Bonus in respect of the fiscal year of termination equal to the product of (x) the amount of Annual Bonus that would have been payable to Executive had Executive's employment not so terminated based on actual performance measured through the fiscal year of termination, and (y) a fraction, the numerator of which is the number of days elapsed in the Company's fiscal year in which the termination occurs through such termination and the denominator of which is the number of days in such fiscal year (the "Prorated Bonus"); (iii) any accrued but unpaid Annual Bonus in respect of the fiscal year prior to the fiscal year of termination (the "Unpaid Annual Bonus"); and (iv) continued health insurance

benefits under the terms of the applicable Company benefit plans for twenty-four (24) months, subject to Executive's payment of the cost of such benefits to the same extent that active employees of the Company are required to pay for such benefits from time to time; provided, however, that, such continuation coverage shall end earlier upon Executive's becoming eligible for comparable coverage under another employer's benefit plans; and provided, further, that, to the extent that the provision of such continuation coverage is not permitted under the terms of the Company benefit plans or would result in an adverse tax

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consequence to the Company, the Company may alternatively provide Executive with a monthly cash payment in an amount equal to the applicable COBRA premium that Executive would otherwise be required to pay to obtain COBRA continuation coverage for such benefits for twenty-four (24) months (assuming that COBRA continuation coverage were available for such period) (minus the cost of such benefits to the same extent that active employees of the Company are required to pay for such benefits from time to time) (the "Healthcare Severance Benefits"), commencing as provided in Section 23(c). The Severance Pay shall be paid in equal installments during the twenty-four (24)-month period following Executive's termination in accordance with the Company's regular payroll practices, but no less frequently than monthly, and commencing as provided in Section 23(c) below. The Unpaid Annual Bonus shall be paid on the date bonuses are paid to other executives during the fiscal year of Executive's termination and the Prorated Bonus shall be paid on the date bonuses are paid to other executives of the Company in the year following the fiscal year of Executive's termination.

(d) Notwithstanding anything herein to the contrary, if at any time within eighteen (18) months following a Change in Control, Executive's employment under this Agreement is terminated (i) by the Company without Cause (other than due to death or Disability), (ii) by Executive for Good Reason, or (iii) due to expiration of the Term on the Expiration Date as a result of the Company delivering a notice of non-renewal as contemplated by Section 1, then Executive, in lieu of any of the amounts and benefits described in Section 5(c), and in addition to the payments and benefits specified in Section 5(b), shall be entitled to receive (i) the Unpaid Annual Bonus, (ii) 2.99 times the sum of (A) Base Salary plus (B) Target Bonus (the "CIC Severance Pay"), (iii) the product of (x) the Target Bonus, and (y) a fraction, the numerator of which is the number of days elapsed in the Company's fiscal year in which the termination occurs through such termination and the denominator of which is the number of days in such fiscal year (the "Prorated CIC Bonus"), and (iv) the Healthcare Severance Benefits for twenty-four (24) months (as described above and commencing as provided in Section 23(c)). The CIC Severance Pay and the Prorated CIC Bonus shall be paid in cash in a lump sum on the first payroll following the satisfaction of the Release Condition, subject to Section 23(c); provided, however, if the Change in Control does not constitute a "change in the ownership or effective control of the corporation, or in the ownership of a substantial portion of the assets of the corporation" within the meaning of Section 409A(a)(2)(A)(v) of the Internal Revenue Code of 1986, as amended (the "Code"), the portion of the CIC Severance Pay that is not in excess of the Severance Pay that would have been payable upon such termination if Section 5(c) applied shall be paid to Executive in equal monthly installments during the twenty-four (24)-month period following Executive's termination in accordance with the Company's regular payroll practices, but no less frequently than monthly, and commencing as provided in Section 23(c) below, and the portion of the CIC Severance Pay in excess of such amount shall be paid to Executive in a lump sum sixty (60) days after the consummation of the Change in Control. The Unpaid Annual Bonus shall be paid on the date bonuses are paid to other executives during the fiscal year of Executive's termination.

(e) If Executive's employment under this Agreement is terminated due to death or Disability, in addition to the payments and benefits specified in Section 5(b), Executive shall be entitled to receive (i) the Prorated Bonus, paid on the date bonuses are paid to

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other executives of the Company in the year following the fiscal year of Executive's termination, and (ii) the Unpaid Annual Bonus, paid on the date bonuses are paid to other executives of the Company in the fiscal year of Executive's termination.

(f) Executive's entitlement to the payments and benefits set forth in Sections 5(c) and 5(d) shall be conditioned upon Executive's having provided an irrevocable waiver and release of claims in favor of the Company, its Affiliates, their respective predecessors and successors, and all of the respective current or former directors, officers, employees, shareholders, partners, members, agents, or representatives of any of the foregoing (collectively, the "Released Parties"), substantially in the form attached hereto as Exhibit B (the "Release"), that has become effective in accordance with its terms within sixty (60) days following Executive's termination of employment (the "Release Condition"), and Executive's continued compliance with Sections 6 and 7 hereof.

(g) Upon termination of Executive's employment for any reason, and regardless of whether Executive continues as a consultant to the Company, upon the Company's request Executive agrees to resign, as of the date of such termination of employment or such other date requested, from the Board and any committees thereof, and, if applicable, from the board of directors (and any committees thereof) of any Affiliate of the Company to the extent Executive is then serving thereon. The Company's obligations to make the payments provided for in this Agreement are subject to set-off for any undisputed amounts owed by Executive, to the extent permitted by Section 409A (as defined below) and any Company clawback policy.

(h) The payment of any amounts accrued under any benefit plan, program, or arrangement in which Executive participates shall be subject to the terms of the applicable plan, program, or arrangement, and any elections Executive has made thereunder.

(i) Following any termination of Executive's employment, Executive shall have no obligation to seek other employment or take any other action by way of mitigation of the amounts payable to Executive under any of the provisions of this Agreement. There shall be no offset against amounts due Executive under this Agreement on account of any remuneration attributable to later employment, consultancy, or other remunerative activity of Executive.

6. Confidential Information.

(a) Executive acknowledges that the Company and its Affiliates continually develop Confidential Information (as defined below), that Executive may develop Confidential Information for the Company or its Affiliates and that Executive may learn of Confidential Information during the course of Executive's employment. Executive will comply with the policies and procedures of the Company and its Affiliates for protecting Confidential Information and shall not disclose to any Person or use, other than as required by applicable law or for the proper performance of Executive's duties and responsibilities to the Company and its Affiliates, any Confidential Information obtained by Executive incident to Executive's employment or other association with the Company or any of its Affiliates. Executive

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understands that this restriction shall continue to apply after Executive's employment terminates, regardless of the reason for such termination.

(b) All documents, records, tapes, and other media of every kind and description relating to the business, present or otherwise, of the Company or its Affiliates and any copies, in whole or in part, thereof (the "Documents"), whether or not prepared by Executive, shall be the sole and exclusive property of the Company and its Affiliates. Executive shall safeguard all Documents and shall surrender to the Company at the time Executive's employment terminates, or at such earlier time or times as the Company may specify, all Documents then in Executive's possession or control. Executive shall immediately return such Documents and other property to the Company upon the termination of Executive's employment and, in any event, at the Company's request. Executive further agrees that any property situated on the premises of, and owned by, the Company or its Affiliates, including disks and other storage media, filing cabinets, or other work areas, is subject to inspection by the Company's personnel at any time with or without notice.

(c) Executive understands that, notwithstanding anything to the contrary contained herein, no provision of this Agreement will be interpreted so as to impede Executive (or any other individual) from (i) making any disclosure of relevant and necessary information or documents in any action, investigation, or proceeding relating to this Agreement, or as required by law or legal process, including with respect to possible violations of law, (ii) participating, cooperating, or testifying in any action, investigation, or proceeding with, or providing information to, any governmental agency, legislative body or any self-regulatory organization, including, but not limited to, the Department of Justice, the Securities and Exchange Commission, the Congress, and any agency Inspector General, (iii) accepting any U.S. Securities and Exchange Commission Awards, or (iv) making other disclosures under the whistleblower provisions of federal law or regulation. In addition, nothing in this Agreement or any other

agreement or Company policy prohibits or restricts Executive from initiating communications with, or responding to any inquiry from, any administrative, governmental, regulatory or supervisory authority regarding any good faith concerns about possible violations of law or regulation. Executive does not need the prior authorization of the Company to make any such reports or disclosures and Executive will not be required to notify the Company that such reports or disclosures have been made.

(d) “Confidential Information” means any and all information of the Company and its Affiliates that is not generally known by others with whom they compete or do business, or with whom any of them plans to compete or do business and any and all information, publicly known in whole or in part or not, which, if disclosed by the Company or its Affiliates would assist in competition against them. Confidential Information includes, without limitation, such information relating to (i) the development, research, testing, manufacturing, marketing and financial activities of the Company and its Affiliates, (ii) all products planned, researched, developed, tested, manufactured, sold, licensed, leased or otherwise distributed or put into use by the Company and its Affiliates, together with all services provided or planned by the Company or any of its Affiliates, during Executive's employment, (iii) the costs, sources of supply, financial performance and strategic plans of the Company and its Affiliates, (iv) the

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identity and special needs of the customers of the Company and its Affiliates and (v) the people and organizations with whom the Company and its Affiliates have business relationships and those relationships. Confidential Information also includes any information that the Company or any of its Affiliates have received, or may receive hereafter, belonging to customers or others with any understanding, express or implied, that the information would not be disclosed.

7. Restricted Activities. Executive agrees that some restrictions on Executive's activities during and after Executive's employment are necessary to protect the goodwill, Confidential Information, and other legitimate interests of the Company and its Affiliates. Following the Effective Date, the Company will provide Executive with access to and knowledge of Confidential Information and trade secrets and will place Executive in a position of trust and confidence with the Company, and Executive will benefit from the Company's goodwill. The restrictive covenants below are necessary to protect the Company's legitimate business interests in its Confidential Information, trade secrets and goodwill. Executive further understands and acknowledges that the Company's ability to reserve these for the exclusive knowledge and use of the Company is of great competitive importance and commercial value to the Company and that the Company would be irreparably harmed if Executive violates the restrictive covenants below. In recognition of the consideration provided to Executive as well as the imparting to Executive of Confidential Information, including trade secrets, and for other good and valuable consideration, Executive hereby agrees as follows:

(a) While Executive is employed by the Company and for twenty-four (24) months after Executive's employment terminates for any reason, whether before or after the Expiration Date (in the aggregate, the “Non-Competition Period”), Executive shall not, directly or indirectly, whether as owner, partner, investor (other than a passive investor of less than 5% in a publicly traded company), consultant, agent, employee, co-venturer, or otherwise, (i) compete with the business of the Company or any of its subsidiaries in any location where the Company or its subsidiaries conducts business (a “Competitive Business”) or (ii) undertake any planning for any Competitive Business. With respect to the portion of the Non-Competition Period that follows Executive's termination of employment, the determination of whether a business is a Competitive Business shall be made based on the scope and location of the businesses conducted or planned to be conducted by the Company and its subsidiaries as of the date of such termination.

(b) Executive agrees that, during Executive's employment with the Company, Executive will not undertake any outside activity, whether or not competitive with the business of the Company or its Affiliates, that would reasonably give rise to a conflict of interest or otherwise interfere with Executive's duties and obligations to the Company or any of its Affiliates.

(c) Executive further agrees that, during the Non-Competition Period, Executive will not solicit, hire, or attempt to solicit or hire any employee of the Company or any of its Affiliates (or any individual who was employed by the Company or any of its Affiliates during the one (1)-year period prior to Executive's termination), assist in such hiring by any Person, encourage any such employee to terminate his or her relationship with the

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Company or any of its Affiliates, or solicit or encourage any customer, client, or vendor of the Company or any of its Affiliates to terminate or diminish its relationship with them, or, in the case of a customer, to conduct with any Person any business or activity which such customer conducts with the Company or any of its Affiliates.

(d) Executive shall not, whether in writing or orally, malign, denigrate, or disparage the Company or its Affiliates, or their respective predecessors and successors, or any of the current or former directors, officers, employees, shareholders, partners, members, agents, or representatives of any of the foregoing, with respect to any of their respective past or present activities, or otherwise publish (whether in writing or orally) statements that tend to portray any of the aforementioned parties in an unfavorable light. The Company shall direct its directors and officers not to, whether in writing or orally, malign, denigrate, or disparage Executive with respect to any of Executive's past or present activities, or otherwise publish (whether in writing or orally) statements that are intended to portray Executive in an unfavorable light.

(e) Executive's and the Company's obligations under this Section 7, as applicable, shall continue beyond the termination of Executive's employment with the Company.

8. Notification Requirement. Through and up to the conclusion of the Non-Competition Period, Executive shall give notice to the Company of each new business activity he plans to undertake, at least seven (7) days prior to beginning any such activity. Such notice shall state the name and address of the Person for whom such activity is undertaken and the nature of Executive's business relationship(s) and position(s) with such Person.

9. Intellectual Property Rights. (a) Executive agrees that the results and proceeds of Executive's services for the Company (including, but not limited to, any trade secrets, products, services, processes, know-how, designs, developments, innovations, analyses, drawings, reports, techniques, formulas, methods, developmental or experimental work, improvements, discoveries, inventions, ideas, source and object codes, programs, writing and other works of authorship) resulting from services performed while an employee of the Company and any works in progress, whether or not patentable or registrable under copyright or similar statutes, that were made, developed, conceived, or reduced to practice or learned by Executive, either alone or jointly with others (collectively, "Inventions"), shall be works-made-for-hire and the Company shall be deemed the sole owner throughout the universe of any and all trade secret, patent, copyright, and other intellectual property rights (collectively, "Proprietary Rights") of whatsoever nature therein, whether or not now or hereafter known, existing, contemplated, recognized, or developed, with the right to use the same in perpetuity in any manner the Company determines in its sole discretion, without any further payment to Executive whatsoever. If, for any reason, any of such results and proceeds shall not legally be a work-made-for-hire and/or there are any Proprietary Rights which do not accrue to the Company under the immediately preceding sentence, then Executive hereby irrevocably assigns and agrees to assign any and all of Executive's right, title, and interest thereto, including any and all Proprietary Rights of whatsoever nature therein, whether or not now or hereafter known,

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existing, contemplated, recognized, or developed, to the Company, and the Company shall have the right to use the same in perpetuity throughout the universe in any manner determined by the Company without any further payment to Executive whatsoever. As to any Invention that Executive is required to assign, Executive shall promptly and fully disclose to the Company all information known to Executive concerning such Invention.

(b) Executive agrees that, from time to time, as may be requested by the Company and at the Company's sole cost and expense, Executive shall do any and all things that the Company may reasonably deem useful or desirable to establish or document the Company's exclusive ownership throughout the United States of America or any other country of any and all Proprietary Rights in any such Inventions, including the execution of appropriate copyright and patent applications or assignments. To the extent that Executive has any Proprietary Rights in the Inventions that cannot be assigned in the manner described above, Executive unconditionally and irrevocably waives the enforcement of such Proprietary Rights. This Section 9(b) is subject to and shall not be deemed to limit, restrict, or constitute any waiver by the Company of any Proprietary Rights of ownership to which the Company may be entitled by operation of law by virtue of the Company's being Executive's employer. Executive shall

execute, verify, and deliver such documents and perform such other acts (including appearances as a witness) as the Company may reasonably request for use in applying for, obtaining, perfecting, evidencing, sustaining, and enforcing such Proprietary Rights and the assignment thereof. In addition, Executive shall execute, verify, and deliver assignments of such Proprietary Rights to the Company or its designees. Executive's obligations under this Section 9 shall continue beyond the termination of Executive's employment with the Company.

(c) 18 U.S.C. § 1833(b) provides: "An individual shall not be held criminally or civilly liable under any federal or state trade secret law for the disclosure of a trade secret that—(i) is made—(A) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (B) solely for the purpose of reporting or investigating a suspected violation of law; or (ii) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal." Nothing in this Agreement is intended to conflict with 18 U.S.C. § 1833(b) or create liability for disclosures of trade secrets that are expressly allowed by 18 U.S.C. § 1833(b). Accordingly, the parties to this Agreement have the right to disclose in confidence trade secrets to federal, state, and local government officials, or to an attorney, for the sole purpose of reporting or investigating a suspected violation of law. The parties also have the right to disclose trade secrets in a document filed in a lawsuit or other proceeding, but only if the filing is made under seal and protected from public disclosure.

(d) Executive hereby waives and quitclaims to the Company any and all claims, of any nature whatsoever, that Executive now or may hereafter have for infringement of any Proprietary Rights assigned hereunder to the Company.

10. Remedies and Injunctive Relief. Executive acknowledges that a violation by Executive of any of the covenants contained in Sections 6, 7, 8, or 9 would cause irreparable damage to the Company in an amount that would be material but not readily ascertainable, and that any remedy at law (including the payment of damages) would be

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inadequate. Accordingly, Executive agrees that, notwithstanding any provision of this Agreement to the contrary, the Company shall be entitled (without the necessity of showing economic loss or other actual damage) to injunctive relief (including temporary restraining orders, preliminary injunctions, and permanent injunctions) in any court of competent jurisdiction for any actual or threatened breach of any of the covenants set forth in Sections 6, 7, 8, or 9 in addition to any other legal or equitable remedies it may have. The preceding sentence shall not be construed as a waiver of the rights that the Company may have for damages under this Agreement or otherwise, and all of the Company's rights shall be unrestricted.

11. Representations; Advice of Counsel. (a) Executive represents, warrants, and covenants that as of the date hereof: (i) Executive has the full right, authority, and capacity to enter into this Agreement and perform Executive's obligations hereunder, (ii) Executive is not bound by any agreement that conflicts with or prevents or restricts the full performance of Executive's duties and obligations to the Company hereunder during or after the Term, and (iii) the execution and delivery of this Agreement shall not result in any breach or violation of, or a default under, any existing obligation, commitment, or agreement to which Executive is subject.

(b) Prior to execution of this Agreement, Executive was advised by the Company of Executive's right to seek independent advice from an attorney of Executive's own selection regarding this Agreement. Executive acknowledges that Executive has entered into this Agreement knowingly and voluntarily and with full knowledge and understanding of the provisions of this Agreement after being given the opportunity to consult with counsel. Executive further represents that in entering into this Agreement, Executive is not relying on any statements or representations made by any of the Company's directors, officers, employees, or agents that are not expressly set forth herein, and that Executive is relying only upon Executive's own judgment and any advice provided by Executive's attorney.

(c) The Company represents, warrants, and covenants that as of the date hereof: (i) the Company has the full right, authority, and capacity to enter into this Agreement and perform the Company's obligations hereunder, (ii) the Company is not bound by any agreement that conflicts with or prevents or restricts the full performance of the Company's obligations to Executive hereunder during or after the Term, and (iii) the execution and delivery of this Agreement shall not result in any breach or violation of, or a default under, any existing obligation, commitment, or agreement to which the Company is subject.

12. Cooperation. Executive agrees that, upon reasonable notice and without the necessity of the Company's obtaining a subpoena or court order, Executive shall provide reasonable cooperation in connection with any suit, action, or proceeding (or any appeal from any suit, action, or proceeding), and any investigation or defense of any claims asserted against the Company or its Affiliates, that relates to events occurring during

Executive's employment with the Company and its Affiliates as to which Executive may have relevant information (including but not limited to furnishing relevant information and materials to the Company or its designee and providing testimony at depositions and at trial); provided that with respect to such cooperation occurring following termination of employment, the Company shall reimburse Executive for expenses reasonably incurred in connection therewith.

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13. Withholding. The Company may deduct and withhold from any amounts payable under this Agreement such federal, state, local, non-U.S., and other taxes as are required to be withheld pursuant to any applicable law or regulation.

14. Assignment. Neither the Company nor Executive may make any assignment of this Agreement or any interest herein, by operation of law or otherwise, without the prior written consent of the other party; provided, that the Company may assign its rights under this Agreement without the consent of Executive to a successor to substantially all of the business of the Company in the event that the Company shall effect a reorganization, consolidate with or merge into any other corporation, partnership, organization, or other entity, or transfer all or substantially all of its properties or assets to any other corporation, partnership, organization, or other entity. This Agreement shall inure to the benefit of and be binding upon the Company and Executive, and their respective successors, executors, administrators, heirs, and permitted assigns.

15. Governing Law; No Construction Against Drafter. This Agreement shall be deemed made in the State of Delaware, and the validity, interpretation, construction, and performance of this Agreement in all respects shall be governed by the laws of the State of Delaware without regard to its principles of conflicts of law. No provision of this Agreement or any related document will be construed against or interpreted to the disadvantage of any party hereto by any court or other governmental or judicial authority by reason of such party's having or being deemed to have structured or drafted such provision.

16. Consent to Jurisdiction; Waiver of Jury Trial. (a) Except as otherwise specifically provided herein, Executive and the Company each hereby irrevocably submit to the exclusive jurisdiction of the federal courts located within the State of Delaware (or, if subject matter jurisdiction in such courts are not available, in any state court located within the State of Delaware) over any dispute arising out of or relating to this Agreement. Except as otherwise specifically provided in this Agreement, the parties undertake not to commence any suit, action or proceeding arising out of or relating to this Agreement in a forum other than a forum described in this Section 16(a); provided, however, that nothing herein shall preclude either party from bringing any suit, action, or proceeding in any other court for the purpose of enforcing the provisions of this Section 16 or enforcing any judgment obtained by either party.

(b) The agreement of the parties to the forum described in Section 16(a) is independent of the law that may be applied in any suit, action, or proceeding, and the parties agree to such forum even if such forum may under applicable law choose to apply non-forum law. The parties hereby waive, to the fullest extent permitted by applicable law, any objection which they now or hereafter have to personal jurisdiction or to the laying of venue of any such suit, action, or proceeding brought in an applicable court described in Section 16(a), and the parties agree that they shall not attempt to deny or defeat such personal jurisdiction by motion or other request for leave from any such court. The parties agree that, to the fullest extent permitted by applicable law, a final and non-appealable judgment in any suit, action, or proceeding brought in any applicable court described in Section 16(a) shall be conclusive and binding upon the parties and may be enforced in any other jurisdiction.

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(c) The parties hereto irrevocably consent to the service of any and all process in any suit, action, or proceeding arising out of or relating to this Agreement by the mailing of copies of such process to such party at such party's address specified in Section 20.

(d) Each party hereto hereby waives, to the fullest extent permitted by applicable law, any right it may have to a trial by jury in respect of any suit, action, or proceeding arising out of or relating to this Agreement. Each party hereto (i) certifies that no representative, agent, or attorney of any other party has represented, expressly or otherwise, that such party would not, in the event of any action, suit, or proceeding, seek to enforce the foregoing waiver, and (ii) acknowledges that it and the other party hereto has been induced to enter into this Agreement by, among other things, the mutual waiver and certifications in this Section 16(d).

(e) Each party shall bear his or her or its own costs and expenses (including reasonable attorneys' fees and expenses) incurred in connection with any dispute arising out of or relating to this Agreement.

17. Amendment; No Waiver; Severability. (a) No provisions of this Agreement may be amended, modified, waived, or discharged except by a written document signed by Executive and a duly authorized officer of the Company (other than Executive). The failure of a party to insist upon strict adherence to any term of this Agreement on any occasion shall not be considered a waiver of such party's rights or deprive such party of the right thereafter to insist upon strict adherence to that term or any other term of this Agreement. No failure or delay by either party in exercising any right or power hereunder will operate as a waiver thereof, nor will any single or partial exercise of any such right or power, or any abandonment of any steps to enforce such a right or power, preclude any other or further exercise thereof or the exercise of any other right or power.

(b) term or provision of this Agreement is invalid, illegal, or incapable of being enforced by any applicable law or public policy, all other conditions and provisions of this Agreement shall nonetheless remain in full force and effect so long as the economic and legal substance of the transactions contemplated by this Agreement is not affected in any manner materially adverse to any party; provided that in the event that any court of competent jurisdiction shall finally hold in a non-appealable judicial determination that any provision of Sections 6 through 10 (whether in whole or in part) is void or constitutes an unreasonable restriction against Executive, such provision shall not be rendered void but shall be deemed modified to the minimum extent necessary to make such provision enforceable for the longest duration and the greatest scope as such court may determine constitutes a reasonable restriction under the circumstances. Subject to the foregoing, upon such determination that any term or other provision is invalid, illegal, or incapable of being enforced, the parties hereto shall negotiate in good faith to modify this Agreement so as to effect the original intent of the parties as closely as possible in a mutually acceptable manner in order that the transactions contemplated hereby be consummated as originally contemplated to the fullest extent possible.

18. Entire Agreement. This Agreement constitutes the entire agreement and understanding between the Company and Executive with respect to the subject matter hereof and

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supersedes all prior agreements and understandings (whether written or oral), between Executive and the Company, relating to such subject matter. None of the parties shall be liable or bound to any other party in any manner by any representations and warranties or covenants relating to such subject matter except as specifically set forth herein.

19. Survival. The rights and obligations of the parties under the provisions of this Agreement shall survive, and remain binding and enforceable, notwithstanding the expiration of the Term, the termination of this Agreement, the termination of Executive's employment hereunder or any settlement of the financial rights and obligations arising from Executive's employment hereunder, to the extent necessary to preserve the intended benefits of such provisions.

20. Notices. All notices or other communications required or permitted to be given hereunder shall be in writing and shall be delivered by hand or sent by facsimile or sent, postage prepaid, by registered, certified, or express mail or overnight courier service and shall be deemed given when so delivered by hand or facsimile, or if mailed, three days after mailing (one (1) business day in the case of express mail or overnight courier service) to the parties at the following addresses or facsimiles (or at such other address for a party as shall be specified by like notice):

If to the Company: Vistra Corp.

Attn: Corporate Secretary
6555 Sierra Drive
Irving, TX 75039

If to Executive: At the most recent address on file in the Company's records.

Notices delivered by facsimile shall have the same legal effect as if such notice had been delivered in person.

21. Headings and References. The headings of this Agreement are inserted for convenience only, and neither constitute a part of this Agreement nor affect in any way the meaning or interpretation of this Agreement. When a reference in this Agreement is made to a Section, such reference shall be to a Section of this Agreement unless otherwise indicated.

22. Counterparts. This Agreement may be executed in one or more counterparts (including via electronic image scan (.pdf)), each of which shall be deemed to be an original, but all of which together shall constitute one and the same instrument and shall become effective when one or more counterparts have been signed by each of the parties and delivered to the other parties.

23. Section 409A. (a) For purposes of this Agreement, "Section 409A" means Section 409A of the Code, and the Treasury Regulations promulgated thereunder (and such other Treasury or Internal Revenue Service guidance) as in effect from time to time. The parties intend that any amounts payable hereunder that could constitute "deferred compensation"

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within the meaning of Section 409A will be compliant with Section 409A or exempt from Section 409A.

(b) Notwithstanding anything in this Agreement to the contrary, the following special rule shall apply, if and to the extent required by Section 409A, in the event that (i) Executive is deemed to be a "specified employee" within the meaning of Code Section 409A(a)(2)(B)(i) (as determined in accordance with the methodology established by the Company as in effect on the date of Executive's "separation from service" (within the meaning of Treasury Regulations § 1.409A-1(h)), (ii) amounts or benefits under this Agreement or any other program, plan, or arrangement of the Company or a controlled group affiliate thereof are due or payable on account of separation from service, and (iii) Executive is employed by a public company or a controlled group affiliate thereof: payments hereunder that are "deferred compensation" subject to Section 409A that would be made to Executive prior to the date that is six (6) months after the date of Executive's separation from service shall be made within ten (10) business days after such six (6)-month date or, if earlier, ten (10) days following the date of Executive's death; following any applicable delay, all such delayed payments, without interest will be paid in a single lump sum on the earliest permissible payment date.

(c) Except to the extent required to be delayed pursuant to Section 23(b), any payment or benefit due or payable on account of Executive's separation from service to which this Section 23(c) applies shall be paid or commence, as applicable, upon the first scheduled payroll date immediately after the date the Release Condition is satisfied (the "Release Effective Date"); provided that, to the extent that such payment or benefit represents a "deferral of compensation" within the meaning of Section 409A and the sixty (60) day period following Executive's separation from service spans two (2) taxable years, payment shall not be made or commence prior to January 1 of the second taxable year. The first such cash payment shall include payment of all amounts that otherwise would have been due prior to the Release Effective Date under the terms of this Agreement applied as though such payments commenced immediately upon Executive's termination of employment, and any payments made thereafter shall continue as provided herein. The delayed benefits shall in any event expire at the time such benefits would have expired had such benefits commenced immediately following Executive's termination of employment.

(d) Each payment made under this Agreement (including each separate installment payment in the case of a series of installment payments) shall be deemed to be a separate payment for purposes of Section 409A. Amounts payable under this Agreement shall be deemed not to be a "deferral of compensation" subject to Section 409A to the extent provided in the exceptions in Treasury Regulations §§ 1.409A-1(b)(4) ("short-term deferrals") and (b)(9) ("separation pay plans," including the exception under subparagraph (iii)) and other applicable provisions of Section 409A, and shall be paid under any such exception to the maximum extent permitted. For purposes of this Agreement, with respect to payments of any amounts that are considered to be "deferred compensation" subject to Section 409A, references to "termination of employment," "termination," or words and phrases of similar import, shall be deemed to refer to Executive's "separation from service" as defined in Section 409A, and shall be interpreted and applied in a manner that is consistent with the requirements of Section 409A.

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In no event may Executive, directly or indirectly, designate the calendar year of any payment under this Agreement.

(e) Notwithstanding anything to the contrary in this Agreement, any payment or benefit under this Agreement or otherwise that is eligible for exemption from Section 409A pursuant to Treasury Regulation § 1.409A-1(b)(9)(v)(A) or (C) (relating to certain reimbursements and in-kind benefits) shall be paid or provided to Executive only to the extent that the expenses are not incurred, or the benefits are not provided, beyond the last day of the second calendar year following the calendar year in which Executive's "separation from service" occurs; and provided that such expenses are reimbursed no later than the last day of the second calendar year following the calendar year in which Executive's "separation from service" occurs. To the extent that any indemnification payment, expense reimbursement, or provision of any in-kind benefit is determined to be subject to Section 409A (and not exempt pursuant to the prior sentence or otherwise), the amount of any such indemnification payment or expenses eligible for reimbursement, or the provision of any in-kind benefit, in one (1) calendar year shall not affect the indemnification payment or provision of in-kind benefits or expenses eligible for reimbursement in any other calendar year (except for any lifetime or other aggregate limitation applicable to medical expenses to the extent permitted by Section 409A), such indemnification, reimbursement, or in-kind benefits shall be provided for the period set forth in this Agreement, or if no such period is set forth, during Executive's lifetime, in no event shall any indemnification payment or expenses be reimbursed after the last day of the calendar year following the calendar year in which Executive incurred such indemnification payment or expenses, and in no event shall any right to indemnification payment or reimbursement or the provision of any in-kind benefit be subject to liquidation or exchange for another benefit.

[Signature Page Follows]

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IN WITNESS WHEREOF, this Agreement has been duly executed by the parties as of the date first written above.

Vistra Corp. and Vistra Corporate Services Company

By: /s/ Stephanie Zapata Moore

Name: Stephanie Zapata Moore

Title: Executive Vice President, General Counsel, and Chief Compliance Officer

CARRIE LEE KIRBY

/s/ Carrie Lee Kirby

Exhibit A

OIP:	Equity awards to be subject to the terms of the Company's Omnibus Incentive Plan.
Annual Equity Awards:	Executive will be granted annual equity awards in an amount determined by the Board. Such awards may be in the form of options, restricted stock units, performance shares, or any other form as approved by the Board.
Involuntary Termination Without Cause / Resignation for Good Reason / Non-Renewal of Term by the Company:	Subject to delivery (and non-revocation) of the Release and continued compliance with Sections 6 and 7 of this Agreement, accelerated vesting of the portion of Executive's outstanding equity awards that would have vested in the 12 months following termination had Executive remained employed (fully vested options to remain exercisable for 90 days following termination or, if Executive is subject Section 16 of the Exchange Act as of such Termination, 180 days from the date of such termination (or until the option's regular expiration date, if shorter)).
Termination with Cause / Resignation Without Good Reason / Non-Renewal of the Term by Executive	All options and other outstanding awards (unvested and vested) are forfeited upon a termination for Cause. On any other termination, Executive will retain all vested awards (forfeits unvested), and vested options remain exercisable for 30 days following termination or, if Executive is subject Section 16 of the Exchange Act as of such Termination, 180 days from the date of such termination (or until the option's regular expiration date, if shorter).
Death / Disability	Accelerated vesting of the portion of Executive's equity awards that would have vested in the 12 months following termination had he remained employed (fully vested options to remain exercisable for one year following termination (or until the option's regular expiration date, if shorter)).
Involuntary Termination Without Cause / Resignation for Good Reason / Non-Renewal of Term by the Company Following a Change in Control:	All equity awards that were outstanding at the time of the Change in Control will vest upon such termination.

Exhibit B

Release of Claims

As used in this Release of Claims (this "Release"), the term "claims" will include all claims, covenants, warranties, promises, undertakings, actions, suits, causes of action, proceedings, obligations, debts, accounts, attorneys' fees, judgments, losses, and liabilities, of whatsoever kind or nature, in law, in equity, or otherwise. Capitalized terms used but not defined in this Release will have the meanings given to them in the employment agreement dated May 5, 2022, between Vistra Corp., Vistra Corporate Services Company (together, the "Company") and Carrie Lee Kirby (my "Agreement").

For and in consideration of the severance payments and benefits, and other good and valuable consideration, I, for and on behalf of myself and my executors, heirs, administrators, representatives, and assigns, hereby agree to release and forever discharge the Company and each of its direct and indirect parent and subsidiary entities, and all of their respective predecessors, successors, and past, current, and future parent entities, affiliates, subsidiary entities, investors, directors, shareholders, members, officers, general or limited partners, employees, attorneys, agents, and representatives, and the employee benefit plans in which I am or have been a participant by virtue of my employment with or service to the Company (collectively, the "Company Releasees"), from any and all claims that I have or may have had against the Company Releasees based on any events or circumstances arising or occurring on or prior to the date hereof and arising directly or indirectly out of, relating to, or in any other way involving in any manner whatsoever my employment by or service to the Company or the termination thereof, including without limitation any and all claims arising under federal, state, or local laws relating to employment, including without limitation claims of wrongful discharge, breach of express or implied contract, fraud, misrepresentation, defamation, intentional infliction of emotional distress, whistleblowing, or liability in tort, and claims of any kind that may be brought in any court or administrative agency, and any related claims for attorneys' fees and costs, including, without limitation, claims under Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. Section 2000, et seq.; the Americans with Disabilities Act, as amended, 42 U.S.C. § 12101 et seq.; the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 701 et seq.; the Civil Rights Act of 1866, and the Civil Rights Act of 1991; 42

U.S.C. Section 1981, et seq.; the Age Discrimination in Employment Act, as amended, 29 U.S.C. Section 621, et seq. (the "ADEA"); the Equal Pay Act, as amended, 29 U.S.C. Section 206(d); regulations of the Office of Federal Contract Compliance, 41 C.F.R. Section 60, et seq.; the Family and Medical Leave Act, as amended, 29 U.S.C. § 2601 et seq.; the Fair Labor Standards Act of 1938, as amended, 29 U.S.C. § 201 et seq.; the Employee Retirement Income Security Act, as amended, 29 U.S.C. § 1001 et seq.; and any similar state or local law. I agree further that this Release may be pleaded as a full defense to any action, suit, arbitration, or other proceeding covered by the terms hereof that is or may be initiated, prosecuted, or maintained by me or my descendants, dependents, heirs, executors, administrators, or assigns. By signing this Release, I acknowledge that I intend to waive and release all rights known or unknown that I may have against the Company Releasees under these and any other laws.

I acknowledge and agree that as of the date I execute this Release, I have no knowledge of any facts or circumstances that give rise or could give rise to any claims under any of the laws listed in the preceding paragraph and that I have not filed any claim against any of the Releasees before any local, state, federal, or foreign agency, court, arbitrator, mediator, arbitration or mediation panel, or other body, but excluding claims, reports, disclosures, or complaints brought to any government agencies, (each individually a "Proceeding"). I acknowledge that I will not initiate or cause to be initiated on my behalf any Proceeding and will not participate in any Proceeding, in each case, except as required by law or to the extent such Proceeding relates to a claim not waived hereunder. Further, I understand that, by executing this Release, I will be

limiting the availability of certain remedies that I may have against the Company and limiting also my ability to pursue certain claims against the Company Releasees, provided, however, that I understand this Agreement does not limit my right to receive an award for information provided to any governmental agencies that I may be entitled to recover pursuant to whistleblower laws, rules or regulations, including but not limited to Securities and Exchange Commission ("SEC") Rule 21F-17. For the avoidance of doubt, I understand that I am not required to disclose any claims, reports, disclosures, or complaints to government agencies (such as the SEC) to the Company.

By executing this Release, I specifically release all claims relating to my employment and its termination under ADEA, a federal statute that, among other things, prohibits discrimination on the basis of age in employment and employee benefit plans.

Notwithstanding the generality of the foregoing, I do not release (i) claims to receive my severance payments and benefits in accordance with the terms of the Agreement, (ii) claims with respect to benefits to which I am entitled under the employee benefit and compensation plans of the Company and its affiliates, including any rights to equity, (iii) claims to indemnification, or (iv) claims that cannot be waived by law. Further, nothing in this Release shall prevent me from (i) initiating or causing to be initiated on my behalf any claim against the Company before any local, state, or federal agency, court, or other body challenging the validity of the waiver of my claims under the ADEA (but no other portion of such waiver); (ii) initiating or participating in an investigation or proceeding conducted by the EEOC; or (iii) reporting possible violations of federal, states, or local law or regulation to any governmental agency (including but not limited to the Department of Justice and the SEC), or making other disclosures to, communicating directly with, responding to an inquiry from, or providing testimony before such governmental agency, regarding possible violations of federal, state, or local law or regulation, without prior notice to the Company.

I acknowledge that I have been given at least [21]/[45] days in which to consider this Release. I acknowledge further that the Company has advised me to consult with an attorney of my choice before signing this Release, and I have had sufficient time to consider the terms of this Release. I represent and acknowledge that if I execute this Release before [21]/[45] days have elapsed, I do so knowingly, voluntarily, and upon the advice and with the approval of my legal counsel (if any), and that I voluntarily waive any remaining consideration period.

I understand that after executing this Release, I have the right to revoke it within seven days after its execution. I understand that this Release will not become effective and enforceable unless the seven-day revocation period passes and I do not revoke the Release in writing. I understand that this Release may not be revoked after the seven (7)-day revocation period has passed. I understand also that any revocation of this Release must be made in writing and delivered to the Company at its principal place of business within the seven (7)-day period.

This Release will become effective, irrevocable, and binding on the eighth day after its execution, so long as I have not timely revoked it as set forth above. I understand and acknowledge that I will not be entitled to the severance payments and benefits unless this Release is effective on or before the date that is sixty (60) days following the date of my termination of employment.

INTD: To be selected based on whether applicable termination was "in connection with an exit incentive or other employment termination program" (as such phrase is defined in the Age Discrimination in Employment Act of 1967).

I hereby agree to waive any and all claims to re-employment with the Company or any of its affiliates and affirmatively agree not to seek further employment with the Company or any of its affiliates.

The provisions of this Release will be binding upon my heirs, executors, administrators, legal representatives, and assigns. If any provision of this Release will be held by any court of competent jurisdiction to be illegal, void, or unenforceable, such provision will be of no force or effect. The illegality or unenforceability of such provision, however, will have no effect upon and will not impair the enforceability of any other provision of this Release.

This Release will be governed in accordance with the laws of the State of Delaware, without reference to the principles of conflicts of law. Any dispute or claim arising out of or relating to this Release or claim of breach hereof will be brought exclusively in the federal and state courts located within Delaware. By execution of this Release, I am waiving any right to trial by jury in connection with any suit, action, or proceeding under or in connection with this Release.

Carrie Lee Kirby

DATE

Exhibit 10.19

AMENDED AND RESTATED EMPLOYMENT AGREEMENT

This AMENDED AND RESTATED EMPLOYMENT AGREEMENT (this "**Agreement**"), dated as of May 5, 2022 (the "**Effective Date**"), is between Vistra Corp., TXU Retail Services Company (together, the "**Company**"), and Scott A. Hudson ("**Executive**").

Recitals:

WHEREAS, the Company and Executive previously entered into an agreement effective as of March 1, 2018 (the "Original Effective Date");

WHEREAS, the Company and Executive subsequently entered into an amended and restated employment agreement (the "Prior Employment Agreement") effective as of March 25, 2020 (the "Second Effective Date"); and

WHEREAS, the Company and Executive desire to amend and restate the Prior Employment Agreement to reflect the terms upon which Executive shall continue to provide services to the Company.

NOW, THEREFORE, in consideration of the premises and covenants contained herein, and intending to be legally bound hereby, the parties to this Agreement hereby agree as follows:

1. Term.

(a) The term of Executive's employment under this Agreement shall be effective as of the Effective Date, and shall continue until the three (3)-year anniversary of the Effective Date (the "Initial Expiration Date"); provided that on the Initial Expiration Date and each subsequent anniversary of the Initial Expiration Date, the term of Executive's employment under this Agreement shall be extended for one (1) additional year unless either party provides written notice to the other party at least sixty (60) days prior to the Initial Expiration Date (or any such anniversary, as applicable) that Executive's employment shall not be so extended (in which case, Executive's employment shall terminate on the Initial Expiration Date or any such anniversary, as applicable); provided, however, that Executive's employment under this Agreement may be terminated at any earlier time pursuant to the provisions of Section 5. The period of time from the Effective Date through the termination of this Agreement and Executive's employment hereunder pursuant to its terms is herein referred to as the "Term"; and the date on which the Term is scheduled to expire (i.e., the Initial Expiration Date or the scheduled expiration of the extended term, if applicable) is herein referred to as the "Expiration Date."

(b) Executive agrees and acknowledges that the Company has no obligation to extend the Term or to continue Executive's employment following the Expiration Date, and Executive expressly acknowledges that no promises or understandings to the contrary have been made or reached.

2. Definitions. For purposes of this Agreement, the following terms, as used herein, shall have the definitions set forth below.

(a) "Affiliate" means, with respect to any specified Person, any other Person that directly or indirectly, through one or more intermediaries, Controls, is Controlled by, or is under common Control with, such specified Person.

(b) "Change in Control" shall be deemed to occur upon any of the following events:

(i) the acquisition by any Person or related "group" (as such term is used in Sections 13(d) and 14(d) of the U.S. Securities Exchange Act of 1934, as amended, and any successor thereto (the "Exchange Act")) of Beneficial Ownership (as defined in Rule 13d-3 promulgated under Section 13 of the Exchange Act) of 30% or more (on a fully diluted basis) of either (A) the then-outstanding shares of the common stock of the Company (the "Common Stock"), including Common Stock issuable upon the exercise of options or warrants, the conversion of convertible stock or debt, and the exercise of any similar right to acquire such Common Stock (the "Outstanding Company Common Stock"); or (B) the combined voting power of the then-outstanding voting securities of the Company entitled to vote in the election of directors (the "Outstanding Company Voting Securities"); but excluding any acquisition by the Company or any of its Affiliates or by any employee benefit plan sponsored or maintained by the Company or any of its Affiliates;

(ii) a change in the composition of the Board such that members of the Board during any consecutive twelve (12)-month period (the "Incumbent Directors") cease to constitute a majority of the Board. Any person becoming a director through election or nomination for election approved by a valid vote of at least two thirds of the Incumbent Directors shall be deemed an Incumbent Director; provided, however, that no individual becoming a director as a result of an actual or threatened election contest, as such terms are used in Rule 14a-12 of Regulation 14A promulgated under the Exchange Act, or as a result of any other actual or threatened solicitation of proxies or consents by or on behalf of any person other than the Board shall be deemed an Incumbent Director;

(iii) the approval by the shareholders of the Company of a plan of complete dissolution or liquidation of the Company; or

(iv) the consummation of a reorganization, recapitalization, merger, consolidation, statutory share exchange or similar form of corporate transaction involving the Company (a "Business Combination"), or sale, transfer or other disposition of all or substantially all of the business or assets of the Company to an entity that is not an Affiliate of the Company (a "Sale"), unless immediately following such Business Combination or Sale: (A) more than 50% of the total voting power of the entity resulting from such Business Combination or the entity that acquired all or substantially all of the business or assets of the Company in such Sale (in either case, the "Surviving Company"), or the ultimate parent entity that has Beneficial Ownership of sufficient voting power to elect a majority of the board of directors (or analogous governing body)

of the Surviving Company (the “Parent Company”), is represented by the Outstanding Company Voting Securities that were outstanding immediately prior to such Business Combination or Sale (or, if applicable, is represented by shares into which the Outstanding Company Voting Securities were converted pursuant to such Business Combination or Sale), and such voting power among the holders thereof is in substantially the same proportion as the voting power of the Outstanding Company Voting Securities among the holders thereof immediately prior to the Business Combination or Sale, (B) no Person or related group of Persons (other than any employee benefit plan sponsored or maintained by the Surviving Company or the Parent Company) is or becomes the beneficial owner, directly or indirectly, of 50% or more of the total voting power of the outstanding voting securities eligible to elect members of the board of directors (or the analogous governing body) of the Parent Company (or, if there is no Parent Company, the Surviving Company) and (C) at least a majority of the members of the board of directors (or the analogous governing body) of the Parent Company (or, if

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there is no Parent Company, the Surviving Company) following the consummation of the Business Combination or Sale were Board members at the time of the Board's approval of the execution of the initial agreement providing for such Business Combination or Sale.

(c) “Cause” means (i) Executive's willful and continued failure to perform Executive's duties with the Company; (ii) Executive's willful and continued failure to follow and comply with the written policies of the Company as in effect from time to time; (iii) Executive's willful commission of an act of fraud or dishonesty resulting in economic or financial injury to the Company; (iv) Executive's willful engagement in illegal conduct or gross misconduct; (v) Executive's willful breach of this Agreement; or (vi) Executive's indictment for, conviction of, or a plea of guilty or nolo contendere to any felony or other crime involving moral turpitude. No act or failure to act will be treated as willful if it is done, or omitted to be done, by Executive in good faith and with a good faith belief that such act or omission was in the best interests of the Company.

(d) “Control” (including, with correlative meanings, the terms “Controlled by” and “under common Control with”), as used with respect to any Person, means the direct or indirect possession of the power to direct or cause the direction of the management or policies of such Person, whether through the ownership of voting securities or by contract.

(e) “Disability” means Executive would be entitled to long-term disability benefits under the Company's long-term disability plan as in effect from time to time, without regard to any waiting or elimination period under such plan and assuming for the purpose of such determination that Executive is actually participating in such plan at such time. If the Company does not maintain a long-term disability plan, “Disability” means Executive's inability to perform Executive's duties and responsibilities hereunder on a full-time basis for a consecutive period of one hundred eighty (180) days due to physical or mental illness or incapacity that is determined to be total and permanent by a physician selected by the Company or its insurers and reasonably acceptable to Executive or Executive's legal representative.

(f) “Good Reason” means the occurrence, without the consent of Executive, of either of the following events: (i) any material diminution of, or modification to, Executive's title, duties, responsibilities, authorities, or terms of employment set forth in Section 3 or (ii) any breach by the Company of any of its material obligations to Executive. Prior to resigning for Good Reason, Executive shall give written notice to the Company of the facts and circumstances claimed to provide a basis for such resignation not more than sixty (60) days following Executive's knowledge of such facts and circumstances, and the Company shall have ten (10) business days after receipt of such notice to cure (and if so cured, Executive shall not be permitted to resign for Good Reason in respect thereof) and Executive shall resign within ten (10) business days following the Company's failure to cure.

(g) “Person” means any individual, firm, corporation, partnership, limited liability company, trust, joint venture, association, unincorporated entity, or other entity.

3. Duties and Responsibilities. The Company employs Executive, and Executive accepts employment, subject to the terms and conditions contained herein, during the Term, as Executive Vice President and President of Vistra Retail. During the Term, Executive agrees to be employed by and devote all of Executive's business time and attention to the Company and the promotion of its interests and to use Executive's best efforts to faithfully and diligently serve the Company; provided, however, that, to the extent that such activities do not significantly interfere with the performance of Executive's duties, services, and responsibilities under this Agreement, Executive shall be permitted to (a) manage Executive's personal, financial, and legal affairs, (b) serve on civic or charitable boards and committees of such boards

and (c) to the extent approved by the Board of Directors of the Company (the "Board") pursuant to a duly authorized resolution of the Board, serve on corporate boards and committees of such boards. Executive will report to the Chief Executive Officer. Executive will perform such lawful duties and responsibilities as are commensurate with Executive's title and position, and such other duties and responsibilities commensurate with Executive's title and position as may be reasonably requested by the Chief Executive Officer and the Board from time to time. Executive will have the authority customarily exercised by an individual serving as a President of a business unit of a corporation of the size and nature of the Company. Executive's place of employment will be in Irving, Texas.

4. Compensation and Related Matters. (a) Base Salary. During the Term, Executive shall receive an aggregate annual base salary ("Base Salary") at an initial rate of \$609,000.00, payable in accordance with the Company's applicable payroll practices. Base Salary shall be reviewed annually by the Board and increased (but not decreased) in the Board's sole discretion. References in this Agreement to Base Salary shall be deemed to refer to the most recently effective annual base salary rate.

(b) Annual Bonus. During the Term, Executive shall be eligible to receive a cash bonus (the "Annual Bonus") for each year (or portion thereof), provided that, except as otherwise provided herein, Executive has remained employed by the Company as of the applicable payment date. Executive's target bonus opportunity for any particular year (the "Target Bonus") shall be 90% of Base Salary, and Executive's maximum bonus opportunity shall be 200% of the Target Bonus. The Annual Bonus shall be subject to performance metrics approved by the Board based on key short-term objectives and shall be at the full discretion of the Board. Any Annual Bonus shall be paid in the fiscal year following the fiscal year to which such Annual Bonus relates, at the same as annual bonuses are paid to all other senior executives.

(c) Equity Compensation. Executive shall be entitled to receive equity compensation awards as described in Exhibit A.

(d) Benefits and Perquisites. During the Term, Executive shall be entitled to participate in the benefit plans and programs and receive perquisites that are provided by the Company from time to time for its senior executives generally, subject to the terms and conditions of such plans and programs, as they may be amended from time to time, and commensurate with Executive's position. During the Term, Executive shall be entitled to up to \$15,000 per year for tax and financial planning.

(e) Business Expense Reimbursements. During the Term, the Company shall promptly reimburse Executive for Executive's reasonable and necessary business expenses in accordance with the Company's then-prevailing policies and procedures for expense reimbursement (which shall include appropriate itemization and substantiation of expenses incurred).

(f) Indemnification. The Company shall indemnify and hold harmless Executive, to the fullest extent permitted by law and the Company's governing documents, against all claims, expenses, damages, liabilities, and losses incurred by Executive (whether before or after the Original Effective Date) by reason of the fact that Executive is or was, or had agreed to become, a consultant, director, officer, employee, agent, or fiduciary of the Company or any of its subsidiaries or Affiliates or predecessors of any of the foregoing, or any benefit plan of any of the foregoing, or is or was serving at the request of the Company as a consultant, director, officer, partner, venturer, proprietor, trustee, employee, agent, fiduciary, or similar functionary of another corporation, partnership, joint venture, business, person, trust, employee benefit plan, or other entity. The Company shall provide Executive with customary directors' and officers' liability insurance coverage both during and after the Term with regard to matters

occurring during employment or while otherwise providing services to, or serving at the request of, the Company or any of its subsidiaries or Affiliates, or any benefit plan of any of the foregoing, which coverage shall be at a level at least equal to the greatest level being maintained at such time for any

current officer or director and shall continue until such time as suits can no longer be brought against Executive as a matter of law. Executive will be entitled to advancement of expenses in connection with any claim in the same manner and to the same extent to which any other officer or director of the Company is entitled. Notwithstanding the foregoing, the Company shall not be required to indemnify or advance expenses to Executive in connection with (i) any dispute in connection with this Agreement or Executive's employment hereunder; (ii) any action, claim, or proceeding initiated by Executive against the Company unless such action, claim, or proceeding is approved in advance by the Board in writing; or (iii) any liabilities, damages, claims or expenses incurred that are attributable to Executive's fraud, bad faith, willful misconduct, or gross negligence.

5. Termination of Employment. (a) Executive's employment under this Agreement may be terminated by either party at any time and for any reason; provided, however, that Executive shall be required to give the Company at least sixty (60) days' advance written notice of any voluntary resignation of Executive's employment hereunder (other than resignation for Good Reason) (and in such event the Company in its sole discretion may elect to accelerate Executive's date of termination of employment, it being understood that such termination shall still be treated as a voluntary resignation without Good Reason for purposes of this Agreement). Notwithstanding the foregoing, Executive's employment shall terminate automatically upon Executive's death.

(b) Following any termination of Executive's employment under this Agreement, except as provided under Sections 5(c), 5(d), and 5(e), the obligations of the Company to pay or provide Executive with compensation and benefits under Section 4 shall cease, and the Company shall have no further obligations to provide compensation or benefits to Executive hereunder, except (i) for payment of any accrued but unpaid Base Salary and any accrued but unused vacation and for payment of any unreimbursed business expenses under Section 4(e), in each case accrued or incurred through the date of termination of employment, payable as soon as practicable and in all events within thirty (30) days following the date of termination of employment, (ii) as explicitly set forth in any other benefit plans, programs, or arrangements applicable to terminated employees in which Executive participates (including, without limitation, equity award agreements), other than severance plans or policies (including severance benefits following a Change in Control), and (iii) as otherwise expressly required by applicable law. For the avoidance of doubt, except as otherwise provided below, any Unpaid Annual Bonus (as defined below) is forfeited if Executive's employment is terminated for any reason.

(c) If Executive's employment under this Agreement is terminated (i) by the Company without Cause (other than due to death or Disability), (ii) by Executive for Good Reason, or (iii) due to expiration of the Term on the Expiration Date as a result of the Company delivering a notice of non-renewal as contemplated by Section 1, in addition to the payments and benefits specified in Section 5(b), Executive shall be entitled to receive: (i) severance pay in an aggregate amount (the "Severance Pay") equal to, two times (2x) the sum of (A) Base Salary plus (B) Target Bonus; (ii) a prorated Annual Bonus in respect of the fiscal year of termination equal to the product of (x) the amount of Annual Bonus that would have been payable to Executive had Executive's employment not so terminated based on actual performance measured through the fiscal year of termination, and (y) a fraction, the numerator of which is the number of days elapsed in the Company's fiscal year in which the termination occurs through such termination and the denominator of which is the number of days in such fiscal year (the "Prorated Bonus"); (iii) any accrued but unpaid Annual Bonus in respect of the fiscal year prior to the fiscal year of termination (the "Unpaid Annual Bonus"); and (iv)

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continued health insurance benefits under the terms of the applicable Company benefit plans for twenty-four (24) months, subject to Executive's payment of the cost of such benefits to the same extent that active employees of the Company are required to pay for such benefits from time to time; provided, however, that, such continuation coverage shall end earlier upon Executive's becoming eligible for comparable coverage under another employer's benefit plans; and provided, further, that, to the extent that the provision of such continuation coverage is not permitted under the terms of the Company benefit plans or would result in an adverse tax consequence to the Company, the Company may alternatively provide Executive with a monthly cash payment in an amount equal to the applicable COBRA premium that Executive would otherwise be required to pay to obtain COBRA continuation coverage for such benefits for twenty-four (24) months (assuming that COBRA continuation coverage were available for such period) (minus the cost of such benefits to the same extent that active employees of the Company are required to pay for such benefits from time to time) (the "Healthcare Severance Benefits"), commencing as provided in Section 23(c). The Severance Pay shall be paid in equal installments during the twenty-four (24)-month period following Executive's termination in accordance with the Company's regular payroll practices, but no less frequently than monthly, and commencing as provided in Section 23(c) below. The Unpaid Annual Bonus shall be paid on the date bonuses are paid to other executives during the fiscal year of Executive's termination and the Prorated Bonus shall be paid on the date bonuses are paid to other executives of the Company in the year following the fiscal year of Executive's termination.

(d) Notwithstanding anything herein to the contrary, if at any time within eighteen (18) months following a Change in Control, Executive's employment under this Agreement is terminated (i) by the Company without Cause (other than due to death or Disability), (ii) by Executive for Good Reason, or (iii) due to expiration of the Term on the Expiration Date as a result of the Company delivering a notice of non-renewal as contemplated by [Section 1](#), then Executive, in lieu of any of the amounts and benefits described in [Section 5\(c\)](#), and in addition to the payments and benefits specified in [Section 5\(b\)](#), shall be entitled to receive (i) the Unpaid Annual Bonus, (ii) 2.99 times the sum of (A) Base Salary plus (B) Target Bonus (the "CIC Severance Pay"), (iii) the product of (x) the Target Bonus, and (y) a fraction, the numerator of which is the number of days elapsed in the Company's fiscal year in which the termination occurs through such termination and the denominator of which is the number of days in such fiscal year (the "Prorated CIC Bonus"), and (iv) the Healthcare Severance Benefits for twenty-four (24) months (as described above and commencing as provided in [Section 23\(c\)](#)). The CIC Severance Pay and the Prorated CIC Bonus shall be paid in cash in a lump sum on the first payroll following the satisfaction of the Release Condition, subject to [Section 23\(c\)](#); provided, however, if the Change in Control does not constitute a "change in the ownership or effective control of the corporation, or in the ownership of a substantial portion of the assets of the corporation" within the meaning of Section 409A(a)(2)(A)(v) of the Internal Revenue Code of 1986, as amended (the "Code"), the portion of the CIC Severance Pay that is not in excess of the Severance Pay that would have been payable upon such termination if [Section 5\(c\)](#) applied shall be paid to Executive in equal monthly installments during the twenty-four (24)-month period following Executive's termination in accordance with the Company's regular payroll practices, but no less frequently than monthly, and commencing as provided in [Section 23\(c\)](#) below, and the portion of the CIC Severance Pay in excess of such amount shall be paid to Executive in a lump sum sixty (60) days after the consummation of the Change in Control. The Unpaid Annual Bonus shall be paid on the date bonuses are paid to other executives during the fiscal year of Executive's termination.

(e) If Executive's employment under this Agreement is terminated due to death or Disability, in addition to the payments and benefits specified in [Section 5\(b\)](#), Executive shall be entitled to receive (i) the Prorated Bonus, paid on the date bonuses are paid to other executives of the Company in the year following the fiscal year of Executive's termination,

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and (ii) the Unpaid Annual Bonus, paid on the date bonuses are paid to other executives of the Company in the fiscal year of Executive's termination.

(f) Executive's entitlement to the payments and benefits set forth in [Sections 5\(c\)](#) and [5\(d\)](#) shall be conditioned upon Executive's having provided an irrevocable waiver and release of claims in favor of the Company, its Affiliates, their respective predecessors and successors, and all of the respective current or former directors, officers, employees, shareholders, partners, members, agents, or representatives of any of the foregoing (collectively, the "Released Parties"), substantially in the form attached hereto as [Exhibit B](#) (the "Release"), that has become effective in accordance with its terms within sixty (60) days following Executive's termination of employment (the "Release Condition"), and Executive's continued compliance with [Sections 6](#) and [7](#) hereof.

(g) Upon termination of Executive's employment for any reason, and regardless of whether Executive continues as a consultant to the Company, upon the Company's request Executive agrees to resign, as of the date of such termination of employment or such other date requested, from the Board and any committees thereof, and, if applicable, from the board of directors (and any committees thereof) of any Affiliate of the Company to the extent Executive is then serving thereon. The Company's obligations to make the payments provided for in this Agreement are subject to set-off for any undisputed amounts owed by Executive, to the extent permitted by Section 409A (as defined below) and any Company clawback policy.

(h) The payment of any amounts accrued under any benefit plan, program, or arrangement in which Executive participates shall be subject to the terms of the applicable plan, program, or arrangement, and any elections Executive has made thereunder.

(i) Following any termination of Executive's employment, Executive shall have no obligation to seek other employment or take any other action by way of mitigation of the amounts payable to Executive under any of the provisions of this Agreement. There shall be no offset against amounts due Executive under this Agreement on account of any remuneration attributable to later employment, consultancy, or other remunerative activity of Executive.

6. Confidential Information.

(a) Executive acknowledges that the Company and its Affiliates continually develop Confidential Information (as defined below), that Executive may develop Confidential Information for the Company or its Affiliates and that Executive may learn of Confidential Information during the course of Executive's employment. Executive will comply with the policies and procedures of the Company and its Affiliates for protecting Confidential Information and shall not disclose to any Person or use, other than as required by applicable law or for the proper performance of Executive's duties and responsibilities to the Company and its Affiliates, any Confidential Information obtained by Executive incident to Executive's employment or other association with the Company or any of its Affiliates. Executive understands that this restriction shall continue to apply after Executive's employment terminates, regardless of the reason for such termination.

(b) All documents, records, tapes, and other media of every kind and description relating to the business, present or otherwise, of the Company or its Affiliates and any copies, in whole or in part, thereof (the "Documents"), whether or not prepared by Executive, shall be the sole and exclusive property of the Company and its Affiliates. Executive shall safeguard all Documents and shall surrender to the Company at the time Executive's employment terminates, or at such earlier time or times as the Company may specify, all Documents then in Executive's possession or control. Executive shall immediately return such

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Documents and other property to the Company upon the termination of Executive's employment and, in any event, at the Company's request. Executive further agrees that any property situated on the premises of, and owned by, the Company or its Affiliates, including disks and other storage media, filing cabinets, or other work areas, is subject to inspection by the Company's personnel at any time with or without notice.

(c) Executive understands that, notwithstanding anything to the contrary contained herein, no provision of this Agreement will be interpreted so as to impede Executive (or any other individual) from (i) making any disclosure of relevant and necessary information or documents in any action, investigation, or proceeding relating to this Agreement, or as required by law or legal process, including with respect to possible violations of law, (ii) participating, cooperating, or testifying in any action, investigation, or proceeding with, or providing information to, any governmental agency, legislative body or any self-regulatory organization, including, but not limited to, the Department of Justice, the Securities and Exchange Commission, the Congress, and any agency Inspector General, (iii) accepting any U.S. Securities and Exchange Commission Awards, or (iv) making other disclosures under the whistleblower provisions of federal law or regulation. In addition, nothing in this Agreement or any other agreement or Company policy prohibits or restricts Executive from initiating communications with, or responding to any inquiry from, any administrative, governmental, regulatory or supervisory authority regarding any good faith concerns about possible violations of law or regulation. Executive does not need the prior authorization of the Company to make any such reports or disclosures and Executive will not be required to notify the Company that such reports or disclosures have been made.

(d) "Confidential Information" means any and all information of the Company and its Affiliates that is not generally known by others with whom they compete or do business, or with whom any of them plans to compete or do business and any and all information, publicly known in whole or in part or not, which, if disclosed by the Company or its Affiliates would assist in competition against them. Confidential Information includes, without limitation, such information relating to (i) the development, research, testing, manufacturing, marketing and financial activities of the Company and its Affiliates, (ii) all products planned, researched, developed, tested, manufactured, sold, licensed, leased or otherwise distributed or put into use by the Company and its Affiliates, together with all services provided or planned by the Company or any of its Affiliates, during Executive's employment, (iii) the costs, sources of supply, financial performance and strategic plans of the Company and its Affiliates, (iv) the identity and special needs of the customers of the Company and its Affiliates and (v) the people and organizations with whom the Company and its Affiliates have business relationships and those relationships. Confidential Information also includes any information that the Company or any of its Affiliates have received, or may receive hereafter, belonging to customers or others with any understanding, express or implied, that the information would not be disclosed.

7. Restricted Activities. Executive agrees that some restrictions on Executive's activities during and after Executive's employment are necessary to protect the goodwill, Confidential Information, and other legitimate interests of the Company and its Affiliates. Following the Effective Date, the Company will provide Executive with access to and knowledge of Confidential Information and trade secrets and will place Executive in a position of trust and confidence with the Company, and Executive will benefit from the Company's goodwill. The restrictive covenants below are necessary to protect the Company's legitimate business interests in its Confidential Information, trade secrets and goodwill. Executive further understands and acknowledges that the Company's ability to reserve these for the exclusive knowledge and use of the Company is of great

competitive importance and commercial value to the Company and that the Company would be irreparably harmed if Executive violates the restrictive covenants below. In recognition of the consideration provided to Executive as well as

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the imparting to Executive of Confidential Information, including trade secrets, and for other good and valuable consideration, Executive hereby agrees as follows:

(a) While Executive is employed by the Company and for twenty-four (24) months after Executive's employment terminates for any reason, whether before or after the Expiration Date (in the aggregate, the "Non-Competition Period"), Executive shall not, directly or indirectly, whether as owner, partner, investor (other than a passive investor of less than 5% in a publicly traded company), consultant, agent, employee, co-venturer, or otherwise, (i) compete with the business of the Company or any of its subsidiaries in any location where the Company or its subsidiaries conducts business (a "Competitive Business") or (ii) undertake any planning for any Competitive Business. With respect to the portion of the Non-Competition Period that follows Executive's termination of employment, the determination of whether a business is a Competitive Business shall be made based on the scope and location of the businesses conducted or planned to be conducted by the Company and its subsidiaries as of the date of such termination.

(b) Executive agrees that, during Executive's employment with the Company, Executive will not undertake any outside activity, whether or not competitive with the business of the Company or its Affiliates, that would reasonably give rise to a conflict of interest or otherwise interfere with Executive's duties and obligations to the Company or any of its Affiliates.

(c) Executive further agrees that, during the Non-Competition Period, Executive will not solicit, hire, or attempt to solicit or hire any employee of the Company or any of its Affiliates (or any individual who was employed by the Company or any of its Affiliates during the one (1)-year period prior to Executive's termination), assist in such hiring by any Person, encourage any such employee to terminate his or her relationship with the Company or any of its Affiliates, or solicit or encourage any customer, client, or vendor of the Company or any of its Affiliates to terminate or diminish its relationship with them, or, in the case of a customer, to conduct with any Person any business or activity which such customer conducts with the Company or any of its Affiliates.

(d) Executive shall not, whether in writing or orally, malign, denigrate, or disparage the Company or its Affiliates, or their respective predecessors and successors, or any of the current or former directors, officers, employees, shareholders, partners, members, agents, or representatives of any of the foregoing, with respect to any of their respective past or present activities, or otherwise publish (whether in writing or orally) statements that tend to portray any of the aforementioned parties in an unfavorable light. The Company shall direct its directors and officers not to, whether in writing or orally, malign, denigrate, or disparage Executive with respect to any of Executive's past or present activities, or otherwise publish (whether in writing or orally) statements that are intended to portray Executive in an unfavorable light.

(e) Executive's and the Company's obligations under this Section 7, as applicable, shall continue beyond the termination of Executive's employment with the Company.

8. Notification Requirement. Through and up to the conclusion of the Non-Competition Period, Executive shall give notice to the Company of each new business activity he plans to undertake, at least seven (7) days prior to beginning any such activity. Such notice shall state the name and address of the Person for whom such activity is undertaken and the nature of Executive's business relationship(s) and position(s) with such Person.

9. Intellectual Property Rights. (a) Executive agrees that the results and proceeds of Executive's services for the Company (including, but not limited to, any trade

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secrets, products, services, processes, know-how, designs, developments, innovations, analyses, drawings, reports, techniques, formulas, methods, developmental or experimental work, improvements, discoveries, inventions, ideas, source and object codes, programs, writing and other works of authorship) resulting from services performed while an employee of the Company and any works in progress, whether or not patentable or registrable under copyright or similar statutes, that were made, developed, conceived, or reduced to practice or learned by Executive, either alone or jointly with others (collectively, "Inventions"), shall be works-made-for-hire and the Company shall be deemed the sole owner throughout the universe of any and all trade secret, patent, copyright, and other intellectual property rights (collectively, "Proprietary Rights") of whatsoever nature therein, whether or not now or hereafter known, existing, contemplated, recognized, or developed, with the right to use the same in perpetuity in any manner the Company determines in its sole discretion, without any further payment to Executive whatsoever. If, for any reason, any of such results and proceeds shall not legally be a work-made-for-hire and/or there are any Proprietary Rights which do not accrue to the Company under the immediately preceding sentence, then Executive hereby irrevocably assigns and agrees to assign any and all of Executive's right, title, and interest thereto, including any and all Proprietary Rights of whatsoever nature therein, whether or not now or hereafter known, existing, contemplated, recognized, or developed, to the Company, and the Company shall have the right to use the same in perpetuity throughout the universe in any manner determined by the Company without any further payment to Executive whatsoever. As to any Invention that Executive is required to assign, Executive shall promptly and fully disclose to the Company all information known to Executive concerning such Invention.

(b) Executive agrees that, from time to time, as may be requested by the Company and at the Company's sole cost and expense, Executive shall do any and all things that the Company may reasonably deem useful or desirable to establish or document the Company's exclusive ownership throughout the United States of America or any other country of any and all Proprietary Rights in any such Inventions, including the execution of appropriate copyright and patent applications or assignments. To the extent that Executive has any Proprietary Rights in the Inventions that cannot be assigned in the manner described above, Executive unconditionally and irrevocably waives the enforcement of such Proprietary Rights. This Section 9(b) is subject to and shall not be deemed to limit, restrict, or constitute any waiver by the Company of any Proprietary Rights of ownership to which the Company may be entitled by operation of law by virtue of the Company's being Executive's employer. Executive shall execute, verify, and deliver such documents and perform such other acts (including appearances as a witness) as the Company may reasonably request for use in applying for, obtaining, perfecting, evidencing, sustaining, and enforcing such Proprietary Rights and the assignment thereof. In addition, Executive shall execute, verify, and deliver assignments of such Proprietary Rights to the Company or its designees. Executive's obligations under this Section 9 shall continue beyond the termination of Executive's employment with the Company.

(c) 18 U.S.C. § 1833(b) provides: "An individual shall not be held criminally or civilly liable under any federal or state trade secret law for the disclosure of a trade secret that—(i) is made—(A) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (B) solely for the purpose of reporting or investigating a suspected violation of law; or (ii) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal." Nothing in this Agreement is intended to conflict with 18 U.S.C. § 1833(b) or create liability for disclosures of trade secrets that are expressly allowed by 18 U.S.C. § 1833(b). Accordingly, the parties to this Agreement have the right to disclose in confidence trade secrets to federal, state, and local government officials, or to an attorney, for the sole purpose of reporting or investigating a suspected violation of law. The parties also have the right to disclose trade secrets in a document filed in a lawsuit or other proceeding, but only if the filing is made under seal and protected from public disclosure.

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(d) Executive hereby waives and quitclaims to the Company any and all claims, of any nature whatsoever, that Executive now or may hereafter have for infringement of any Proprietary Rights assigned hereunder to the Company.

10. Remedies and Injunctive Relief. Executive acknowledges that a violation by Executive of any of the covenants contained in Sections 6, 7, 8, or 9 would cause irreparable damage to the Company in an amount that would be material but not readily ascertainable, and that any remedy at law (including the payment of damages) would be inadequate. Accordingly, Executive agrees that, notwithstanding any provision of this Agreement to the contrary, the Company shall be entitled (without the necessity of showing economic loss or other actual damage) to injunctive relief (including temporary restraining orders, preliminary injunctions, and permanent injunctions) in any court of competent jurisdiction for any actual or threatened breach of any of the covenants set forth in Sections 6, 7, 8, or 9 in addition to any other legal or equitable remedies it may have. The

preceding sentence shall not be construed as a waiver of the rights that the Company may have for damages under this Agreement or otherwise, and all of the Company's rights shall be unrestricted.

11. Representations; Advice of Counsel. (a) Executive represents, warrants, and covenants that as of the date hereof: (i) Executive has the full right, authority, and capacity to enter into this Agreement and perform Executive's obligations hereunder, (ii) Executive is not bound by any agreement that conflicts with or prevents or restricts the full performance of Executive's duties and obligations to the Company hereunder during or after the Term, and (iii) the execution and delivery of this Agreement shall not result in any breach or violation of, or a default under, any existing obligation, commitment, or agreement to which Executive is subject.

(b) Prior to execution of this Agreement, Executive was advised by the Company of Executive's right to seek independent advice from an attorney of Executive's own selection regarding this Agreement. Executive acknowledges that Executive has entered into this Agreement knowingly and voluntarily and with full knowledge and understanding of the provisions of this Agreement after being given the opportunity to consult with counsel. Executive further represents that in entering into this Agreement, Executive is not relying on any statements or representations made by any of the Company's directors, officers, employees, or agents that are not expressly set forth herein, and that Executive is relying only upon Executive's own judgment and any advice provided by Executive's attorney.

(c) The Company represents, warrants, and covenants that as of the date hereof: (i) the Company has the full right, authority, and capacity to enter into this Agreement and perform the Company's obligations hereunder, (ii) the Company is not bound by any agreement that conflicts with or prevents or restricts the full performance of the Company's obligations to Executive hereunder during or after the Term, and (iii) the execution and delivery of this Agreement shall not result in any breach or violation of, or a default under, any existing obligation, commitment, or agreement to which the Company is subject.

12. Cooperation. Executive agrees that, upon reasonable notice and without the necessity of the Company's obtaining a subpoena or court order, Executive shall provide reasonable cooperation in connection with any suit, action, or proceeding (or any appeal from any suit, action, or proceeding), and any investigation or defense of any claims asserted against the Company or its Affiliates, that relates to events occurring during Executive's employment with the Company and its Affiliates as to which Executive may have relevant information (including but not limited to furnishing relevant information and materials to the Company or its designee and providing testimony at depositions and at trial); provided that with respect to such cooperation occurring following termination of employment, the Company shall reimburse Executive for expenses reasonably incurred in connection therewith.

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13. Withholding. The Company may deduct and withhold from any amounts payable under this Agreement such federal, state, local, non-U.S., and other taxes as are required to be withheld pursuant to any applicable law or regulation.

14. Assignment. Neither the Company nor Executive may make any assignment of this Agreement or any interest herein, by operation of law or otherwise, without the prior written consent of the other party; provided, that the Company may assign its rights under this Agreement without the consent of Executive to a successor to substantially all of the business of the Company in the event that the Company shall effect a reorganization, consolidate with or merge into any other corporation, partnership, organization, or other entity, or transfer all or substantially all of its properties or assets to any other corporation, partnership, organization, or other entity. This Agreement shall inure to the benefit of and be binding upon the Company and Executive, and their respective successors, executors, administrators, heirs, and permitted assigns.

15. Governing Law; No Construction Against Drafter. This Agreement shall be deemed made in the State of Delaware, and the validity, interpretation, construction, and performance of this Agreement in all respects shall be governed by the laws of the State of Delaware without regard to its principles of conflicts of law. No provision of this Agreement or any related document will be construed against or interpreted to the disadvantage of any party hereto by any court or other governmental or judicial authority by reason of such party's having or being deemed to have structured or drafted such provision.

16. Consent to Jurisdiction; Waiver of Jury Trial. (a) Except as otherwise specifically provided herein, Executive and the Company each hereby irrevocably submit to the exclusive jurisdiction of the federal courts located within the State of Delaware (or, if subject matter jurisdiction in such courts are not available, in any state court located within the State of Delaware) over any dispute arising out of or relating to this Agreement.

Except as otherwise specifically provided in this Agreement, the parties undertake not to commence any suit, action or proceeding arising out of or relating to this Agreement in a forum other than a forum described in this [Section 16\(a\)](#); provided, however, that nothing herein shall preclude either party from bringing any suit, action, or proceeding in any other court for the purpose of enforcing the provisions of this [Section 16](#) or enforcing any judgment obtained by either party.

(b) The agreement of the parties to the forum described in [Section 16\(a\)](#) is independent of the law that may be applied in any suit, action, or proceeding, and the parties agree to such forum even if such forum may under applicable law choose to apply non-forum law. The parties hereby waive, to the fullest extent permitted by applicable law, any objection which they now or hereafter have to personal jurisdiction or to the laying of venue of any such suit, action, or proceeding brought in an applicable court described in [Section 16\(a\)](#), and the parties agree that they shall not attempt to deny or defeat such personal jurisdiction by motion or other request for leave from any such court. The parties agree that, to the fullest extent permitted by applicable law, a final and non-appealable judgment in any suit, action, or proceeding brought in any applicable court described in [Section 16\(a\)](#) shall be conclusive and binding upon the parties and may be enforced in any other jurisdiction.

(c) The parties hereto irrevocably consent to the service of any and all process in any suit, action, or proceeding arising out of or relating to this Agreement by the mailing of copies of such process to such party at such party's address specified in [Section 20](#).

(d) Each party hereto hereby waives, to the fullest extent permitted by applicable law, any right it may have to a trial by jury in respect of any suit, action, or proceeding arising out of or relating to this Agreement. Each party hereto (i) certifies that no representative, agent, or attorney of any other party has represented, expressly or otherwise, that

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such party would not, in the event of any action, suit, or proceeding, seek to enforce the foregoing waiver, and (ii) acknowledges that it and the other party hereto has been induced to enter into this Agreement by, among other things, the mutual waiver and certifications in this [Section 16\(d\)](#).

(e) Each party shall bear his or her or its own costs and expenses (including reasonable attorneys' fees and expenses) incurred in connection with any dispute arising out of or relating to this Agreement.

17. Amendment; No Waiver; Severability. (a) No provisions of this Agreement may be amended, modified, waived, or discharged except by a written document signed by Executive and a duly authorized officer of the Company (other than Executive). The failure of a party to insist upon strict adherence to any term of this Agreement on any occasion shall not be considered a waiver of such party's rights or deprive such party of the right thereafter to insist upon strict adherence to that term or any other term of this Agreement. No failure or delay by either party in exercising any right or power hereunder will operate as a waiver thereof, nor will any single or partial exercise of any such right or power, or any abandonment of any steps to enforce such a right or power, preclude any other or further exercise thereof or the exercise of any other right or power.

(b) If any term or provision of this Agreement is invalid, illegal, or incapable of being enforced by any applicable law or public policy, all other conditions and provisions of this Agreement shall nonetheless remain in full force and effect so long as the economic and legal substance of the transactions contemplated by this Agreement is not affected in any manner materially adverse to any party; provided that in the event that any court of competent jurisdiction shall finally hold in a non-appealable judicial determination that any provision of [Sections 6](#) through [10](#) (whether in whole or in part) is void or constitutes an unreasonable restriction against Executive, such provision shall not be rendered void but shall be deemed modified to the minimum extent necessary to make such provision enforceable for the longest duration and the greatest scope as such court may determine constitutes a reasonable restriction under the circumstances. Subject to the foregoing, upon such determination that any term or other provision is invalid, illegal, or incapable of being enforced, the parties hereto shall negotiate in good faith to modify this Agreement so as to effect the original intent of the parties as closely as possible in a mutually acceptable manner in order that the transactions contemplated hereby be consummated as originally contemplated to the fullest extent possible.

18. Entire Agreement. This Agreement constitutes the entire agreement and understanding between the Company and Executive with respect to the subject matter hereof and supersedes all prior agreements and understandings (whether written or oral), between Executive and the Company, relating to such subject matter. None of the parties shall be liable or bound to any other party in any manner by any representations and warranties or covenants relating to such subject matter except as specifically set forth herein.

19. Survival. The rights and obligations of the parties under the provisions of this Agreement shall survive, and remain binding and enforceable, notwithstanding the expiration of the Term, the termination of this Agreement, the termination of Executive's employment hereunder or any settlement of the financial rights and obligations arising from Executive's employment hereunder, to the extent necessary to preserve the intended benefits of such provisions.

20. Notices. All notices or other communications required or permitted to be given hereunder shall be in writing and shall be delivered by hand or sent by facsimile or sent, postage prepaid, by registered, certified, or express mail or overnight courier service and shall be deemed given when so delivered by hand or facsimile, or if mailed, three days after mailing (one

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(1) business day in the case of express mail or overnight courier service) to the parties at the following addresses or facsimiles (or at such other address for a party as shall be specified by like notice):

If to the Company: Vistra Corp.

Attn: Corporate Secretary
6555 Sierra Drive
Irving, TX 75039

If to Executive: At the most recent address on file in the Company's records.

Notices delivered by facsimile shall have the same legal effect as if such notice had been delivered in person.

21. Headings and References. The headings of this Agreement are inserted for convenience only, and neither constitute a part of this Agreement nor affect in any way the meaning or interpretation of this Agreement. When a reference in this Agreement is made to a Section, such reference shall be to a Section of this Agreement unless otherwise indicated.

22. Counterparts. This Agreement may be executed in one or more counterparts (including via electronic image scan (.pdf)), each of which shall be deemed to be an original, but all of which together shall constitute one and the same instrument and shall become effective when one or more counterparts have been signed by each of the parties and delivered to the other parties.

23. Section 409A.(a) For purposes of this Agreement, "Section 409A" means Section 409A of the Code, and the Treasury Regulations promulgated thereunder (and such other Treasury or Internal Revenue Service guidance) as in effect from time to time. The parties intend that any amounts payable hereunder that could constitute "deferred compensation" within the meaning of Section 409A will be compliant with Section 409A or exempt from Section 409A.

(b) Notwithstanding anything in this Agreement to the contrary, the following special rule shall apply, if and to the extent required by Section 409A, in the event that (i) Executive is deemed to be a "specified employee" within the meaning of Code Section 409A(a)(2)(B)(i) (as determined in accordance with the methodology established by the Company as in effect on the date of Executive's "separation from service" (within the meaning of Treasury Regulations § 1.409A-1(h))), (ii) amounts or benefits under this Agreement or any other program, plan, or arrangement of the Company or a controlled group affiliate thereof are due or payable on account of separation from service, and (iii) Executive is employed by a public company or a controlled group affiliate thereof: payments hereunder that are "deferred compensation" subject to Section 409A that would be made to Executive prior to the date that is six (6) months after the date of Executive's separation from service shall be made within ten (10) business days after such six (6)-month date or, if earlier, ten (10) days following the date of Executive's death; following any applicable delay, all such delayed payments, without interest will be paid in a single lump sum on the earliest permissible payment date.

(c) Except to the extent required to be delayed pursuant to Section 23(b), any payment or benefit due or payable on account of Executive's separation from service to which this Section 23(c) applies shall be paid or commence, as applicable, upon the first scheduled payroll date immediately after the date the Release Condition is satisfied (the "Release Effective Date"); provided that, to the extent that such payment or benefit represents a "deferral of compensation" within the meaning of Section 409A and the sixty (60) day period

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following Executive's separation from service spans two (2) taxable years, payment shall not be made or commence prior to January 1 of the second taxable year. The first such cash payment shall include payment of all amounts that otherwise would have been due prior to the Release Effective Date under the terms of this Agreement applied as though such payments commenced immediately upon Executive's termination of employment, and any payments made thereafter shall continue as provided herein. The delayed benefits shall in any event expire at the time such benefits would have expired had such benefits commenced immediately following Executive's termination of employment.

(d) Each payment made under this Agreement (including each separate installment payment in the case of a series of installment payments) shall be deemed to be a separate payment for purposes of Section 409A. Amounts payable under this Agreement shall be deemed not to be a "deferral of compensation" subject to Section 409A to the extent provided in the exceptions in Treasury Regulations §§ 1.409A-1(b)(4) ("short-term deferrals") and (b)(9) ("separation pay plans," including the exception under subparagraph (iii)) and other applicable provisions of Section 409A, and shall be paid under any such exception to the maximum extent permitted. For purposes of this Agreement, with respect to payments of any amounts that are considered to be "deferred compensation" subject to Section 409A, references to "termination of employment," "termination," or words and phrases of similar import, shall be deemed to refer to Executive's "separation from service" as defined in Section 409A, and shall be interpreted and applied in a manner that is consistent with the requirements of Section 409A. In no event may Executive, directly or indirectly, designate the calendar year of any payment under this Agreement.

(e) Notwithstanding anything to the contrary in this Agreement, any payment or benefit under this Agreement or otherwise that is eligible for exemption from Section 409A pursuant to Treasury Regulation § 1.409A-1(b)(9)(v)(A) or (C) (relating to certain reimbursements and in-kind benefits) shall be paid or provided to Executive only to the extent that the expenses are not incurred, or the benefits are not provided, beyond the last day of the second calendar year following the calendar year in which Executive's "separation from service" occurs; and provided that such expenses are reimbursed no later than the last day of the second calendar year following the calendar year in which Executive's "separation from service" occurs. To the extent that any indemnification payment, expense reimbursement, or provision of any in-kind benefit is determined to be subject to Section 409A (and not exempt pursuant to the prior sentence or otherwise), the amount of any such indemnification payment or expenses eligible for reimbursement, or the provision of any in-kind benefit, in one (1) calendar year shall not affect the indemnification payment or provision of in-kind benefits or expenses eligible for reimbursement in any other calendar year (except for any lifetime or other aggregate limitation applicable to medical expenses to the extent permitted by Section 409A), such indemnification, reimbursement, or in-kind benefits shall be provided for the period set forth in this Agreement, or if no such period is set forth, during Executive's lifetime, in no event shall any indemnification payment or expenses be reimbursed after the last day of the calendar year following the calendar year in which Executive incurred such indemnification payment or expenses, and in no event shall any right to indemnification payment or reimbursement or the provision of any in-kind benefit be subject to liquidation or exchange for another benefit.

[Signature Page Follows]

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IN WITNESS WHEREOF, this Agreement has been duly executed by the parties as of the date first written above.

Vistra Corp. and TXU Retail Services Company

By: /s/ Carrie Lee Kirby

Name: Carrie Lee Kirby

Title: Executive Vice President and Chief Administrative Officer

SCOTT A. HUDSON

/s/ Scott A. Hudson

Exhibit A

OIP:	Equity awards to be subject to the terms of the Company's Omnibus Incentive Plan.
Annual Equity Awards:	Executive will be granted annual equity awards in an amount determined by the Board. Such awards may be in the form of options, restricted stock units, performance shares, or any other form as approved by the Board.
Involuntary Termination Without Cause / Resignation for Good Reason / Non-Renewal of Term by the Company:	Subject to delivery (and non-revocation) of the Release and continued compliance with Sections 6 and 7 of this Agreement, accelerated vesting of the portion of Executive's outstanding equity awards that would have vested in the 12 months following termination had Executive remained employed (fully vested options to remain exercisable for 90 days following termination or, if Executive is subject Section 16 of the Exchange Act as of such Termination, 180 days from the date of such termination (or until the option's regular expiration date, if shorter)).
Termination with Cause / Resignation Without Good Reason / Non-Renewal of the Term by Executive	All options and other outstanding awards (unvested and vested) are forfeited upon a termination for Cause. On any other termination, Executive will retain all vested awards (forfeits unvested), and vested options remain exercisable for 30 days following termination or, if Executive is subject Section 16 of the Exchange Act as of such Termination, 180 days from the date of such termination (or until the option's regular expiration date, if shorter).
Death / Disability	Accelerated vesting of the portion of Executive's equity awards that would have vested in the 12 months following termination had he remained employed (fully vested options to remain exercisable for one year following termination (or until the option's regular expiration date, if shorter)).
Involuntary Termination Without Cause / Resignation for Good Reason / Non-Renewal of Term by the Company Following a Change in Control:	All equity awards that were outstanding at the time of the Change in Control will vest upon such termination.

Exhibit B

Release of Claims

As used in this Release of Claims (this "Release"), the term "claims" will include all claims, covenants, warranties, promises, undertakings, actions, suits, causes of action, proceedings, obligations, debts, accounts, attorneys' fees, judgments, losses, and liabilities, of whatsoever kind or nature, in law, in equity, or otherwise. Capitalized terms used but not defined in this Release will have the meanings given to them in the employment agreement dated May 5, 2022, between Vistra Corp., TXU Retail Services Company (together, the "Company") and Scott A. Hudson (my "Agreement").

For and in consideration of the severance payments and benefits, and other good and valuable consideration, I, for and on behalf of myself and my executors, heirs, administrators, representatives, and assigns, hereby agree to release and forever discharge the Company and each of its direct and indirect parent and subsidiary entities, and all of their respective predecessors, successors, and past, current, and future parent entities, affiliates, subsidiary entities, investors, directors, shareholders, members, officers, general or limited partners, employees, attorneys, agents, and representatives, and the employee benefit plans in which I am or have been a participant by virtue of my employment with or service to the Company (collectively, the “Company Releasees”), from any and all claims that I have or may have had against the Company Releasees based on any events or circumstances arising or occurring on or prior to the date hereof and arising directly or indirectly out of, relating to, or in any other way involving in any manner whatsoever my employment by or service to the Company or the termination thereof, including without limitation any and all claims arising under federal, state, or local laws relating to employment, including without limitation claims of wrongful discharge, breach of express or implied contract, fraud, misrepresentation, defamation, intentional infliction of emotional distress, whistleblowing, or liability in tort, and claims of any kind that may be brought in any court or administrative agency, and any related claims for attorneys’ fees and costs, including, without limitation, claims under Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. Section 2000, et seq.; the Americans with Disabilities Act, as amended, 42 U.S.C. § 12101 et seq.; the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 701 et seq.; the Civil Rights Act of 1866, and the Civil Rights Act of 1991; 42 U.S.C. Section 1981, et seq.; the Age Discrimination in Employment Act, as amended, 29 U.S.C. Section 621, et seq. (the “ADEA”); the Equal Pay Act, as amended, 29 U.S.C. Section 206(d); regulations of the Office of Federal Contract Compliance, 41 C.F.R. Section 60, et seq.; the Family and Medical Leave Act, as amended, 29 U.S.C. § 2601 et seq.; the Fair Labor Standards Act of 1938, as amended, 29 U.S.C. § 201 et seq.; the Employee Retirement Income Security Act, as amended, 29 U.S.C. § 1001 et seq.; and any similar state or local law. I agree further that this Release may be pleaded as a full defense to any action, suit, arbitration, or other proceeding covered by the terms hereof that is or may be initiated, prosecuted, or maintained by me or my descendants, dependents, heirs, executors, administrators, or assigns. By signing this Release, I acknowledge that I intend to waive and release all rights known or unknown that I may have against the Company Releasees under these and any other laws.

I acknowledge and agree that as of the date I execute this Release, I have no knowledge of any facts or circumstances that give rise or could give rise to any claims under any of the laws listed in the preceding paragraph and that I have not filed any claim against any of the Releasees before any local, state, federal, or foreign agency, court, arbitrator, mediator, arbitration or mediation panel, or other body, but excluding claims, reports, disclosures, or complaints brought to any government agencies, (each individually a “Proceeding”). I acknowledge that I will not initiate or cause to be initiated on my behalf any Proceeding and will not participate in any Proceeding, in each case, except as required by law or to the extent such Proceeding relates to a claim not waived hereunder. Further, I understand that, by executing this Release, I will be

limiting the availability of certain remedies that I may have against the Company and limiting also my ability to pursue certain claims against the Company Releasees, provided, however, that I understand this Agreement does not limit my right to receive an award for information provided to any governmental agencies that I may be entitled to recover pursuant to whistleblower laws, rules or regulations, including but not limited to Securities and Exchange Commission (“SEC”) Rule 21F-17. For the avoidance of doubt, I understand that I am not required to disclose any claims, reports, disclosures, or complaints to government agencies (such as the SEC) to the Company.

By executing this Release, I specifically release all claims relating to my employment and its termination under ADEA, a federal statute that, among other things, prohibits discrimination on the basis of age in employment and employee benefit plans.

Notwithstanding the generality of the foregoing, I do not release (i) claims to receive my severance payments and benefits in accordance with the terms of the Agreement, (ii) claims with respect to benefits to which I am entitled under the employee benefit and compensation plans of the Company and its affiliates, including any rights to equity, (iii) claims to indemnification, or (iv) claims that cannot be waived by law. Further, nothing in this Release shall prevent me from (i) initiating or causing to be initiated on my behalf any claim against the Company before any local, state, or federal agency, court, or other body challenging the validity of the waiver of my claims under the ADEA (but no other portion of such waiver); (ii) initiating or participating in an investigation or proceeding conducted by the EEOC; or (iii) reporting possible violations of federal, states, or local law or regulation to any governmental agency (including but not limited to the Department of Justice and the SEC), or making other disclosures to, communicating directly with, responding to an inquiry from, or providing testimony before such governmental agency, regarding possible violations of federal, state, or local law or regulation, without prior notice to the Company.

I acknowledge that I have been given at least [21]/[45] days in which to consider this Release. I acknowledge further that the Company has advised me to consult with an attorney of my choice before signing this Release, and I have had sufficient time to consider the terms of this Release. I represent and acknowledge that if I execute this Release before [21]/[45] days have elapsed, I do so knowingly, voluntarily, and upon the advice and with the approval of my legal counsel (if any), and that I voluntarily waive any remaining consideration period.

I understand that after executing this Release, I have the right to revoke it within seven days after its execution. I understand that this Release will not become effective and enforceable unless the seven-day revocation period passes and I do not revoke the Release in writing. I understand that this Release may not be revoked after the seven (7)-day revocation period has passed. I understand also that any revocation of this Release must be made in writing and delivered to the Company at its principal place of business within the seven (7)-day period.

This Release will become effective, irrevocable, and binding on the eighth day after its execution, so long as I have not timely revoked it as set forth above. I understand and acknowledge that I will not be entitled to the severance payments and benefits unless this Release is effective on or before the date that is sixty (60) days following the date of my termination of employment.

NTD: To be selected based on whether applicable termination was "in connection with an exit incentive or other employment termination program" (as such phrase is defined in the Age Discrimination in Employment Act of 1967).

I hereby agree to waive any and all claims to re-employment with the Company or any of its affiliates and affirmatively agree not to seek further employment with the Company or any of its affiliates.

The provisions of this Release will be binding upon my heirs, executors, administrators, legal representatives, and assigns. If any provision of this Release will be held by any court of competent jurisdiction to be illegal, void, or unenforceable, such provision will be of no force or effect. The illegality or unenforceability of such provision, however, will have no effect upon and will not impair the enforceability of any other provision of this Release.

This Release will be governed in accordance with the laws of the State of Delaware, without reference to the principles of conflicts of law. Any dispute or claim arising out of or relating to this Release or claim of breach hereof will be brought exclusively in the federal and state courts located within Delaware. By execution of this Release, I am waiving any right to trial by jury in connection with any suit, action, or proceeding under or in connection with this Release.

Scott A. Hudson

DATE

Exhibit 10.20

AMENDED AND RESTATED EMPLOYMENT AGREEMENT

This AMENDED AND RESTATED EMPLOYMENT AGREEMENT (this "Agreement"), dated as of May 5, 2022 (the "Effective Date"), is between Vistra Corp., Luminant Energy Company LLC (together, the "Company"), and Stephen J. Muscato ("Executive").

Recitals:

WHEREAS, the Company and Executive previously entered into an agreement effective as of March 9, 2018 (the "Original Effective Date");

WHEREAS, the Company and Executive subsequently entered into an amended and restated employment agreement (the "Prior Employment Agreement") effective as of February 25, 2020 (the "Second Effective Date"); and

WHEREAS, the Company and Executive desire to amend and restate the Prior Employment Agreement to reflect the terms upon which Executive shall continue to provide services to the Company.

NOW, THEREFORE, in consideration of the premises and covenants contained herein, and intending to be legally bound hereby, the parties to this Agreement hereby agree as follows:

1. Term.

(a) The term of Executive's employment under this Agreement shall be effective as of the Effective Date, and shall continue until the three (3)-year anniversary of the Effective Date (the "Initial Expiration Date"); provided that on the Initial Expiration Date and each subsequent anniversary of the Initial Expiration Date, the term of Executive's employment under this Agreement shall be extended for one (1) additional year unless either party provides written notice to the other party at least sixty (60) days prior to the Initial Expiration Date (or any such anniversary, as applicable) that Executive's employment shall not be so extended (in which case, Executive's employment shall terminate on the Initial Expiration Date or any such anniversary, as applicable); provided, however, that Executive's employment under this Agreement may be terminated at any earlier time pursuant to the provisions of Section 5. The period of time from the Effective Date through the termination of this Agreement and Executive's employment hereunder pursuant to its terms is herein referred to as the "Term"; and the date on which the Term is scheduled to expire (i.e., the Initial Expiration Date or the scheduled expiration of the extended term, if applicable) is herein referred to as the "Expiration Date."

(b) Executive agrees and acknowledges that the Company has no obligation to extend the Term or to continue Executive's employment following the Expiration Date, and Executive expressly acknowledges that no promises or understandings to the contrary have been made or reached.

2. Definitions. For purposes of this Agreement, the following terms, as used herein, shall have the definitions set forth below.

(a) "Affiliate" means, with respect to any specified Person, any other Person that directly or indirectly, through one or more intermediaries, Controls, is Controlled by, or is under common Control with, such specified Person.

(b) "Change in Control" shall be deemed to occur upon any of the following events:

(i) the acquisition by any Person or related "group" (as such term is used in Sections 13(d) and 14(d) of the U.S. Securities Exchange Act of 1934, as amended, and any successor thereto (the "Exchange Act") of Beneficial Ownership (as defined in Rule 13d-3 promulgated under Section 13 of the Exchange Act) of 30% or more (on a fully diluted basis) of either (A) the then-outstanding shares of the common stock of the Company (the "Common Stock"), including Common Stock issuable upon the exercise of options or warrants, the conversion of convertible stock or debt, and the exercise of any similar right to acquire such Common Stock (the "Outstanding Company Common Stock"); or (B) the combined voting power of the then-outstanding voting securities of the Company entitled to vote in the election of directors (the "Outstanding Company Voting Securities"); but excluding any acquisition by the Company or any of its Affiliates or by any employee benefit plan sponsored or maintained by the Company or any of its Affiliates;

(ii) a change in the composition of the Board such that members of the Board during any consecutive twelve (12)-month period (the “Incumbent Directors”) cease to constitute a majority of the Board. Any person becoming a director through election or nomination for election approved by a valid vote of at least two thirds of the Incumbent Directors shall be deemed an Incumbent Director; provided, however, that no individual becoming a director as a result of an actual or threatened election contest, as such terms are used in Rule 14a-12 of Regulation 14A promulgated under the Exchange Act, or as a result of any other actual or threatened solicitation of proxies or consents by or on behalf of any person other than the Board shall be deemed an Incumbent Director;

(iii) the approval by the shareholders of the Company of a plan of complete dissolution or liquidation of the Company; or

(iv) the consummation of a reorganization, recapitalization, merger, consolidation, statutory share exchange or similar form of corporate transaction involving the Company (a “Business Combination”), or sale, transfer or other disposition of all or substantially all of the business or assets of the Company to an entity that is not an Affiliate of the Company (a “Sale”), unless immediately following such Business Combination or Sale: (A) more than 50% of the total voting power of the entity resulting from such Business Combination or the entity that acquired all or substantially all of the business or assets of the Company in such Sale (in either case, the “Surviving Company”), or the ultimate parent entity that has Beneficial Ownership of sufficient voting power to elect a majority of the board of directors (or analogous governing body) of the Surviving Company (the “Parent Company”), is represented by the Outstanding Company Voting Securities that were outstanding immediately prior to such Business Combination or Sale (or, if applicable, is represented by shares into which the Outstanding Company Voting Securities were converted pursuant to such Business Combination or Sale), and such voting power among the holders thereof is in substantially the same proportion as the voting power of the Outstanding Company Voting Securities among the holders thereof immediately prior to the Business Combination or Sale, (B) no Person or related group of Persons (other than any employee benefit plan sponsored or maintained by the Surviving Company or the Parent Company) is or becomes the beneficial owner, directly or indirectly, of 50% or more of the total

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voting power of the outstanding voting securities eligible to elect members of the board of directors (or the analogous governing body) of the Parent Company (or, if there is no Parent Company, the Surviving Company) and (C) at least a majority of the members of the board of directors (or the analogous governing body) of the Parent Company (or, if there is no Parent Company, the Surviving Company) following the consummation of the Business Combination or Sale were Board members at the time of the Board’s approval of the execution of the initial agreement providing for such Business Combination or Sale.

(c) “Cause” means (i) Executive’s willful and continued failure to perform Executive’s duties with the Company; (ii) Executive’s willful and continued failure to follow and comply with the written policies of the Company as in effect from time to time; (iii) Executive’s willful commission of an act of fraud or dishonesty resulting in economic or financial injury to the Company; (iv) Executive’s willful engagement in illegal conduct or gross misconduct; (v) Executive’s willful breach of this Agreement; or (vi) Executive’s indictment for, conviction of, or a plea of guilty or nolo contendere to any felony or other crime involving moral turpitude. No act or failure to act will be treated as willful if it is done, or omitted to be done, by Executive in good faith and with a good faith belief that such act or omission was in the best interests of the Company.

(d) “Control” (including, with correlative meanings, the terms “Controlled by” and “under common Control with”), as used with respect to any Person, means the direct or indirect possession of the power to direct or cause the direction of the management or policies of such Person, whether through the ownership of voting securities or by contract.

(e) “Disability” means Executive would be entitled to long-term disability benefits under the Company’s long-term disability plan as in effect from time to time, without regard to any waiting or elimination period under such plan and assuming for the purpose of such determination that Executive is actually participating in such plan at such time. If the Company does not maintain a long-term disability plan, “Disability” means Executive’s inability to perform Executive’s duties and responsibilities hereunder on a full-time basis for a consecutive period of one hundred eighty (180) days due to physical or mental illness or incapacity that is determined to be total and permanent by a physician selected by the Company or its insurers and reasonably acceptable to Executive or Executive’s legal representative.

(f) “Good Reason” means the occurrence, without the consent of Executive, of either of the following events: (i) any material diminution of, or modification to, Executive’s title, duties, responsibilities, authorities, or terms of employment set forth in Section 3 or (ii) any breach by

the Company of any of its material obligations to Executive. Prior to resigning for Good Reason, Executive shall give written notice to the Company of the facts and circumstances claimed to provide a basis for such resignation not more than sixty (60) days following Executive's knowledge of such facts and circumstances, and the Company shall have ten (10) business days after receipt of such notice to cure (and if so cured, Executive shall not be permitted to resign for Good Reason in respect thereof) and Executive shall resign within ten (10) business days following the Company's failure to cure.

(g) **"Person"** means any individual, firm, corporation, partnership, limited liability company, trust, joint venture, association, unincorporated entity, or other entity.

3. Duties and Responsibilities. The Company employs Executive, and Executive accepts employment, subject to the terms and conditions contained herein, during the Term, as the Executive Vice President and Chief Commercial Officer. During the Term, Executive agrees to be employed by and devote all of Executive's business time and attention to the Company and the promotion of its interests and to use Executive's best efforts to faithfully

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and diligently serve the Company; provided, however, that, to the extent that such activities do not significantly interfere with the performance of Executive's duties, services, and responsibilities under this Agreement, Executive shall be permitted to (a) manage Executive's personal, financial, and legal affairs, (b) serve on civic or charitable boards and committees of such boards and (c) to the extent approved by the Board of Directors of the Company (the **"Board"**) pursuant to a duly authorized resolution of the Board, serve on corporate boards and committees of such boards. Executive will report to the Chief Executive Officer. Executive will perform such lawful duties and responsibilities as are commensurate with Executive's title and position, and such other duties and responsibilities commensurate with Executive's title and position as may be reasonably requested by the Chief Executive Officer and the Board from time to time. Executive will have the authority customarily exercised by an individual serving as an Executive Vice President of a corporation of the size and nature of the Company. Executive's place of employment will be in Irving, Texas.

4. Compensation and Related Matters. (a) **Base Salary.** During the Term, Executive shall receive an aggregate annual base salary (**"Base Salary"**) at an initial rate of \$634,400.00, payable in accordance with the Company's applicable payroll practices. Base Salary shall be reviewed annually by the Board and increased (but not decreased) in the Board's sole discretion. References in this Agreement to Base Salary shall be deemed to refer to the most recently effective annual base salary rate.

(b) **Annual Bonus.** During the Term, Executive shall be eligible to receive a cash bonus (the **"Annual Bonus"**) for each year (or portion thereof), provided that, except as otherwise provided herein, Executive has remained employed by the Company as of the applicable payment date. Executive's target bonus opportunity for any particular year (the **"Target Bonus"**) shall be 100% of Base Salary, and Executive's maximum bonus opportunity shall be 200% of the Target Bonus. The Annual Bonus shall be subject to performance metrics approved by the Board based on key short-term objectives and shall be at the full discretion of the Board. Any Annual Bonus shall be paid in the fiscal year following the fiscal year to which such Annual Bonus relates, at the same as annual bonuses are paid to all other senior executives.

(c) **Equity Compensation.** Executive shall be entitled to receive equity compensation awards as described in **Exhibit A**.

(d) **Benefits and Perquisites.** During the Term, Executive shall be entitled to participate in the benefit plans and programs and receive perquisites that are provided by the Company from time to time for its senior executives generally, subject to the terms and conditions of such plans and programs, as they may be amended from time to time, and commensurate with Executive's position. During the Term, Executive shall be entitled to up to \$15,000 per year for tax and financial planning.

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(e) **Business Expense Reimbursements.** During the Term, the Company shall promptly reimburse Executive for Executive's reasonable and necessary business expenses in accordance with the Company's then-prevailing policies and procedures for expense reimbursement (which shall include appropriate itemization and substantiation of expenses incurred).

(f) **Indemnification.** The Company shall indemnify and hold harmless Executive, to the fullest extent permitted by law and the Company's governing documents, against all claims, expenses, damages, liabilities, and losses incurred by Executive (whether before or after the Original Effective Date) by reason of the fact that Executive is or was, or had agreed to become, a consultant, director, officer, employee, agent, or fiduciary of the Company or any of its subsidiaries or Affiliates or predecessors of any of the foregoing, or any benefit plan of any of the foregoing, or is or was serving at the request of the Company as a consultant, director, officer, partner, venturer, proprietor, trustee, employee, agent, fiduciary, or similar functionary of another corporation, partnership, joint venture, business, person, trust, employee benefit plan, or other entity. The Company shall provide Executive with customary directors' and officers' liability insurance coverage both during and after the Term with regard to matters occurring during employment or while otherwise providing services to, or serving at the request of, the Company or any of its subsidiaries or Affiliates, or any benefit plan of any of the foregoing, which coverage shall be at a level at least equal to the greatest level being maintained at such time for any current officer or director and shall continue until such time as suits can no longer be brought against Executive as a matter of law. Executive will be entitled to advancement of expenses in connection with any claim in the same manner and to the same extent to which any other officer or director of the Company is entitled. Notwithstanding the foregoing, the Company shall not be required to indemnify or advance expenses to Executive in connection with (i) any dispute in connection with this Agreement or Executive's employment hereunder; (ii) any action, claim, or proceeding initiated by Executive against the Company unless such action, claim, or proceeding is approved in advance by the Board in writing; or (iii) any liabilities, damages, claims or expenses incurred that are attributable to Executive's fraud, bad faith, willful misconduct, or gross negligence.

5. Termination of Employment. (a) Executive's employment under this Agreement may be terminated by either party at any time and for any reason; provided, however, that Executive shall be required to give the Company at least sixty (60) days' advance written notice of any voluntary resignation of Executive's employment hereunder (other than resignation for Good Reason) (and in such event the Company in its sole discretion may elect to accelerate Executive's date of termination of employment, it being understood that such termination shall still be treated as a voluntary resignation without Good Reason for purposes of this Agreement). Notwithstanding the foregoing, Executive's employment shall terminate automatically upon Executive's death.

(b) Following any termination of Executive's employment under this Agreement, except as provided under Sections 5(c), 5(d), and 5(e), the obligations of the Company to pay or provide Executive with compensation and benefits under Section 4 shall cease, and the Company shall have no further obligations to provide compensation or benefits to Executive hereunder, except (i) for payment of any accrued but unpaid Base Salary and any accrued but unused vacation and for payment of any unreimbursed business expenses under Section 4(e), in each case accrued or incurred through the date of termination of employment, payable as soon as practicable and in all events within thirty (30) days following the date of termination of employment, (ii) as explicitly set forth in any other benefit plans, programs, or arrangements applicable to terminated employees in which Executive participates (including, without limitation, equity award agreements), other than severance plans or policies (including severance benefits following a Change in Control), and (iii) as otherwise expressly required by applicable law. For the avoidance of doubt, except as otherwise provided below, any Unpaid

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Annual Bonus (as defined below) is forfeited if Executive's employment is terminated for any reason.

(c) If Executive's employment under this Agreement is terminated (i) by the Company without Cause (other than due to death or Disability), (ii) by Executive for Good Reason, or (iii) due to expiration of the Term on the Expiration Date as a result of the Company delivering a notice of non-renewal as contemplated by Section 1, in addition to the payments and benefits specified in Section 5(b), Executive shall be entitled to receive: (i) severance pay in an aggregate amount (the "Severance Pay") equal to, two times (2x) the sum of (A) Base Salary plus (B) Target Bonus; (ii) a prorated Annual Bonus in respect of the fiscal year of termination equal to the product of (x) the amount of Annual Bonus that would have been payable to Executive had Executive's employment not so terminated based on actual performance measured through the fiscal year of termination, and (y) a fraction, the numerator of which is the number of days elapsed in the Company's fiscal year in which the termination occurs through such termination and the denominator of which is the number of days in such fiscal year (the "Prorated Bonus"); (iii) any accrued but unpaid Annual Bonus

in respect of the fiscal year prior to the fiscal year of termination (the “Unpaid Annual Bonus”); and (iv) continued health insurance benefits under the terms of the applicable Company benefit plans for twenty-four (24) months, subject to Executive’s payment of the cost of such benefits to the same extent that active employees of the Company are required to pay for such benefits from time to time; provided, however, that, such continuation coverage shall end earlier upon Executive’s becoming eligible for comparable coverage under another employer’s benefit plans; and provided, further, that, to the extent that the provision of such continuation coverage is not permitted under the terms of the Company benefit plans or would result in an adverse tax consequence to the Company, the Company may alternatively provide Executive with a monthly cash payment in an amount equal to the applicable COBRA premium that Executive would otherwise be required to pay to obtain COBRA continuation coverage for such benefits for twenty-four (24) months (assuming that COBRA continuation coverage were available for such period) (minus the cost of such benefits to the same extent that active employees of the Company are required to pay for such benefits from time to time) (the “Healthcare Severance Benefits”), commencing as provided in Section 23(c). The Severance Pay shall be paid in equal installments during the twenty-four (24)-month period following Executive’s termination in accordance with the Company’s regular payroll practices, but no less frequently than monthly, and commencing as provided in Section 23(c) below. The Unpaid Annual Bonus shall be paid on the date bonuses are paid to other executives during the fiscal year of Executive’s termination and the Prorated Bonus shall be paid on the date bonuses are paid to other executives of the Company in the year following the fiscal year of Executive’s termination.

(d) Notwithstanding anything herein to the contrary, if at any time within eighteen (18) months following a Change in Control, Executive’s employment under this Agreement is terminated (i) by the Company without Cause (other than due to death or Disability), (ii) by Executive for Good Reason, or (iii) due to expiration of the Term on the Expiration Date as a result of the Company delivering a notice of non-renewal as contemplated by Section 1, then Executive, in lieu of any of the amounts and benefits described in Section 5(c) and in addition to the payments and benefits specified in Section 5(b), shall be entitled to receive (i) the Unpaid Annual Bonus, (ii) 2.99 times the sum of (A) Base Salary plus (B) Target Bonus (the “CIC Severance Pay”), (iii) the product of (x) the Target Bonus, and (y) a fraction, the numerator of which is the number of days elapsed in the Company’s fiscal year in which the termination occurs through such termination and the denominator of which is the number of days in such fiscal year (the “Prorated CIC Bonus”), and (iv) the Healthcare Severance Benefits for twenty-four (24) months (as described above and commencing as provided in Section 23(c)). The CIC Severance Pay and the Prorated CIC Bonus shall be paid in cash in a lump sum on the first payroll following the satisfaction of the Release Condition, subject to Section 23(c); provided, however, if the Change in Control does not constitute a “change in the ownership or

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effective control of the corporation, or in the ownership of a substantial portion of the assets of the corporation” within the meaning of Section 409A(a)(2)(A)(v) of the Internal Revenue Code of 1986, as amended (the “Code”), the portion of the CIC Severance Pay that is not in excess of the Severance Pay that would have been payable upon such termination if Section 5(c) applied shall be paid to Executive in equal monthly installments during the twenty-four (24)-month period following Executive’s termination in accordance with the Company’s regular payroll practices, but no less frequently than monthly, and commencing as provided in Section 23(c) below, and the portion of the CIC Severance Pay in excess of such amount shall be paid to Executive in a lump sum sixty (60) days after the consummation of the Change in Control. The Unpaid Annual Bonus shall be paid on the date bonuses are paid to other executives during the fiscal year of Executive’s termination.

(e) If Executive’s employment under this Agreement is terminated due to death or Disability, in addition to the payments and benefits specified in Section 5(b), Executive shall be entitled to receive (i) the Prorated Bonus, paid on the date bonuses are paid to other executives of the Company in the year following the fiscal year of Executive’s termination, and (ii) the Unpaid Annual Bonus, paid on the date bonuses are paid to other executives of the Company in the fiscal year of Executive’s termination.

(f) Executive’s entitlement to the payments and benefits set forth in Sections 5(c) and 5(d) shall be conditioned upon Executive’s having provided an irrevocable waiver and release of claims in favor of the Company, its Affiliates, their respective predecessors and successors, and all of the respective current or former directors, officers, employees, shareholders, partners, members, agents, or representatives of any of the foregoing (collectively, the “Released Parties”), substantially in the form attached hereto as Exhibit B (the “Release”), that has become effective in accordance with its terms within sixty (60) days following Executive’s termination of employment (the “Release Condition”), and Executive’s continued compliance with Sections 6 and 7 hereof.

(g) Upon termination of Executive's employment for any reason, and regardless of whether Executive continues as a consultant to the Company, upon the Company's request Executive agrees to resign, as of the date of such termination of employment or such other date requested, from the Board and any committees thereof, and, if applicable, from the board of directors (and any committees thereof) of any Affiliate of the Company to the extent Executive is then serving thereon. The Company's obligations to make the payments provided for in this Agreement are subject to set-off for any undisputed amounts owed by Executive, to the extent permitted by Section 409A (as defined below) and any Company clawback policy.

(h) The payment of any amounts accrued under any benefit plan, program, or arrangement in which Executive participates shall be subject to the terms of the applicable plan, program, or arrangement, and any elections Executive has made thereunder.

(i) Following any termination of Executive's employment, Executive shall have no obligation to seek other employment or take any other action by way of mitigation of the amounts payable to Executive under any of the provisions of this Agreement. There shall be no offset against amounts due Executive under this Agreement on account of any remuneration attributable to later employment, consultancy, or other remunerative activity of Executive.

6. Confidential Information.

(a) Executive acknowledges that the Company and its Affiliates continually develop Confidential Information (as defined below), that Executive may develop Confidential Information for the Company or its Affiliates and that Executive may learn of

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Confidential Information during the course of Executive's employment. Executive will comply with the policies and procedures of the Company and its Affiliates for protecting Confidential Information and shall not disclose to any Person or use, other than as required by applicable law or for the proper performance of Executive's duties and responsibilities to the Company and its Affiliates, any Confidential Information obtained by Executive incident to Executive's employment or other association with the Company or any of its Affiliates. Executive understands that this restriction shall continue to apply after Executive's employment terminates, regardless of the reason for such termination.

(b) All documents, records, tapes, and other media of every kind and description relating to the business, present or otherwise, of the Company or its Affiliates and any copies, in whole or in part, thereof (the "Documents"), whether or not prepared by Executive, shall be the sole and exclusive property of the Company and its Affiliates. Executive shall safeguard all Documents and shall surrender to the Company at the time Executive's employment terminates, or at such earlier time or times as the Company may specify, all Documents then in Executive's possession or control. Executive shall immediately return such Documents and other property to the Company upon the termination of Executive's employment and, in any event, at the Company's request. Executive further agrees that any property situated on the premises of, and owned by, the Company or its Affiliates, including disks and other storage media, filing cabinets, or other work areas, is subject to inspection by the Company's personnel at any time with or without notice.

(c) Executive understands that, notwithstanding anything to the contrary contained herein, no provision of this Agreement will be interpreted so as to impede Executive (or any other individual) from (i) making any disclosure of relevant and necessary information or documents in any action, investigation, or proceeding relating to this Agreement, or as required by law or legal process, including with respect to possible violations of law, (ii) participating, cooperating, or testifying in any action, investigation, or proceeding with, or providing information to, any governmental agency, legislative body or any self-regulatory organization, including, but not limited to, the Department of Justice, the Securities and Exchange Commission, the Congress, and any agency Inspector General, (iii) accepting any U.S. Securities and Exchange Commission Awards, or (iv) making other disclosures under the whistleblower provisions of federal law or regulation. In addition, nothing in this Agreement or any other agreement or Company policy prohibits or restricts Executive from initiating communications with, or responding to any inquiry from, any administrative, governmental, regulatory or supervisory authority regarding any good faith concerns about possible violations of law or regulation. Executive does not need the prior authorization of the Company to make any such reports or disclosures and Executive will not be required to notify the Company that such reports or disclosures have been made.

(d) "Confidential Information" means any and all information of the Company and its Affiliates that is not generally known by others with whom they compete or do business, or with whom any of them plans to compete or do business and any and all information, publicly

known in whole or in part or not, which, if disclosed by the Company or its Affiliates would assist in competition against them. Confidential Information includes, without limitation, such information relating to (i) the development, research, testing, manufacturing, marketing and financial activities of the Company and its Affiliates, (ii) all products planned, researched, developed, tested, manufactured, sold, licensed, leased or otherwise distributed or put into use by the Company and its Affiliates, together with all services provided or planned by the Company or any of its Affiliates, during Executive's employment, (iii) the costs, sources of supply, financial performance and strategic plans of the Company and its Affiliates, (iv) the identity and special needs of the customers of the Company and its Affiliates and (v) the people and organizations with whom the Company and its Affiliates have business relationships and those relationships. Confidential Information also includes any information that the Company or

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any of its Affiliates have received, or may receive hereafter, belonging to customers or others with any understanding, express or implied, that the information would not be disclosed.

7. Restricted Activities. Executive agrees that some restrictions on Executive's activities during and after Executive's employment are necessary to protect the goodwill, Confidential Information, and other legitimate interests of the Company and its Affiliates. Following the Effective Date, the Company will provide Executive with access to and knowledge of Confidential Information and trade secrets and will place Executive in a position of trust and confidence with the Company, and Executive will benefit from the Company's goodwill. The restrictive covenants below are necessary to protect the Company's legitimate business interests in its Confidential Information, trade secrets and goodwill. Executive further understands and acknowledges that the Company's ability to reserve these for the exclusive knowledge and use of the Company is of great competitive importance and commercial value to the Company and that the Company would be irreparably harmed if Executive violates the restrictive covenants below. In recognition of the consideration provided to Executive as well as the imparting to Executive of Confidential Information, including trade secrets, and for other good and valuable consideration, Executive hereby agrees as follows:

(a) While Executive is employed by the Company and for twenty-four (24) months after Executive's employment terminates for any reason, whether before or after the Expiration Date (in the aggregate, the "Non-Competition Period"), Executive shall not, directly or indirectly, whether as owner, partner, investor (other than a passive investor of less than 5% in a publicly traded company), consultant, agent, employee, co-venturer, or otherwise, (i) compete with the business of the Company or any of its subsidiaries in any location where the Company or its subsidiaries conducts business (a "Competitive Business") or (ii) undertake any planning for any Competitive Business. With respect to the portion of the Non-Competition Period that follows Executive's termination of employment, the determination of whether a business is a Competitive Business shall be made based on the scope and location of the businesses conducted or planned to be conducted by the Company and its subsidiaries as of the date of such termination.

(b) Executive agrees that, during Executive's employment with the Company, Executive will not undertake any outside activity, whether or not competitive with the business of the Company or its Affiliates, that would reasonably give rise to a conflict of interest or otherwise interfere with Executive's duties and obligations to the Company or any of its Affiliates.

(c) Executive further agrees that, during the Non-Competition Period, Executive will not solicit, hire, or attempt to solicit or hire any employee of the Company or any of its Affiliates (or any individual who was employed by the Company or any of its Affiliates during the one (1)-year period prior to Executive's termination), assist in such hiring by any Person, encourage any such employee to terminate his or her relationship with the Company or any of its Affiliates, or solicit or encourage any customer, client, or vendor of the Company or any of its Affiliates to terminate or diminish its relationship with them, or, in the case of a customer, to conduct with any Person any business or activity which such customer conducts with the Company or any of its Affiliates.

(d) Executive shall not, whether in writing or orally, malign, denigrate, or disparage the Company or its Affiliates, or their respective predecessors and successors, or any of the current or former directors, officers, employees, shareholders, partners, members, agents, or representatives of any of the foregoing, with respect to any of their respective past or present activities, or otherwise publish (whether in writing or orally) statements that tend to portray any of the aforementioned parties in an unfavorable light. The Company shall direct its directors and officers not to, whether in writing or orally, malign, denigrate, or disparage

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Executive with respect to any of Executive's past or present activities, or otherwise publish (whether in writing or orally) statements that are intended to portray Executive in an unfavorable light.

(e) Executive's and the Company's obligations under this Section 7, as applicable, shall continue beyond the termination of Executive's employment with the Company.

8. Notification Requirement. Through and up to the conclusion of the Non-Competition Period, Executive shall give notice to the Company of each new business activity he plans to undertake, at least seven (7) days prior to beginning any such activity. Such notice shall state the name and address of the Person for whom such activity is undertaken and the nature of Executive's business relationship(s) and position(s) with such Person.

9. Intellectual Property Rights. (a) Executive agrees that the results and proceeds of Executive's services for the Company (including, but not limited to, any trade secrets, products, services, processes, know-how, designs, developments, innovations, analyses, drawings, reports, techniques, formulas, methods, developmental or experimental work, improvements, discoveries, inventions, ideas, source and object codes, programs, writing and other works of authorship) resulting from services performed while an employee of the Company and any works in progress, whether or not patentable or registrable under copyright or similar statutes, that were made, developed, conceived, or reduced to practice or learned by Executive, either alone or jointly with others (collectively, "Inventions"), shall be works-made-for-hire and the Company shall be deemed the sole owner throughout the universe of any and all trade secret, patent, copyright, and other intellectual property rights (collectively, "Proprietary Rights") of whatsoever nature therein, whether or not now or hereafter known, existing, contemplated, recognized, or developed, with the right to use the same in perpetuity in any manner the Company determines in its sole discretion, without any further payment to Executive whatsoever. If, for any reason, any of such results and proceeds shall not legally be a work-made-for-hire and/or there are any Proprietary Rights which do not accrue to the Company under the immediately preceding sentence, then Executive hereby irrevocably assigns and agrees to assign any and all of Executive's right, title, and interest thereto, including any and all Proprietary Rights of whatsoever nature therein, whether or not now or hereafter known, existing, contemplated, recognized, or developed, to the Company, and the Company shall have the right to use the same in perpetuity throughout the universe in any manner determined by the Company without any further payment to Executive whatsoever. As to any Invention that Executive is required to assign, Executive shall promptly and fully disclose to the Company all information known to Executive concerning such Invention.

(b) Executive agrees that, from time to time, as may be requested by the Company and at the Company's sole cost and expense, Executive shall do any and all things that the Company may reasonably deem useful or desirable to establish or document the Company's exclusive ownership throughout the United States of America or any other country of any and all Proprietary Rights in any such Inventions, including the execution of appropriate copyright and patent applications or assignments. To the extent that Executive has any Proprietary Rights in the Inventions that cannot be assigned in the manner described above, Executive unconditionally and irrevocably waives the enforcement of such Proprietary Rights. This Section 9(b) is subject to and shall not be deemed to limit, restrict, or constitute any waiver by the Company of any Proprietary Rights of ownership to which the Company may be entitled by operation of law by virtue of the Company's being Executive's employer. Executive shall execute, verify, and deliver such documents and perform such other acts (including appearances as a witness) as the Company may reasonably request for use in applying for, obtaining, perfecting, evidencing, sustaining, and enforcing such Proprietary Rights and the assignment thereof. In addition, Executive shall execute, verify, and deliver assignments of such Proprietary

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Rights to the Company or its designees. Executive's obligations under this Section 9 shall continue beyond the termination of Executive's employment with the Company.

(c) 18 U.S.C. § 1833(b) provides: "An individual shall not be held criminally or civilly liable under any federal or state trade secret law for the disclosure of a trade secret that—(i) is made—(A) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (B) solely for the purpose of reporting or investigating a suspected violation of law; or (ii) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal." Nothing in this Agreement is intended to conflict with 18 U.S.C. § 1833(b) or create liability for disclosures of trade secrets that are expressly allowed by 18 U.S.C. § 1833(b). Accordingly, the parties to this Agreement have the right to disclose in confidence trade secrets to federal, state, and local government officials, or to an attorney, for the sole purpose of reporting or investigating a suspected violation of law. The parties also have the right to disclose trade secrets in a document filed in a lawsuit or other proceeding, but only if the filing is made under seal and protected from public disclosure.

(d) Executive hereby waives and quitclaims to the Company any and all claims, of any nature whatsoever, that Executive now or may hereafter have for infringement of any Proprietary Rights assigned hereunder to the Company.

10. Remedies and Injunctive Relief. Executive acknowledges that a violation by Executive of any of the covenants contained in Sections 6, 7, 8, or 9 would cause irreparable damage to the Company in an amount that would be material but not readily ascertainable, and that any remedy at law (including the payment of damages) would be inadequate. Accordingly, Executive agrees that, notwithstanding any provision of this Agreement to the contrary, the Company shall be entitled (without the necessity of showing economic loss or other actual damage) to injunctive relief (including temporary restraining orders, preliminary injunctions, and permanent injunctions) in any court of competent jurisdiction for any actual or threatened breach of any of the covenants set forth in Sections 6, 7, 8, or 9 in addition to any other legal or equitable remedies it may have. The preceding sentence shall not be construed as a waiver of the rights that the Company may have for damages under this Agreement or otherwise, and all of the Company's rights shall be unrestricted.

11. Representations; Advice of Counsel. (a) Executive represents, warrants, and covenants that as of the date hereof: (i) Executive has the full right, authority, and capacity to enter into this Agreement and perform Executive's obligations hereunder, (ii) Executive is not bound by any agreement that conflicts with or prevents or restricts the full performance of Executive's duties and obligations to the Company hereunder during or after the Term, and (iii) the execution and delivery of this Agreement shall not result in any breach or violation of, or a default under, any existing obligation, commitment, or agreement to which Executive is subject.

(b) Prior to execution of this Agreement, Executive was advised by the Company of Executive's right to seek independent advice from an attorney of Executive's own selection regarding this Agreement. Executive acknowledges that Executive has entered into this Agreement knowingly and voluntarily and with full knowledge and understanding of the provisions of this Agreement after being given the opportunity to consult with counsel. Executive further represents that in entering into this Agreement, Executive is not relying on any statements or representations made by any of the Company's directors, officers, employees, or agents that are not expressly set forth herein, and that Executive is relying only upon Executive's own judgment and any advice provided by Executive's attorney.

(c) The Company represents, warrants, and covenants that as of the date hereof: (i) the Company has the full right, authority, and capacity to enter into this Agreement and perform the Company's obligations hereunder, (ii) the Company is not bound by

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any agreement that conflicts with or prevents or restricts the full performance of the Company's obligations to Executive hereunder during or after the Term, and (iii) the execution and delivery of this Agreement shall not result in any breach or violation of, or a default under, any existing obligation, commitment, or agreement to which the Company is subject.

12. Cooperation. Executive agrees that, upon reasonable notice and without the necessity of the Company's obtaining a subpoena or court order, Executive shall provide reasonable cooperation in connection with any suit, action, or proceeding (or any appeal from any suit, action, or proceeding), and any investigation or defense of any claims asserted against the Company or its Affiliates, that relates to events occurring during Executive's employment with the Company and its Affiliates as to which Executive may have relevant information (including but not limited to furnishing relevant information and materials to the Company or its designee and providing testimony at depositions and at trial); provided that with respect to such cooperation occurring following termination of employment, the Company shall reimburse Executive for expenses reasonably incurred in connection therewith.

13. Withholding. The Company may deduct and withhold from any amounts payable under this Agreement such federal, state, local, non-U.S., and other taxes as are required to be withheld pursuant to any applicable law or regulation.

14. Assignment. Neither the Company nor Executive may make any assignment of this Agreement or any interest herein, by operation of law or otherwise, without the prior written consent of the other party; provided, that the Company may assign its rights under this Agreement without the consent of Executive to a successor to substantially all of the business of the Company in the event that the Company shall effect a reorganization, consolidate with or merge into any other corporation, partnership, organization, or other entity, or transfer all or substantially all of its properties or assets to any other corporation, partnership, organization, or other entity. This Agreement shall inure to the benefit of and be binding upon the Company and Executive, and their respective successors, executors, administrators, heirs, and permitted assigns.

15. Governing Law; No Construction Against Drafter. This Agreement shall be deemed made in the State of Delaware, and the validity, interpretation, construction, and performance of this Agreement in all respects shall be governed by the laws of the State of Delaware without regard to its principles of conflicts of law. No provision of this Agreement or any related document will be construed against or interpreted to the disadvantage of any party hereto by any court or other governmental or judicial authority by reason of such party's having or being deemed to have structured or drafted such provision.

16. Consent to Jurisdiction; Waiver of Jury Trial. (a) Except as otherwise specifically provided herein, Executive and the Company each hereby irrevocably submit to the exclusive jurisdiction of the federal courts located within the State of Delaware (or, if subject matter jurisdiction in such courts are not available, in any state court located within the State of Delaware) over any dispute arising out of or relating to this Agreement. Except as otherwise specifically provided in this Agreement, the parties undertake not to commence any suit, action or proceeding arising out of or relating to this Agreement in a forum other than a forum described in this Section 16(a); provided, however, that nothing herein shall preclude either party from bringing any suit, action, or proceeding in any other court for the purpose of enforcing the provisions of this Section 16 or enforcing any judgment obtained by either party.

(b) The agreement of the parties to the forum described in Section 16(a) is independent of the law that may be applied in any suit, action, or proceeding, and the parties agree to such forum even if such forum may under applicable law choose to apply non-forum law. The parties hereby waive, to the fullest extent permitted by applicable law, any

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objection which they now or hereafter have to personal jurisdiction or to the laying of venue of any such suit, action, or proceeding brought in an applicable court described in Section 16(a), and the parties agree that they shall not attempt to deny or defeat such personal jurisdiction by motion or other request for leave from any such court. The parties agree that, to the fullest extent permitted by applicable law, a final and non-appealable judgment in any suit, action, or proceeding brought in any applicable court described in Section 16(a) shall be conclusive and binding upon the parties and may be enforced in any other jurisdiction.

(c) The parties hereto irrevocably consent to the service of any and all process in any suit, action, or proceeding arising out of or relating to this Agreement by the mailing of copies of such process to such party at such party's address specified in Section 20.

(d) Each party hereto hereby waives, to the fullest extent permitted by applicable law, any right it may have to a trial by jury in respect of any suit, action, or proceeding arising out of or relating to this Agreement. Each party hereto (i) certifies that no representative, agent, or attorney of any other party has represented, expressly or otherwise, that such party would not, in the event of any action, suit, or proceeding, seek to enforce the foregoing waiver, and (ii) acknowledges that it and the other party hereto has been induced to enter into this Agreement by, among other things, the mutual waiver and certifications in this Section 16(d).

(e) Each party shall bear his or her or its own costs and expenses (including reasonable attorneys' fees and expenses) incurred in connection with any dispute arising out of or relating to this Agreement.

17. Amendment; No Waiver; Severability. (a) No provisions of this Agreement may be amended, modified, waived, or discharged except by a written document signed by Executive and a duly authorized officer of the Company (other than Executive). The failure of a party to insist upon strict adherence to any term of this Agreement on any occasion shall not be considered a waiver of such party's rights or deprive such party of the right thereafter to insist upon strict adherence to that term or any other term of this Agreement. No failure or delay by either party in exercising any

right or power hereunder will operate as a waiver thereof, nor will any single or partial exercise of any such right or power, or any abandonment of any steps to enforce such a right or power, preclude any other or further exercise thereof or the exercise of any other right or power.

(b) If any term or provision of this Agreement is invalid, illegal, or incapable of being enforced by any applicable law or public policy, all other conditions and provisions of this Agreement shall nonetheless remain in full force and effect so long as the economic and legal substance of the transactions contemplated by this Agreement is not affected in any manner materially adverse to any party; provided that in the event that any court of competent jurisdiction shall finally hold in a non-appealable judicial determination that any provision of Sections 6 through 10 (whether in whole or in part) is void or constitutes an unreasonable restriction against Executive, such provision shall not be rendered void but shall be deemed modified to the minimum extent necessary to make such provision enforceable for the longest duration and the greatest scope as such court may determine constitutes a reasonable restriction under the circumstances. Subject to the foregoing, upon such determination that any term or other provision is invalid, illegal, or incapable of being enforced, the parties hereto shall negotiate in good faith to modify this Agreement so as to effect the original intent of the parties as closely as possible in a mutually acceptable manner in order that the transactions contemplated hereby be consummated as originally contemplated to the fullest extent possible.

18. Entire Agreement. This Agreement constitutes the entire agreement and understanding between the Company and Executive with respect to the subject matter hereof and

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supersedes all prior agreements and understandings (whether written or oral), between Executive and the Company, relating to such subject matter. None of the parties shall be liable or bound to any other party in any manner by any representations and warranties or covenants relating to such subject matter except as specifically set forth herein.

19. Survival. The rights and obligations of the parties under the provisions of this Agreement shall survive, and remain binding and enforceable, notwithstanding the expiration of the Term, the termination of this Agreement, the termination of Executive's employment hereunder or any settlement of the financial rights and obligations arising from Executive's employment hereunder, to the extent necessary to preserve the intended benefits of such provisions.

20. Notices. All notices or other communications required or permitted to be given hereunder shall be in writing and shall be delivered by hand or sent by facsimile or sent, postage prepaid, by registered, certified, or express mail or overnight courier service and shall be deemed given when so delivered by hand or facsimile, or if mailed, three days after mailing (one (1) business day in the case of express mail or overnight courier service) to the parties at the following addresses or facsimiles (or at such other address for a party as shall be specified by like notice):

If to the Company: Vistra Corp.

Attn: Corporate Secretary
6555 Sierra Drive
Irving, TX 75039

If to Executive: At the most recent address on file in the Company's records.

Notices delivered by facsimile shall have the same legal effect as if such notice had been delivered in person.

21. Headings and References. The headings of this Agreement are inserted for convenience only, and neither constitute a part of this Agreement nor affect in any way the meaning or interpretation of this Agreement. When a reference in this Agreement is made to a Section, such reference shall be to a Section of this Agreement unless otherwise indicated.

22. Counterparts. This Agreement may be executed in one or more counterparts (including via electronic image scan (.pdf)), each of which shall be deemed to be an original, but all of which together shall constitute one and the same instrument and shall become effective when one or more counterparts have been signed by each of the parties and delivered to the other parties.

23. Section 409A. (a) For purposes of this Agreement, “Section 409A” means Section 409A of the Code, and the Treasury Regulations promulgated thereunder (and such other Treasury or Internal Revenue Service guidance) as in effect from time to time. The parties intend that any amounts payable hereunder that could constitute “deferred compensation” within the meaning of Section 409A will be compliant with Section 409A or exempt from Section 409A.

(b) Notwithstanding anything in this Agreement to the contrary, the following special rule shall apply, if and to the extent required by Section 409A, in the event that (i) Executive is deemed to be a “specified employee” within the meaning of Code Section 409A(a)(2)(B)(i) (as determined in accordance with the methodology established by the Company as in effect on the date of Executive’s “separation from service” (within the meaning

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of Treasury Regulations § 1.409A-1(h)), (ii) amounts or benefits under this Agreement or any other program, plan, or arrangement of the Company or a controlled group affiliate thereof are due or payable on account of separation from service, and (iii) Executive is employed by a public company or a controlled group affiliate thereof: payments hereunder that are “deferred compensation” subject to Section 409A that would be made to Executive prior to the date that is six (6) months after the date of Executive’s separation from service shall be made within ten (10) business days after such six (6)-month date or, if earlier, ten (10) days following the date of Executive’s death; following any applicable delay, all such delayed payments, without interest will be paid in a single lump sum on the earliest permissible payment date.

(c) Except to the extent required to be delayed pursuant to Section 23(b), any payment or benefit due or payable on account of Executive’s separation from service to which this Section 23(c) applies shall be paid or commence, as applicable, upon the first scheduled payroll date immediately after the date the Release Condition is satisfied (the “Release Effective Date”); provided that, to the extent that such payment or benefit represents a “deferral of compensation” within the meaning of Section 409A and the sixty (60) day period following Executive’s separation from service spans two (2) taxable years, payment shall not be made or commence prior to January 1 of the second taxable year. The first such cash payment shall include payment of all amounts that otherwise would have been due prior to the Release Effective Date under the terms of this Agreement applied as though such payments commenced immediately upon Executive’s termination of employment, and any payments made thereafter shall continue as provided herein. The delayed benefits shall in any event expire at the time such benefits would have expired had such benefits commenced immediately following Executive’s termination of employment.

(d) Each payment made under this Agreement (including each separate installment payment in the case of a series of installment payments) shall be deemed to be a separate payment for purposes of Section 409A. Amounts payable under this Agreement shall be deemed not to be a “deferral of compensation” subject to Section 409A to the extent provided in the exceptions in Treasury Regulations §§ 1.409A-1(b)(4) (“short-term deferrals”) and (b)(9) (“separation pay plans,” including the exception under subparagraph (iii)) and other applicable provisions of Section 409A, and shall be paid under any such exception to the maximum extent permitted. For purposes of this Agreement, with respect to payments of any amounts that are considered to be “deferred compensation” subject to Section 409A, references to “termination of employment,” “termination,” or words and phrases of similar import, shall be deemed to refer to Executive’s “separation from service” as defined in Section 409A, and shall be interpreted and applied in a manner that is consistent with the requirements of Section 409A. In no event may Executive, directly or indirectly, designate the calendar year of any payment under this Agreement.

(e) Notwithstanding anything to the contrary in this Agreement, any payment or benefit under this Agreement or otherwise that is eligible for exemption from Section 409A pursuant to Treasury Regulation § 1.409A-1(b)(9)(v)(A) or (C) (relating to certain reimbursements and in-kind benefits) shall be paid or provided to Executive only to the extent that the expenses are not incurred, or the benefits are not provided, beyond the last day of the second calendar year following the calendar year in which Executive’s “separation from service” occurs; and provided that such expenses are reimbursed no later than the last day of the second calendar year following the calendar year in which Executive’s “separation from service” occurs. To the extent that any indemnification payment, expense reimbursement, or provision of any in-kind benefit is determined to be subject to Section 409A (and not exempt pursuant to the prior sentence or otherwise), the amount of any such indemnification payment or expenses eligible for reimbursement, or the provision of any in-kind benefit, in one (1) calendar year shall not affect the indemnification payment or provision of in-kind benefits or expenses eligible for reimbursement in any other calendar year (except for any lifetime or other aggregate limitation

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applicable to medical expenses to the extent permitted by Section 409A), such indemnification, reimbursement, or in-kind benefits shall be provided for the period set forth in this Agreement, or if no such period is set forth, during Executive's lifetime, in no event shall any indemnification payment or expenses be reimbursed after the last day of the calendar year following the calendar year in which Executive incurred such indemnification payment or expenses, and in no event shall any right to indemnification payment or reimbursement or the provision of any in-kind benefit be subject to liquidation or exchange for another benefit.

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IN WITNESS WHEREOF, this Agreement has been duly executed by the parties as of the date first written above.

Vistra Corp. and Luminant Energy Company LLC

By: /s/ Carrie Lee Kirby

Name: Carrie Lee Kirby

Title: Executive Vice President and Chief Administrative Officer

STEPHEN J. MUSCATO

/s/ Stephen J. Muscato

Exhibit A

OIP:	Equity awards to be subject to the terms of the Company's Omnibus Incentive Plan.
Annual Equity Awards:	Executive will be granted annual equity awards in an amount determined by the Board. Such awards may be in the form of options, restricted stock units, performance shares, or any other form as approved by the Board.
Involuntary Termination Without Cause / Resignation for Good Reason / Non-Renewal of Term by the Company:	Subject to delivery (and non-revocation) of the Release and continued compliance with Sections 6 and 7 of this Agreement, accelerated vesting of the portion of Executive's outstanding equity awards that would have vested in the 12 months following termination had Executive remained employed (fully vested options to remain exercisable for 90 days following termination or, if Executive is subject Section 16 of the Exchange Act as of such Termination, 180 days from the date of such termination (or until the option's regular expiration date, if shorter)).
Termination with Cause / Resignation Without Good Reason / Non-Renewal of the Term by Executive	All options and other outstanding awards (unvested and vested) are forfeited upon a termination for Cause. On any other termination, Executive will retain all vested awards (forfeits unvested), and vested options remain exercisable for 30 days following termination or, if Executive is subject Section 16 of the Exchange Act as of such Termination, 180 days from the date of such termination (or until the option's regular expiration date, if shorter).
Death / Disability	Accelerated vesting of the portion of Executive's equity awards that would have vested in the 12 months following termination had he remained employed (fully vested options to remain exercisable for one year following termination (or until the option's regular expiration date, if shorter)).
Involuntary Termination Without Cause / Resignation for Good Reason / Non-Renewal of Term by the Company Following a Change in Control:	All equity awards that were outstanding at the time of the Change in Control will vest upon such termination.

Exhibit B

Release of Claims

As used in this Release of Claims (this "Release"), the term "claims" will include all claims, covenants, warranties, promises, undertakings, actions, suits, causes of action, proceedings, obligations, debts, accounts, attorneys' fees, judgments, losses, and liabilities, of whatsoever kind or nature, in law, in equity, or otherwise. Capitalized terms used but not defined in this Release will have the meanings given to them in the employment agreement dated May 5, 2022, between Vistra Corp., Luminant Energy Company LLC (together, the "Company") and Stephen J. Muscato (my "Agreement").

For and in consideration of the severance payments and benefits, and other good and valuable consideration, I, for and on behalf of myself and my executors, heirs, administrators, representatives, and assigns, hereby agree to release and forever discharge the Company and each of its direct and indirect parent and subsidiary entities, and all of their respective predecessors, successors, and past, current, and future parent entities, affiliates, subsidiary entities, investors, directors, shareholders, members, officers, general or limited partners, employees, attorneys, agents, and representatives, and the employee benefit plans in which I am or have been a participant by virtue of my employment with or service to the Company (collectively, the "Company Releasees"), from any and all claims that I have or may have had against the Company Releasees based on any events or circumstances arising or occurring on or prior to the date hereof and arising directly or indirectly out of, relating to, or in any other way involving in any manner whatsoever my employment by or service to the Company or the termination thereof, including without limitation any and all claims arising under federal, state, or local laws relating to employment, including without limitation claims of wrongful discharge, breach of express or implied contract, fraud, misrepresentation, defamation, intentional infliction of emotional distress, whistleblowing, or liability in tort, and claims of any kind that may be brought in any court or administrative agency, and any related claims for attorneys' fees and costs, including, without limitation, claims under Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. Section 2000, et seq.; the Americans with Disabilities Act, as amended, 42 U.S.C. § 12101 et seq.; the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 701 et seq.; the Civil Rights Act of 1866, and the Civil Rights Act of 1991; 42 U.S.C. Section 1981, et seq.; the Age Discrimination in Employment Act, as amended, 29 U.S.C. Section 621, et seq. (the "ADEA"); the Equal Pay Act, as amended, 29 U.S.C. Section 206(d); regulations of the Office of Federal Contract Compliance, 41 C.F.R. Section 60, et seq.; the Family and

Medical Leave Act, as amended, 29 U.S.C. § 2601 et seq.; the Fair Labor Standards Act of 1938, as amended, 29 U.S.C. § 201 et seq.; the Employee Retirement Income Security Act, as amended, 29 U.S.C. § 1001 et seq.; and any similar state or local law. I agree further that this Release may be pleaded as a full defense to any action, suit, arbitration, or other proceeding covered by the terms hereof that is or may be initiated, prosecuted, or maintained by me or my descendants, dependents, heirs, executors, administrators, or assigns. By signing this Release, I acknowledge that I intend to waive and release all rights known or unknown that I may have against the Company Releasees under these and any other laws.

I acknowledge and agree that as of the date I execute this Release, I have no knowledge of any facts or circumstances that give rise or could give rise to any claims under any of the laws listed in the preceding paragraph and that I have not filed any claim against any of the Releasees before any local, state, federal, or foreign agency, court, arbitrator, mediator, arbitration or mediation panel, or other body, but excluding claims, reports, disclosures, or complaints brought to any government agencies, (each individually a "Proceeding"). I acknowledge that I will not initiate or cause to be initiated on my behalf any Proceeding and will not participate in any Proceeding, in each case, except as required by law or to the extent such Proceeding relates to a claim not waived hereunder. Further, I understand that, by executing this Release, I will be

limiting the availability of certain remedies that I may have against the Company and limiting also my ability to pursue certain claims against the Company Releasees, provided, however, that I understand this Agreement does not limit my right to receive an award for information provided to any governmental agencies that I may be entitled to recover pursuant to whistleblower laws, rules or regulations, including but not limited to Securities and Exchange Commission ("SEC") Rule 21F-17. For the avoidance of doubt, I understand that I am not required to disclose any claims, reports, disclosures, or complaints to government agencies (such as the SEC) to the Company.

By executing this Release, I specifically release all claims relating to my employment and its termination under ADEA, a federal statute that, among other things, prohibits discrimination on the basis of age in employment and employee benefit plans.

Notwithstanding the generality of the foregoing, I do not release (i) claims to receive my severance payments and benefits in accordance with the terms of the Agreement, (ii) claims with respect to benefits to which I am entitled under the employee benefit and compensation plans of the Company and its affiliates, including any rights to equity, (iii) claims to indemnification, or (iv) claims that cannot be waived by law. Further, nothing in this Release shall prevent me from (i) initiating or causing to be initiated on my behalf any claim against the Company before any local, state, or federal agency, court, or other body challenging the validity of the waiver of my claims under the ADEA (but no other portion of such waiver); (ii) initiating or participating in an investigation or proceeding conducted by the EEOC; or (iii) reporting possible violations of federal, states, or local law or regulation to any governmental agency (including but not limited to the Department of Justice and the SEC), or making other disclosures to, communicating directly with, responding to an inquiry from, or providing testimony before such governmental agency, regarding possible violations of federal, state, or local law or regulation, without prior notice to the Company.

I acknowledge that I have been given at least [21]/[45] days in which to consider this Release. I acknowledge further that the Company has advised me to consult with an attorney of my choice before signing this Release, and I have had sufficient time to consider the terms of this Release. I represent and acknowledge that if I execute this Release before [21]/[45] days have elapsed, I do so knowingly, voluntarily, and upon the advice and with the approval of my legal counsel (if any), and that I voluntarily waive any remaining consideration period.

I understand that after executing this Release, I have the right to revoke it within seven days after its execution. I understand that this Release will not become effective and enforceable unless the seven-day revocation period passes and I do not revoke the Release in writing. I understand that this Release may not be revoked after the seven (7)-day revocation period has passed. I understand also that any revocation of this Release must be made in writing and delivered to the Company at its principal place of business within the seven (7)-day period.

This Release will become effective, irrevocable, and binding on the eighth day after its execution, so long as I have not timely revoked it as set forth above. I understand and acknowledge that I will not be entitled to the severance payments and benefits unless this Release is effective on or before the date that is sixty (60) days following the date of my termination of employment.

NTD: To be selected based on whether applicable termination was "in connection with an exit incentive or other employment termination program" (as such phrase is defined in the Age Discrimination in Employment Act of 1967).

I hereby agree to waive any and all claims to re-employment with the Company or any of its affiliates and affirmatively agree not to seek further employment with the Company or any of its affiliates.

The provisions of this Release will be binding upon my heirs, executors, administrators, legal representatives, and assigns. If any provision of this Release will be held by any court of competent jurisdiction to be illegal, void, or unenforceable, such provision will be of no force or effect. The illegality or unenforceability of such provision, however, will have no effect upon and will not impair the enforceability of any other provision of this Release.

This Release will be governed in accordance with the laws of the State of Delaware, without reference to the principles of conflicts of law. Any dispute or claim arising out of or relating to this Release or claim of breach hereof will be brought exclusively in the federal and state courts located within Delaware. By execution of this Release, I am waiving any right to trial by jury in connection with any suit, action, or proceeding under or in connection with this Release.

Stephen J. Muscato

DATE

Exhibit 10.21

EMPLOYMENT AGREEMENT

This EMPLOYMENT AGREEMENT ("Agreement"), executed on August 8, 2022 and effective as of August 23, 2022 (the "Effective Date"), is between Vistra Corp., Vistra Corporate Services Company (together, the "Company"), and Stacey Doré ("Executive").

Recitals:

WHEREAS, the Company and Executive desire to enter into a written employment agreement to reflect the terms upon which Executive shall provide services to the Company.

NOW, THEREFORE, in consideration of the premises and covenants contained herein, and intending to be legally bound hereby, the parties to this Agreement hereby agree as follows:

1. Term.

(a) The term of Executive's employment under this Agreement shall be effective as of the Effective Date, and shall continue until the three (3)-year anniversary of the Effective Date (the "Initial Expiration Date"); provided that on the Initial Expiration Date and each subsequent anniversary of the Initial Expiration Date, the term of Executive's employment under this Agreement shall be extended for one (1) additional year unless either party provides written notice to the other party at least sixty (60) days prior to the Initial Expiration Date (or any such anniversary, as

applicable) that Executive's employment shall not be so extended (in which case, Executive's employment shall terminate on the Initial Expiration Date or any such anniversary, as applicable); provided, however, that Executive's employment under this Agreement may be terminated at any earlier time pursuant to the provisions of Section 5. The period of time from the Effective Date through the termination of this Agreement and Executive's employment hereunder pursuant to its terms is herein referred to as the "Term"; and the date on which the Term is scheduled to expire (i.e., the Initial Expiration Date or the scheduled expiration of the extended term, if applicable) is herein referred to as the "Expiration Date."

(b) Executive agrees and acknowledges that the Company has no obligation to extend the Term or to continue Executive's employment following the Expiration Date, and Executive expressly acknowledges that no promises or understandings to the contrary have been made or reached.

2. Definitions. For purposes of this Agreement, the following terms, as used herein, shall have the definitions set forth below.

(a) "Affiliate" means, with respect to any specified Person, any other Person that directly or indirectly, through one or more intermediaries, Controls, is Controlled by, or is under common Control with, such specified Person.

(b) "Change in Control" shall be deemed to occur upon any of the following events:

(i) the acquisition by any Person or related "group" (as such term is used in Sections 13(d) and 14(d) of the U.S. Securities Exchange Act of 1934, as amended, and any successor thereto (the "Exchange Act")) of Beneficial Ownership (as

defined in Rule 13d-3 promulgated under Section 13 of the Exchange Act) of 30% or more (on a fully diluted basis) of either (A) the then-outstanding shares of the common stock of the Company (the "Common Stock"), including Common Stock issuable upon the exercise of options or warrants, the conversion of convertible stock or debt, and the exercise of any similar right to acquire such Common Stock (the "Outstanding Company Common Stock"); or (B) the combined voting power of the then-outstanding voting securities of the Company entitled to vote in the election of directors (the "Outstanding Company Voting Securities"); but excluding any acquisition by the Company or any of its Affiliates or by any employee benefit plan sponsored or maintained by the Company or any of its Affiliates;

(ii) a change in the composition of the Board such that members of the Board during any consecutive twelve (12)-month period (the "Incumbent Directors") cease to constitute a majority of the Board. Any person becoming a director through election or nomination for election approved by a valid vote of at least two thirds of the Incumbent Directors shall be deemed an Incumbent Director; provided, however, that no individual becoming a director as a result of an actual or threatened election contest, as such terms are used in Rule 14a-12 of Regulation 14A promulgated under the Exchange Act, or as a result of any other actual or threatened solicitation of proxies or consents by or on behalf of any person other than the Board shall be deemed an Incumbent Director;

(iii) the approval by the shareholders of the Company of a plan of complete dissolution or liquidation of the Company; or

(iv) the consummation of a reorganization, recapitalization, merger, consolidation, statutory share exchange or similar form of corporate transaction involving the Company (a "Business Combination"), or sale, transfer or other disposition of all or substantially all of the business or assets of the Company to an entity that is not an Affiliate of the Company (a "Sale"), unless immediately following such Business Combination or Sale: (A) more than 50% of the total voting power of the entity resulting from such Business Combination or the entity that acquired all or substantially all of the business or assets of the Company in such Sale (in either case, the "Surviving Company"), or the ultimate parent entity that has Beneficial Ownership of sufficient voting power to elect a majority of the board of directors (or analogous governing body) of the Surviving Company (the "Parent Company"), is represented by the Outstanding Company Voting Securities that were outstanding immediately prior to such Business Combination or Sale (or, if applicable, is represented by shares into which the Outstanding Company Voting Securities were converted pursuant to such Business Combination or Sale), and such voting power among the holders thereof is in substantially the same proportion as the voting power of the Outstanding Company Voting Securities among the holders thereof immediately prior to the Business Combination or Sale, (B) no Person or related group of Persons (other than any employee benefit plan sponsored or maintained by the Surviving Company or the Parent Company) is or becomes the beneficial owner, directly or indirectly, of 50% or more of the

total voting power of the outstanding voting securities eligible to elect members of the board of directors (or the analogous governing body) of the Parent Company (or, if there is no Parent Company, the Surviving Company) and (C) at least a majority of the members of the board of directors (or the analogous governing body) of the Parent Company (or, if there is no Parent Company, the Surviving Company) following the consummation of the Business Combination or Sale were Board members at the time of the Board's approval of the execution of the initial agreement providing for such Business Combination or Sale.

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(c) **"Cause"** means (i) Executive's willful and continued failure to perform Executive's duties with the Company; (ii) Executive's willful and continued failure to follow and comply with the written policies of the Company as in effect from time to time; (iii) Executive's willful commission of an act of fraud or dishonesty resulting in economic or financial injury to the Company; (iv) Executive's willful engagement in illegal conduct or gross misconduct; (v) Executive's willful breach of this Agreement; or (vi) Executive's indictment for, conviction of, or a plea of guilty or nolo contendere to any felony or other crime involving moral turpitude. No act or failure to act will be treated as willful if it is done, or omitted to be done, by Executive in good faith and with a good faith belief that such act or omission was in the best interests of the Company.

(d) **"Control"** (including, with correlative meanings, the terms **"Controlled by"** and **"under common Control with"**), as used with respect to any Person, means the direct or indirect possession of the power to direct or cause the direction of the management or policies of such Person, whether through the ownership of voting securities or by contract.

(e) **"Disability"** means Executive would be entitled to long-term disability benefits under the Company's long-term disability plan as in effect from time to time, without regard to any waiting or elimination period under such plan and assuming for the purpose of such determination that Executive is actually participating in such plan at such time. If the Company does not maintain a long-term disability plan, **"Disability"** means Executive's inability to perform Executive's duties and responsibilities hereunder on a full-time basis for a consecutive period of one hundred eighty (180) days due to physical or mental illness or incapacity that is determined to be total and permanent by a physician selected by the Company or its insurers and reasonably acceptable to Executive or Executive's legal representative.

(f) **"Good Reason"** means the occurrence, without the consent of Executive, of either of the following events: (i) any material diminution of, or modification to, Executive's title, duties, responsibilities, authorities, or terms of employment set forth in **Section 3** or (ii) any breach by the Company of any of its material obligations to Executive. Prior to resigning for Good Reason, Executive shall give written notice to the Company of the facts and circumstances claimed to provide a basis for such resignation not more than sixty (60) days following Executive's knowledge of such facts and circumstances, and the Company shall have ten (10) business days after receipt of such notice to cure (and if so cured, Executive shall not be permitted to resign for Good Reason in respect thereof) and Executive shall resign within ten (10) business days following the Company's failure to cure.

(g) **"Person"** means any individual, firm, corporation, partnership, limited liability company, trust, joint venture, association, unincorporated entity, or other entity.

3. Duties and Responsibilities. The Company hereby employs Executive, and Executive hereby accepts employment, subject to the terms and conditions contained herein, during the Term, as the Chief Strategy and Sustainability Officer and Executive Vice President of Public Affairs. During the Term, Executive agrees to be employed by and devote all of Executive's business time and attention to the Company and the promotion of its interests and to use Executive's best efforts to faithfully and diligently serve the Company; provided, however, that, to the extent that such activities do not significantly interfere with the performance of Executive's duties, services, and responsibilities under this Agreement, Executive shall be permitted to (a) manage Executive's personal, financial, and legal affairs, (b) serve on civic or charitable boards and committees of such boards and (c) to the extent approved by the Board of Directors of the Company (the **"Board"**) pursuant to a duly authorized resolution of the Board, serve on corporate boards and committees of such boards. Executive will report to the Chief Executive Officer. Executive will perform such lawful duties and responsibilities as are commensurate with Executive's title and position, and such other duties and responsibilities

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commensurate with Executive's title and position as may be reasonably requested by the Chief Executive Officer and the Board from time to time. Executive will have the authority customarily exercised by an individual serving as an Executive Vice President of a corporation of the size and nature of the Company. Executive's place of employment will be in Irving, Texas.

4. Compensation and Related Matters. (a) Base Salary. During the Term, Executive shall receive an aggregate annual base salary ("Base Salary") at an initial rate of \$605,000.00, payable in accordance with the Company's applicable payroll practices. Base Salary shall be reviewed annually by the Board and increased (but not decreased) in the Board's sole discretion. References in this Agreement to Base Salary shall be deemed to refer to the most recently effective annual base salary rate.

(b) Annual Bonus. During the Term, Executive shall be eligible to receive a cash bonus (the "Annual Bonus") for each year (or portion thereof), provided that, except as otherwise provided herein, Executive has remained employed by the Company as of the applicable payment date. Executive's target bonus opportunity for any particular year (the "Target Bonus") shall be 80% of Base Salary, and Executive's maximum bonus opportunity shall be 200% of the Target Bonus. The Annual Bonus shall be subject to performance metrics approved by the Board based on key short-term objectives and shall be at the full discretion of the Board. Any Annual Bonus shall be paid in the fiscal year following the fiscal year to which such Annual Bonus relates, at the same time as annual bonuses are paid to all other senior executives.

(c) Sign-On Bonus. Executive shall be eligible to receive a cash sign-on bonus (the "Sign-On Bonus") in the amount of \$300,000, less applicable taxes and withholdings. The Sign-On Bonus shall be earned and paid in two equal installments as follows:

(i) \$150,000 paid as soon as practicable after the Effective Date; and

(ii) \$150,000 paid as soon as practicable after the first anniversary of the Effective Date.

If Executive's employment terminates for any reason prior to the second anniversary of the Effective date, Executive shall forfeit any unpaid portion of the Sign-On Bonus and shall repay to the Company any portion of the Sign-On Bonus paid to Executive during the twelve (12)- month period preceding Executive's termination date.

(d) Equity Compensation. Executive shall be entitled to receive equity compensation awards as described in Exhibit A.

(e) Benefits and Perquisites. During the Term, Executive shall be entitled to participate in the benefit plans and programs and receive perquisites that are provided by the Company from time to time for its senior executives generally, subject to the terms and conditions of such plans and programs, as they may be amended from time to time, and commensurate with Executive's position. During the Term, Executive shall be entitled to up to \$15,000 per year for tax and financial planning.

(f) Business Expense Reimbursements. During the Term, the Company shall promptly reimburse Executive for Executive's reasonable and necessary business expenses in accordance with the Company's then-prevailing policies and procedures for expense reimbursement (which shall include appropriate itemization and substantiation of expenses incurred).

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(g) Indemnification. The Company shall indemnify and hold harmless Executive, to the fullest extent permitted by law and the Company's governing documents, against all claims, expenses, damages, liabilities, and losses incurred by Executive (whether before or after the Effective Date) by reason of the fact that Executive is or was, or had agreed to become, a consultant, director, officer, employee, agent, or fiduciary of the Company or any of its subsidiaries or Affiliates or predecessors of any of the foregoing, or any benefit plan of any of the foregoing, or is or was serving at the request of the Company as a consultant, director, officer, partner, venturer, proprietor, trustee, employee, agent, fiduciary, or similar functionary of another corporation, partnership, joint venture, business, person, trust, employee benefit plan, or other entity. The Company shall provide Executive with customary directors' and officers' liability insurance coverage both during and after the Term with regard to matters occurring

during employment or while otherwise providing services to, or serving at the request of, the Company or any of its subsidiaries or Affiliates, or any benefit plan of any of the foregoing, which coverage shall be at a level at least equal to the greatest level being maintained at such time for any current officer or director and shall continue until such time as suits can no longer be brought against Executive as a matter of law. Executive will be entitled to advancement of expenses in connection with any claim in the same manner and to the same extent to which any other officer or director of the Company is entitled. Notwithstanding the foregoing, the Company shall not be required to indemnify or advance expenses to Executive in connection with (i) any dispute in connection with this Agreement or Executive's employment hereunder; (ii) any action, claim, or proceeding initiated by Executive against the Company unless such action, claim, or proceeding is approved in advance by the Board in writing; or (iii) any liabilities, damages, claims or expenses incurred that are attributable to Executive's fraud, bad faith, willful misconduct, or gross negligence.

5. Termination of Employment.(a) Executive's employment under this Agreement may be terminated by either party at any time and for any reason; provided, however, that Executive shall be required to give the Company at least sixty (60) days' advance written notice of any voluntary resignation of Executive's employment hereunder (other than resignation for Good Reason) (and in such event the Company in its sole discretion may elect to accelerate Executive's date of termination of employment, it being understood that such termination shall still be treated as a voluntary resignation without Good Reason for purposes of this Agreement). Notwithstanding the foregoing, Executive's employment shall terminate automatically upon Executive's death.

(b) Following any termination of Executive's employment under this Agreement, except as provided under Sections 5(c), 5(d), and 5(e), the obligations of the Company to pay or provide Executive with compensation and benefits under Section 4 shall cease, and the Company shall have no further obligations to provide compensation or benefits to Executive hereunder, except (i) for payment of any accrued but unpaid Base Salary and any accrued but unused vacation and for payment of any unreimbursed business expenses under Section 4(e), in each case accrued or incurred through the date of termination of employment, payable as soon as practicable and in all events within thirty (30) days following the date of termination of employment, (ii) as explicitly set forth in any other benefit plans, programs, or arrangements applicable to terminated employees in which Executive participates (including, without limitation, equity award agreements), other than severance plans or policies (including severance benefits following a Change in Control), and (iii) as otherwise expressly required by applicable law. For the avoidance of doubt, except as otherwise provided below, any Unpaid Annual Bonus (as defined below) is forfeited if Executive's employment is terminated for any reason.

(c) If Executive's employment under this Agreement is terminated (i) by the Company without Cause (other than due to death or Disability), (ii) by Executive for Good Reason, or (iii) due to expiration of the Term on the Expiration Date as a result of the

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Company delivering a notice of non-renewal as contemplated by Section 1, in addition to the payments and benefits specified in Section 5(b), Executive shall be entitled to receive: (i) severance pay in an aggregate amount (the "Severance Pay") equal to, two times (2x) the sum of (A) Base Salary plus (B) Target Bonus; (ii) a prorated Annual Bonus in respect of the fiscal year of termination equal to the product of (x) the amount of Annual Bonus that would have been payable to Executive had Executive's employment not so terminated based on actual performance measured through the fiscal year of termination, and (y) a fraction, the numerator of which is the number of days elapsed in the Company's fiscal year in which the termination occurs through such termination and the denominator of which is the number of days in such fiscal year (the "Prorated Bonus"); (iii) any accrued but unpaid Annual Bonus in respect of the fiscal year prior to the fiscal year of termination (the "Unpaid Annual Bonus"); and (iv) continued health insurance benefits under the terms of the applicable Company benefit plans for twenty-four (24) months, subject to Executive's payment of the cost of such benefits to the same extent that active employees of the Company are required to pay for such benefits from time to time; provided, however, that, such continuation coverage shall end earlier upon Executive's becoming eligible for comparable coverage under another employer's benefit plans; and provided, further, that, to the extent that the provision of such continuation coverage is not permitted under the terms of the Company benefit plans or would result in an adverse tax consequence to the Company, the Company may alternatively provide Executive with a monthly cash payment in an amount equal to the applicable COBRA premium that Executive would otherwise be required to pay to obtain COBRA continuation coverage for such benefits for twenty-four (24) months (assuming that COBRA continuation coverage were available for such period) (minus the cost of such benefits to the same extent that active employees of the Company are required to pay for such benefits from time to time) (the "Healthcare Severance Benefits"), commencing as provided in Section 23(c). The Severance Pay shall be paid in equal installments during the twenty-four (24)-month period following Executive's termination in accordance with the Company's regular payroll practices, but no less frequently than monthly, and commencing as provided in Section 23(c) below. The Unpaid Annual Bonus shall be paid on the date bonuses are paid to other

executives during the fiscal year of Executive's termination and the Prorated Bonus shall be paid on the date bonuses are paid to other executives of the Company in the year following the fiscal year of Executive's termination.

(d) Notwithstanding anything herein to the contrary, if at any time within eighteen (18) months following a Change in Control, Executive's employment under this Agreement is terminated (i) by the Company without Cause (other than due to death or Disability), (ii) by Executive for Good Reason, or (iii) due to expiration of the Term on the Expiration Date as a result of the Company delivering a notice of non-renewal as contemplated by Section 1, then Executive, in lieu of any of the amounts and benefits described in Section 5(c), and in addition to the payments and benefits specified in Section 5(b), shall be entitled to receive (i) the Unpaid Annual Bonus, (ii) 2.99 times the sum of (A) Base Salary plus (B) Target Bonus (the "CIC Severance Pay"), (iii) the product of (x) the Target Bonus, and (y) a fraction, the numerator of which is the number of days elapsed in the Company's fiscal year in which the termination occurs through such termination and the denominator of which is the number of days in such fiscal year (the "Prorated CIC Bonus"), and (iv) the Healthcare Severance Benefits for twenty-four (24) months (as described above and commencing as provided in Section 23(c)). The CIC Severance Pay and the Prorated CIC Bonus shall be paid in cash in a lump sum on the first payroll following the satisfaction of the Release Condition, subject to Section 23(c); provided, however, if the Change in Control does not constitute a "change in the ownership or effective control of the corporation, or in the ownership of a substantial portion of the assets of the corporation" within the meaning of Section 409A(a)(2)(A)(v) of the Internal Revenue Code of 1986, as amended (the "Code"), the portion of the CIC Severance Pay that is not in excess of the Severance Pay that would have been payable upon such termination if Section 5(c) applied shall be paid to Executive in equal monthly installments during the twenty-four (24)-month period following Executive's termination in accordance with the Company's regular payroll

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practices, but no less frequently than monthly, and commencing as provided in Section 23(c) below, and the portion of the CIC Severance Pay in excess of such amount shall be paid to Executive in a lump sum sixty (60) days after the consummation of the Change in Control. The Unpaid Annual Bonus shall be paid on the date bonuses are paid to other executives during the fiscal year of Executive's termination.

(e) If Executive's employment under this Agreement is terminated due to death or Disability, in addition to the payments and benefits specified in Section 5(b), Executive shall be entitled to receive (i) the Prorated Bonus, paid on the date bonuses are paid to other executives of the Company in the year following the fiscal year of Executive's termination, and (ii) the Unpaid Annual Bonus, paid on the date bonuses are paid to other executives of the Company in the fiscal year of Executive's termination.

(f) Executive's entitlement to the payments and benefits set forth in Sections 5(c) and 5(d) shall be conditioned upon Executive's having provided an irrevocable waiver and release of claims in favor of the Company, its Affiliates, their respective predecessors and successors, and all of the respective current or former directors, officers, employees, shareholders, partners, members, agents, or representatives of any of the foregoing (collectively, the "Released Parties"), substantially in the form attached hereto as Exhibit B (the "Release"), that has become effective in accordance with its terms within sixty (60) days following Executive's termination of employment (the "Release Condition"), and Executive's continued compliance with Sections 6 and 7 hereof.

(g) Upon termination of Executive's employment for any reason, and regardless of whether Executive continues as a consultant to the Company, upon the Company's request Executive agrees to resign, as of the date of such termination of employment or such other date requested, from the Board and any committees thereof, and, if applicable, from the board of directors (and any committees thereof) of any Affiliate of the Company to the extent Executive is then serving thereon. The Company's obligations to make the payments provided for in this Agreement are subject to set-off for any undisputed amounts owed by Executive, to the extent permitted by Section 409A (as defined below) and any Company clawback policy.

(h) The payment of any amounts accrued under any benefit plan, program, or arrangement in which Executive participates shall be subject to the terms of the applicable plan, program, or arrangement, and any elections Executive has made thereunder.

(i) Following any termination of Executive's employment, Executive shall have no obligation to seek other employment or take any other action by way of mitigation of the amounts payable to Executive under any of the provisions of this Agreement. There shall be no offset against amounts due Executive under this Agreement on account of any remuneration attributable to later employment, consultancy, or other remunerative activity of Executive.

6. Confidential Information.

(a) Executive acknowledges that the Company and its Affiliates continually develop Confidential Information (as defined below), that Executive may develop Confidential Information for the Company or its Affiliates and that Executive may learn of Confidential Information during the course of Executive's employment. Executive will comply with the policies and procedures of the Company and its Affiliates for protecting Confidential Information and shall not disclose to any Person or use, other than as required by applicable law or for the proper performance of Executive's duties and responsibilities to the Company and its Affiliates, any Confidential Information obtained by Executive incident to Executive's employment or other association with the Company or any of its Affiliates. Executive

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understands that this restriction shall continue to apply after Executive's employment terminates, regardless of the reason for such termination.

(b) All documents, records, tapes, and other media of every kind and description relating to the business, present or otherwise, of the Company or its Affiliates and any copies, in whole or in part, thereof (the "Documents"), whether or not prepared by Executive, shall be the sole and exclusive property of the Company and its Affiliates. Executive shall safeguard all Documents and shall surrender to the Company at the time Executive's employment terminates, or at such earlier time or times as the Company may specify, all Documents then in Executive's possession or control. Executive shall immediately return such Documents and other property to the Company upon the termination of Executive's employment and, in any event, at the Company's request. Executive further agrees that any property situated on the premises of, and owned by, the Company or its Affiliates, including disks and other storage media, filing cabinets, or other work areas, is subject to inspection by the Company's personnel at any time with or without notice.

(c) Executive understands that, notwithstanding anything to the contrary contained herein, no provision of this Agreement will be interpreted so as to impede Executive (or any other individual) from (i) making any disclosure of relevant and necessary information or documents in any action, investigation, or proceeding relating to this Agreement, or as required by law or legal process, including with respect to possible violations of law, (ii) participating, cooperating, or testifying in any action, investigation, or proceeding with, or providing information to, any governmental agency, legislative body or any self-regulatory organization, including, but not limited to, the Department of Justice, the Securities and Exchange Commission, the Congress, and any agency Inspector General, (iii) accepting any U.S. Securities and Exchange Commission Awards, or (iv) making other disclosures under the whistleblower provisions of federal law or regulation. In addition, nothing in this Agreement or any other agreement or Company policy prohibits or restricts Executive from initiating communications with, or responding to any inquiry from, any administrative, governmental, regulatory or supervisory authority regarding any good faith concerns about possible violations of law or regulation. Executive does not need the prior authorization of the Company to make any such reports or disclosures and Executive will not be not required to notify the Company that such reports or disclosures have been made.

(d) "Confidential Information" means any and all information of the Company and its Affiliates that is not generally known by others with whom they compete or do business, or with whom any of them plans to compete or do business and any and all information, publicly known in whole or in part or not, which, if disclosed by the Company or its Affiliates would assist in competition against them. Confidential Information includes, without limitation, such information relating to (i) the development, research, testing, manufacturing, marketing and financial activities of the Company and its Affiliates, (ii) all products planned, researched, developed, tested, manufactured, sold, licensed, leased or otherwise distributed or put into use by the Company and its Affiliates, together with all services provided or planned by the Company or any of its Affiliates, during Executive's employment, (iii) the costs, sources of supply, financial performance and strategic plans of the Company and its Affiliates, (iv) the identity and special needs of the customers of the Company and its Affiliates and (v) the people and organizations with whom the Company and its Affiliates have business relationships and those relationships. Confidential Information also includes any information that the Company or any of its Affiliates have received, or may receive hereafter, belonging to customers or others with any understanding, express or implied, that the information would not be disclosed.

7. Restricted Activities. Executive agrees that some restrictions on Executive's activities during and after Executive's employment are necessary to protect the goodwill, Confidential Information, and other legitimate interests of the Company and its

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Affiliates. Following the Effective Date, the Company will provide Executive with access to and knowledge of Confidential Information and trade secrets and will place Executive in a position of trust and confidence with the Company, and Executive will benefit from the Company's goodwill. The restrictive covenants below are necessary to protect the Company's legitimate business interests in its Confidential Information, trade secrets and goodwill. Executive further understands and acknowledges that the Company's ability to reserve these for the exclusive knowledge and use of the Company is of great competitive importance and commercial value to the Company and that the Company would be irreparably harmed if Executive violates the restrictive covenants below. In recognition of the consideration provided to Executive as well as the imparting to Executive of Confidential Information, including trade secrets, and for other good and valuable consideration, Executive hereby agrees as follows:

(a) While Executive is employed by the Company and for twenty-four (24) months after Executive's employment terminates for any reason, whether before or after the Expiration Date (in the aggregate, the "Non-Competition Period"), Executive shall not, directly or indirectly, whether as owner, partner, investor (other than a passive investor of less than 5% in a publicly traded company), consultant, agent, employee, co-venturer, or otherwise, (i) compete with the business of the Company or any of its subsidiaries in any location where the Company or its subsidiaries conducts business (a "Competitive Business") or (ii) undertake any planning for any Competitive Business. With respect to the portion of the Non-Competition Period that follows Executive's termination of employment, the determination of whether a business is a Competitive Business shall be made based on the scope and location of the businesses conducted or planned to be conducted by the Company and its subsidiaries as of the date of such termination.

(b) Executive agrees that, during Executive's employment with the Company, Executive will not undertake any outside activity, whether or not competitive with the business of the Company or its Affiliates, that would reasonably give rise to a conflict of interest or otherwise interfere with Executive's duties and obligations to the Company or any of its Affiliates.

(c) Executive further agrees that, during the Non-Competition Period, Executive will not solicit, hire, or attempt to solicit or hire any employee of the Company or any of its Affiliates (or any individual who was employed by the Company or any of its Affiliates during the one (1)-year period prior to Executive's termination), assist in such hiring by any Person, encourage any such employee to terminate his or her relationship with the Company or any of its Affiliates, or solicit or encourage any customer, client, or vendor of the Company or any of its Affiliates to terminate or diminish its relationship with them, or, in the case of a customer, to conduct with any Person any business or activity which such customer conducts with the Company or any of its Affiliates.

(d) Executive shall not, whether in writing or orally, malign, denigrate, or disparage the Company or its Affiliates, or their respective predecessors and successors, or any of the current or former directors, officers, employees, shareholders, partners, members, agents, or representatives of any of the foregoing, with respect to any of their respective past or present activities, or otherwise publish (whether in writing or orally) statements that tend to portray any of the aforementioned parties in an unfavorable light. The Company shall direct its directors and officers not to, whether in writing or orally, malign, denigrate, or disparage Executive with respect to any of Executive's past or present activities, or otherwise publish (whether in writing or orally) statements that are intended to portray Executive in an unfavorable light.

(e) Executive's and the Company's obligations under this Section 7, as applicable, shall continue beyond the termination of Executive's employment with the Company.

8. Notification Requirement. Through and up to the conclusion of the Non-Competition Period, Executive shall give notice to the Company of each new business activity he plans to undertake, at least seven (7) days prior to beginning any such activity. Such notice shall state the name and address of the Person for whom such activity is undertaken and the nature of Executive's business relationship(s) and position(s) with such Person.

9. Intellectual Property Rights. (a) Executive agrees that the results and proceeds of Executive's services for the Company (including, but not limited to, any trade secrets, products, services, processes, know-how, designs, developments, innovations, analyses, drawings, reports, techniques, formulas, methods, developmental or experimental work, improvements, discoveries, inventions, ideas, source and object codes, programs, writing and other works of authorship) resulting from services performed while an employee of the Company and any works in progress, whether or not patentable or registrable under copyright or similar statutes, that were made, developed, conceived, or reduced to practice or learned by Executive, either alone or jointly with others (collectively, "Inventions"), shall be works-made-for-hire and the Company shall be deemed the sole owner throughout the universe of any and all trade secret, patent, copyright, and other intellectual property rights (collectively, "Proprietary Rights") of whatsoever nature therein, whether or not now or hereafter known, existing, contemplated, recognized, or developed, with the right to use the same in perpetuity in any manner the Company determines in its sole discretion, without any further payment to Executive whatsoever. If, for any reason, any of such results and proceeds shall not legally be a work-made-for-hire and/or there are any Proprietary Rights which do not accrue to the Company under the immediately preceding sentence, then Executive hereby irrevocably assigns and agrees to assign any and all of Executive's right, title, and interest thereto, including any and all Proprietary Rights of whatsoever nature therein, whether or not now or hereafter known, existing, contemplated, recognized, or developed, to the Company, and the Company shall have the right to use the same in perpetuity throughout the universe in any manner determined by the Company without any further payment to Executive whatsoever. As to any Invention that Executive is required to assign, Executive shall promptly and fully disclose to the Company all information known to Executive concerning such Invention.

(b) Executive agrees that, from time to time, as may be requested by the Company and at the Company's sole cost and expense, Executive shall do any and all things that the Company may reasonably deem useful or desirable to establish or document the Company's exclusive ownership throughout the United States of America or any other country of any and all Proprietary Rights in any such Inventions, including the execution of appropriate copyright and patent applications or assignments. To the extent that Executive has any Proprietary Rights in the Inventions that cannot be assigned in the manner described above, Executive unconditionally and irrevocably waives the enforcement of such Proprietary Rights. This Section 9(b) is subject to and shall not be deemed to limit, restrict, or constitute any waiver by the Company of any Proprietary Rights of ownership to which the Company may be entitled by operation of law by virtue of the Company's being Executive's employer. Executive shall execute, verify, and deliver such documents and perform such other acts (including appearances as a witness) as the Company may reasonably request for use in applying for, obtaining, perfecting, evidencing, sustaining, and enforcing such Proprietary Rights and the assignment thereof. In addition, Executive shall execute, verify, and deliver assignments of such Proprietary Rights to the Company or its designees. Executive's obligations under this Section 9 shall continue beyond the termination of Executive's employment with the Company.

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(c) 18 U.S.C. § 1833(b) provides: "An individual shall not be held criminally or civilly liable under any federal or state trade secret law for the disclosure of a trade secret that—(i) is made—(A) in confidence to a federal, state, or local government official, either directly or indirectly, or to an attorney; and (B) solely for the purpose of reporting or investigating a suspected violation of law; or (ii) is made in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal." Nothing in this Agreement is intended to conflict with 18 U.S.C. § 1833(b) or create liability for disclosures of trade secrets that are expressly allowed by 18 U.S.C. § 1833(b). Accordingly, the parties to this Agreement have the right to disclose in confidence trade secrets to federal, state, and local government officials, or to an attorney, for the sole purpose of reporting or investigating a suspected violation of law. The parties also have the right to disclose trade secrets in a document filed in a lawsuit or other proceeding, but only if the filing is made under seal and protected from public disclosure.

(d) Executive hereby waives and quitclaims to the Company any and all claims, of any nature whatsoever, that Executive now or may hereafter have for infringement of any Proprietary Rights assigned hereunder to the Company.

10. Remedies and Injunctive Relief. Executive acknowledges that a violation by Executive of any of the covenants contained in Sections 6, 7, 8, or 9 would cause irreparable damage to the Company in an amount that would be material but not readily ascertainable, and that any remedy at law (including the payment of damages) would be inadequate. Accordingly, Executive agrees that, notwithstanding any provision of this Agreement to the contrary, the Company shall be entitled (without the necessity of showing economic loss or other actual damage) to injunctive relief (including temporary restraining orders, preliminary injunctions, and permanent injunctions) in any court of competent jurisdiction for any actual or threatened breach of any of the covenants set forth in Sections 6, 7, 8, or 9 in addition to any other legal or equitable remedies it may have. The preceding sentence shall not be construed as a waiver of the rights that the Company may have for damages under this Agreement or otherwise, and all of the Company's rights shall be unrestricted.

11. Representations; Advice of Counsel.(a) Executive represents, warrants, and covenants that as of the date hereof: (i) Executive has the full right, authority, and capacity to enter into this Agreement and perform Executive's obligations hereunder, (ii) Executive is not bound by any agreement that conflicts with or prevents or restricts the full performance of Executive's duties and obligations to the Company hereunder during or after the Term, and (iii) the execution and delivery of this Agreement shall not result in any breach or violation of, or a default under, any existing obligation, commitment, or agreement to which Executive is subject.

(b) Prior to execution of this Agreement, Executive was advised by the Company of Executive's right to seek independent advice from an attorney of Executive's own selection regarding this Agreement. Executive acknowledges that Executive has entered into this Agreement knowingly and voluntarily and with full knowledge and understanding of the provisions of this Agreement after being given the opportunity to consult with counsel. Executive further represents that in entering into this Agreement, Executive is not relying on any statements or representations made by any of the Company's directors, officers, employees, or agents that are not expressly set forth herein, and that Executive is relying only upon Executive's own judgment and any advice provided by Executive's attorney.

(c) The Company represents, warrants, and covenants that as of the date hereof: (i) the Company has the full right, authority, and capacity to enter into this Agreement and perform the Company's obligations hereunder, (ii) the Company is not bound by any agreement that conflicts with or prevents or restricts the full performance of the Company's obligations to Executive hereunder during or after the Term, and (iii) the execution and delivery

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of this Agreement shall not result in any breach or violation of, or a default under, any existing obligation, commitment, or agreement to which the Company is subject.

12. Cooperation. Executive agrees that, upon reasonable notice and without the necessity of the Company's obtaining a subpoena or court order, Executive shall provide reasonable cooperation in connection with any suit, action, or proceeding (or any appeal from any suit, action, or proceeding), and any investigation or defense of any claims asserted against the Company or its Affiliates, that relates to events occurring during Executive's employment with the Company and its Affiliates as to which Executive may have relevant information (including but not limited to furnishing relevant information and materials to the Company or its designee and providing testimony at depositions and at trial); provided that with respect to such cooperation occurring following termination of employment, the Company shall reimburse Executive for expenses reasonably incurred in connection therewith.

13. Withholding. The Company may deduct and withhold from any amounts payable under this Agreement such federal, state, local, non-U.S., and other taxes as are required to be withheld pursuant to any applicable law or regulation.

14. Assignment. Neither the Company nor Executive may make any assignment of this Agreement or any interest herein, by operation of law or otherwise, without the prior written consent of the other party; provided, that the Company may assign its rights under this Agreement without the consent of Executive to a successor to substantially all of the business of the Company in the event that the Company shall effect a reorganization, consolidate with or merge into any other corporation, partnership, organization, or other entity, or transfer all or substantially all of its properties or assets to any other corporation, partnership, organization, or other entity. This Agreement shall inure to the benefit of and be binding upon the Company and Executive, and their respective successors, executors, administrators, heirs, and permitted assigns.

15. Governing Law; No Construction Against Drafter. This Agreement shall be deemed made in the State of Delaware, and the validity, interpretation, construction, and performance of this Agreement in all respects shall be governed by the laws of the State of Delaware without regard to its principles of conflicts of law. No provision of this Agreement or any related document will be construed against or interpreted to the disadvantage of any party hereto by any court or other governmental or judicial authority by reason of such party's having or being deemed to have structured or drafted such provision.

16. Consent to Jurisdiction; Waiver of Jury Trial.(a) Except as otherwise specifically provided herein, Executive and the Company each hereby irrevocably submit to the exclusive jurisdiction of the federal courts located within the State of Delaware (or, if subject matter jurisdiction in such courts are not available, in any state court located within the State of Delaware) over any dispute arising out of or relating to this Agreement. Except as otherwise specifically provided in this Agreement, the parties undertake not to commence any suit, action or proceeding arising out of or

relating to this Agreement in a forum other than a forum described in this Section 16(a); provided, however, that nothing herein shall preclude either party from bringing any suit, action, or proceeding in any other court for the purpose of enforcing the provisions of this Section 16 or enforcing any judgment obtained by either party.

(b) The agreement of the parties to the forum described in Section 16(a) is independent of the law that may be applied in any suit, action, or proceeding, and the parties agree to such forum even if such forum may under applicable law choose to apply non-forum law. The parties hereby waive, to the fullest extent permitted by applicable law, any objection which they now or hereafter have to personal jurisdiction or to the laying of venue of any such suit, action, or proceeding brought in an applicable court described in Section 16(a).

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and the parties agree that they shall not attempt to deny or defeat such personal jurisdiction by motion or other request for leave from any such court. The parties agree that, to the fullest extent permitted by applicable law, a final and non-appealable judgment in any suit, action, or proceeding brought in any applicable court described in Section 16(a) shall be conclusive and binding upon the parties and may be enforced in any other jurisdiction.

(c) The parties hereto irrevocably consent to the service of any and all process in any suit, action, or proceeding arising out of or relating to this Agreement by the mailing of copies of such process to such party at such party's address specified in Section 20.

(d) Each party hereto hereby waives, to the fullest extent permitted by applicable law, any right it may have to a trial by jury in respect of any suit, action, or proceeding arising out of or relating to this Agreement. Each party hereto (i) certifies that no representative, agent, or attorney of any other party has represented, expressly or otherwise, that such party would not, in the event of any action, suit, or proceeding, seek to enforce the foregoing waiver, and (ii) acknowledges that it and the other party hereto has been induced to enter into this Agreement by, among other things, the mutual waiver and certifications in this Section 16(d).

(e) Each party shall bear his or her or its own costs and expenses (including reasonable attorneys' fees and expenses) incurred in connection with any dispute arising out of or relating to this Agreement.

17. Amendment; No Waiver; Severability. (a) No provisions of this Agreement may be amended, modified, waived, or discharged except by a written document signed by Executive and a duly authorized officer of the Company (other than Executive). The failure of a party to insist upon strict adherence to any term of this Agreement on any occasion shall not be considered a waiver of such party's rights or deprive such party of the right thereafter to insist upon strict adherence to that term or any other term of this Agreement. No failure or delay by either party in exercising any right or power hereunder will operate as a waiver thereof, nor will any single or partial exercise of any such right or power, or any abandonment of any steps to enforce such a right or power, preclude any other or further exercise thereof or the exercise of any other right or power.

(b) If any term or provision of this Agreement is invalid, illegal, or incapable of being enforced by any applicable law or public policy, all other conditions and provisions of this Agreement shall nonetheless remain in full force and effect so long as the economic and legal substance of the transactions contemplated by this Agreement is not affected in any manner materially adverse to any party; provided that in the event that any court of competent jurisdiction shall finally hold in a non-appealable judicial determination that any provision of Sections 6 through 10 (whether in whole or in part) is void or constitutes an unreasonable restriction against Executive, such provision shall not be rendered void but shall be deemed modified to the minimum extent necessary to make such provision enforceable for the longest duration and the greatest scope as such court may determine constitutes a reasonable restriction under the circumstances. Subject to the foregoing, upon such determination that any term or other provision is invalid, illegal, or incapable of being enforced, the parties hereto shall negotiate in good faith to modify this Agreement so as to effect the original intent of the parties as closely as possible in a mutually acceptable manner in order that the transactions contemplated hereby be consummated as originally contemplated to the fullest extent possible.

18. Entire Agreement. This Agreement constitutes the entire agreement and understanding between the Company and Executive with respect to the subject matter hereof and supersedes all prior agreements and understandings (whether written or oral), between Executive and the Company, relating to such subject matter. None of the parties shall be liable or bound to

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any other party in any manner by any representations and warranties or covenants relating to such subject matter except as specifically set forth herein.

19. Survival. The rights and obligations of the parties under the provisions of this Agreement shall survive, and remain binding and enforceable, notwithstanding the expiration of the Term, the termination of this Agreement, the termination of Executive's employment hereunder or any settlement of the financial rights and obligations arising from Executive's employment hereunder, to the extent necessary to preserve the intended benefits of such provisions.

20. Notices. All notices or other communications required or permitted to be given hereunder shall be in writing and shall be delivered by hand or sent by facsimile or sent, postage prepaid, by registered, certified, or express mail or overnight courier service and shall be deemed given when so delivered by hand or facsimile, or if mailed, three days after mailing (one (1) business day in the case of express mail or overnight courier service) to the parties at the following addresses or facsimiles (or at such other address for a party as shall be specified by like notice):

If to the Company: Vistra Corp.
 Attn: Corporate Secretary
 6555 Sierra Drive
 Irving, TX 75039

If to Executive: At the most recent address on file in the
 Company's records.

Notices delivered by facsimile shall have the same legal effect as if such notice had been delivered in person.

21. Headings and References. The headings of this Agreement are inserted for convenience only, and neither constitute a part of this Agreement nor affect in any way the meaning or interpretation of this Agreement. When a reference in this Agreement is made to a Section, such reference shall be to a Section of this Agreement unless otherwise indicated.

22. Counterparts. This Agreement may be executed in one or more counterparts (including via electronic image scan (.pdf)), each of which shall be deemed to be an original, but all of which together shall constitute one and the same instrument and shall become effective when one or more counterparts have been signed by each of the parties and delivered to the other parties.

23. Section 409A.(a) For purposes of this Agreement, "Section 409A" means Section 409A of the Code, and the Treasury Regulations promulgated thereunder (and such other Treasury or Internal Revenue Service guidance) as in effect from time to time. The parties intend that any amounts payable hereunder that could constitute "deferred compensation" within the meaning of Section 409A will be compliant with Section 409A or exempt from Section 409A.

(b) Notwithstanding anything in this Agreement to the contrary, the following special rule shall apply, if and to the extent required by Section 409A, in the event that (i) Executive is deemed to be a "specified employee" within the meaning of Code Section 409A(a)(2)(B)(i) (as determined in accordance with the methodology established by the Company as in effect on the date of Executive's "separation from service" (within the meaning

of Treasury Regulations § 1.409A-1(h)), (ii) amounts or benefits under this Agreement or any other program, plan, or arrangement of the Company or a controlled group affiliate thereof are due or payable on account of separation from service, and (iii) Executive is employed by a public company or a controlled group affiliate thereof: payments hereunder that are “deferred compensation” subject to Section 409A that would be made to Executive prior to the date that is six (6) months after the date of Executive’s separation from service shall be made within ten (10) business days after such six (6)-month date or, if earlier, ten (10) days following the date of Executive’s death; following any applicable delay, all such delayed payments, without interest will be paid in a single lump sum on the earliest permissible payment date.

(c) Except to the extent required to be delayed pursuant to Section 23(b), any payment or benefit due or payable on account of Executive’s separation from service to which this Section 23(c) applies shall be paid or commence, as applicable, upon the first scheduled payroll date immediately after the date the Release Condition is satisfied (the “Release Effective Date”); provided that, to the extent that such payment or benefit represents a “deferral of compensation” within the meaning of Section 409A and the sixty (60) day period following Executive’s separation from service spans two (2) taxable years, payment shall not be made or commence prior to January 1 of the second taxable year. The first such cash payment shall include payment of all amounts that otherwise would have been due prior to the Release Effective Date under the terms of this Agreement applied as though such payments commenced immediately upon Executive’s termination of employment, and any payments made thereafter shall continue as provided herein. The delayed benefits shall in any event expire at the time such benefits would have expired had such benefits commenced immediately following Executive’s termination of employment.

(d) Each payment made under this Agreement (including each separate installment payment in the case of a series of installment payments) shall be deemed to be a separate payment for purposes of Section 409A. Amounts payable under this Agreement shall be deemed not to be a “deferral of compensation” subject to Section 409A to the extent provided in the exceptions in Treasury Regulations §§ 1.409A-1(b)(4) (“short-term deferrals”) and (b)(9) (“separation pay plans,” including the exception under subparagraph (iii)) and other applicable provisions of Section 409A, and shall be paid under any such exception to the maximum extent permitted. For purposes of this Agreement, with respect to payments of any amounts that are considered to be “deferred compensation” subject to Section 409A, references to “termination of employment,” “termination,” or words and phrases of similar import, shall be deemed to refer to Executive’s “separation from service” as defined in Section 409A, and shall be interpreted and applied in a manner that is consistent with the requirements of Section 409A. In no event may Executive, directly or indirectly, designate the calendar year of any payment under this Agreement.

(e) Notwithstanding anything to the contrary in this Agreement, any payment or benefit under this Agreement or otherwise that is eligible for exemption from Section 409A pursuant to Treasury Regulation § 1.409A-1(b)(9)(v)(A) or (C) (relating to certain reimbursements and in-kind benefits) shall be paid or provided to Executive only to the extent that the expenses are not incurred, or the benefits are not provided, beyond the last day of the second calendar year following the calendar year in which Executive’s “separation from service” occurs; and provided that such expenses are reimbursed no later than the last day of the second calendar year following the calendar year in which Executive’s “separation from service” occurs. To the extent that any indemnification payment, expense reimbursement, or provision of any in-kind benefit is determined to be subject to Section 409A (and not exempt pursuant to the prior sentence or otherwise), the amount of any such indemnification payment or expenses eligible for reimbursement, or the provision of any in-kind benefit, in one (1) calendar year shall not affect the indemnification payment or provision of in-kind benefits or expenses eligible for reimbursement in any other calendar year (except for any lifetime or other aggregate limitation

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applicable to medical expenses to the extent permitted by Section 409A), such indemnification, reimbursement, or in-kind benefits shall be provided for the period set forth in this Agreement, or if no such period is set forth, during Executive’s lifetime, in no event shall any indemnification payment or expenses be reimbursed after the last day of the calendar year following the calendar year in which Executive incurred such indemnification payment or expenses, and in no event shall any right to indemnification payment or reimbursement or the provision of any in-kind benefit be subject to liquidation or exchange for another benefit.

[Signature Page Follows]

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IN WITNESS WHEREOF, this Agreement has been duly executed by the parties as of the date first written above.

VISTRA CORP. AND VISTRA CORPORATE SERVICES COMPANY

By: /s/ Carrie L. Kirby

Name: Carrie L. Kirby

Title: Executive Vice President and Chief Administrative Officer

STACEY DORÉ

/s/ Stacey Doré

Exhibit A

OIP:	Equity awards to be subject to the terms of the Company's Omnibus Incentive Plan.
One-Time Equity Award	On the Effective Date, Executive will be granted an equity award in the form of RSUs with a value equal to \$1,000,000.
Annual Equity Awards:	Executive will be granted annual equity awards in an amount determined by the Board. Such awards may be in the form of options, restricted stock units, performance shares, or any other form as approved by the Board.
Involuntary Termination Without Cause / Resignation for Good Reason / Non-Renewal of Term by the Company:	Subject to delivery (and non-revocation) of the Release and continued compliance with Sections 6 and 7 of this Agreement, accelerated vesting of the portion of Executive's outstanding equity awards that would have vested in the 12 months following termination had Executive remained employed (fully vested options to remain exercisable for 90 days following termination or, if Executive is subject Section 16 of the Exchange Act as of such Termination, 180 days from the date of such termination (or until the option's regular expiration date, if shorter)).
Termination with Cause / Resignation Without Good Reason / Non-Renewal of the Term by Executive	All options and other outstanding awards (unvested and vested) are forfeited upon a termination for Cause. On any other termination, Executive will retain all vested awards (forfeits unvested), and vested options remain exercisable for 30 days following termination or, if Executive is subject Section 16 of the Exchange Act as of such Termination, 180 days from the date of such termination (or until the option's regular expiration date, if shorter).
Death / Disability	Accelerated vesting of the portion of Executive's equity awards that would have vested in the 12 months following termination had he remained employed (fully vested options to remain exercisable for one year following termination (or until the option's regular expiration date, if shorter)).
Involuntary Termination Without Cause / Resignation for Good Reason / Non-Renewal of Term by the Company Following a Change in Control:	All equity awards that were outstanding at the time of the Change in Control will vest upon such termination.

Exhibit B

Release of Claims

As used in this Release of Claims (this “Release”), the term “claims” will include all claims, covenants, warranties, promises, undertakings, actions, suits, causes of action, proceedings, obligations, debts, accounts, attorneys’ fees, judgments, losses, and liabilities, of whatsoever kind or nature, in law, in equity, or otherwise. Capitalized terms used but not defined in this Release will have the meanings given to them in the employment agreement executed on August 8, 2022 and effective as of August 23, 2022, between Vistra Corp., Vistra Corporate Services Company (together, the “Company”) and Stacey Doré (my “Agreement”).

For and in consideration of the severance payments and benefits, and other good and valuable consideration, I, for and on behalf of myself and my executors, heirs, administrators, representatives, and assigns, hereby agree to release and forever discharge the Company and each of its direct and indirect parent and subsidiary entities, and all of their respective predecessors, successors, and past, current, and future parent entities, affiliates, subsidiary entities, investors, directors, shareholders, members, officers, general or limited partners, employees, attorneys, agents, and representatives, and the employee benefit plans in which I am or have been a participant by virtue of my employment with or service to the Company (collectively, the “Company Releasees”), from any and all claims that I have or may have had against the Company Releasees based on any events or circumstances arising or occurring on or prior to the date hereof and arising directly or indirectly out of, relating to, or in any other way involving in any manner whatsoever my employment by or service to the Company or the termination thereof, including without limitation any and all claims arising under federal, state, or local laws relating to employment, including without limitation claims of wrongful discharge, breach of express or implied contract, fraud, misrepresentation, defamation, intentional infliction of emotional distress, whistleblowing, or liability in tort, and claims of any kind that may be brought in any court or administrative agency, and any related claims for attorneys’ fees and costs, including, without limitation, claims under Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. Section 2000, et seq.; the Americans with Disabilities Act, as amended, 42 U.S.C. § 12101 et seq.; the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 701 et seq.; the Civil Rights Act of 1866, and the Civil Rights Act of 1991; 42 U.S.C. Section 1981, et seq.; the Age Discrimination in Employment Act, as amended, 29 U.S.C. Section 621, et seq. (the “ADEA”); the Equal Pay Act, as amended, 29 U.S.C. Section 206(d); regulations of the Office of Federal Contract Compliance, 41 C.F.R. Section 60, et seq.; the Family and Medical Leave Act, as amended, 29 U.S.C. § 2601 et seq.; the Fair Labor Standards Act of 1938, as amended, 29 U.S.C. § 201 et seq.; the Employee Retirement Income Security Act, as amended, 29 U.S.C. § 1001 et seq.; and any similar state or local law. I agree further that this Release may be pleaded as a full defense to any action, suit, arbitration, or other proceeding covered by the terms hereof that is or may be initiated, prosecuted, or maintained by me or my descendants, dependents, heirs, executors, administrators, or assigns. By signing this Release, I acknowledge that I intend to waive and release all rights known or unknown that I may have against the Company Releasees under these and any other laws.

I acknowledge and agree that as of the date I execute this Release, I have no knowledge of any facts or circumstances that give rise or could give rise to any claims under any of the laws listed in the preceding paragraph and that I have not filed any claim against any of the Releasees before any local, state, federal, or foreign agency, court, arbitrator, mediator, arbitration or mediation panel, or other body, but excluding claims, reports, disclosures, or complaints brought to any government agencies, (each individually a “Proceeding”). I acknowledge that I will not initiate or cause to be initiated on my behalf any Proceeding and will not participate in any Proceeding, in each case, except as required by law or to the extent such Proceeding relates to a

claim not waived hereunder. Further, I understand that, by executing this Release, I will be limiting the availability of certain remedies that I may have against the Company and limiting also my ability to pursue certain claims against the Company Releasees, provided, however, that I understand this Agreement does not limit my right to receive an award for information provided to any governmental agencies that I may be entitled to recover pursuant to whistleblower laws, rules or regulations, including but not limited to Securities and Exchange Commission (“SEC”) Rule 21F-17. For the

avoidance of doubt, I understand that I am not required to disclose any claims, reports, disclosures, or complaints to government agencies (such as the SEC) to the Company.

By executing this Release, I specifically release all claims relating to my employment and its termination under ADEA, a federal statute that, among other things, prohibits discrimination on the basis of age in employment and employee benefit plans.

Notwithstanding the generality of the foregoing, I do not release (i) claims to receive my severance payments and benefits in accordance with the terms of the Agreement, (ii) claims with respect to benefits to which I am entitled under the employee benefit and compensation plans of the Company and its affiliates, including any rights to equity, (iii) claims to indemnification, or (iv) claims that cannot be waived by law. Further, nothing in this Release shall prevent me from (i) initiating or causing to be initiated on my behalf any claim against the Company before any local, state, or federal agency, court, or other body challenging the validity of the waiver of my claims under the ADEA (but no other portion of such waiver); (ii) initiating or participating in an investigation or proceeding conducted by the EEOC; or (iii) reporting possible violations of federal, states, or local law or regulation to any governmental agency (including but not limited to the Department of Justice and the SEC), or making other disclosures to, communicating directly with, responding to an inquiry from, or providing testimony before such governmental agency, regarding possible violations of federal, state, or local law or regulation, without prior notice to the Company.

I acknowledge that I have been given at least [21]/[45]days in which to consider this Release. I acknowledge further that the Company has advised me to consult with an attorney of my choice before signing this Release, and I have had sufficient time to consider the terms of this Release. I represent and acknowledge that if I execute this Release before [21]/[45]days have elapsed, I do so knowingly, voluntarily, and upon the advice and with the approval of my legal counsel (if any), and that I voluntarily waive any remaining consideration period.

I understand that after executing this Release, I have the right to revoke it within seven days after its execution. I understand that this Release will not become effective and enforceable unless the seven-day revocation period passes and I do not revoke the Release in writing. I understand that this Release may not be revoked after the seven (7)-day revocation period has passed. I understand also that any revocation of this Release must be made in writing and delivered to the Company at its principal place of business within the seven (7)-day period.

This Release will become effective, irrevocable, and binding on the eighth day after its execution, so long as I have not timely revoked it as set forth above. I understand and acknowledge that I will not be entitled to the severance payments and benefits unless this Release is effective on or before the date that is sixty (60) days following the date of my termination of employment.

¹ NTD: To be selected based on whether applicable termination was "in connection with an exit incentive or other employment termination program" (as such phrase is defined in the Age Discrimination in Employment Act of 1967).

I hereby agree to waive any and all claims to re-employment with the Company or any of its affiliates and affirmatively agree not to seek further employment with the Company or any of its affiliates.

The provisions of this Release will be binding upon my heirs, executors, administrators, legal representatives, and assigns. If any provision of this Release will be held by any court of competent jurisdiction to be illegal, void, or unenforceable, such provision will be of no force or effect. The illegality or unenforceability of such provision, however, will have no effect upon and will not impair the enforceability of any other provision of this Release.

This Release will be governed in accordance with the laws of the State of Delaware, without reference to the principles of conflicts of law. Any dispute or claim arising out of or relating to this Release or claim of breach hereof will be brought exclusively in the federal and state courts located within Delaware. By execution of this Release, I am waiving any right to trial by jury in connection with any suit, action, or proceeding under or in connection with this Release.

Stacey Doré

DATE

Exhibit 21.1

Significant Subsidiaries of Vistra Corp.
As of December 31, 2022 December 31, 2023

SUBSIDIARY	STATE OR COUNTRY OF INCORPORATION OR ORGANIZATION
1 Ambit Energy Holdings, LLC	Texas
2 Ambit Holdings, LLC	Texas
3 Ambit Northeast, LLC	Delaware
4 Comanche Peak Power Company Ambit Texas, LLC	Delaware Texas
5 Crius Energy, Comanche Peak Power Company LLC	Delaware
6 Crius Energy, Corporation LLC	Delaware
7 Crius Energy Holdings, LLC	Delaware
8 Dynegy Coal Holdco, LLC	Delaware
8 9 Dynegy Energy Services (East), LLC	Delaware
9 10 Dynegy Energy Services, LLC	Delaware
10 11 Dynegy Marketing and Trade, LLC	Delaware
11 12 Dynegy Midwest Generation, LLC	Delaware
12 13 Dynegy Resources Generating Holdco, LLC	Delaware
13 14 EquiPower Resources Corp.	Delaware
14 Hanging Rock Power Company LLC	Delaware
15 Illinois Power Generating Company	Illinois
16 Illinois Power Marketing Company LLC	Illinois Delaware
17 Illinois Power Resources, LLC	Delaware
18 IPH, LLC	Delaware
19 Kendall Power Company LLC	Delaware
20 Kincaid Generation, L.L.C.	Virginia
21 20 La Frontera Holdings, LLC	Delaware
22 Luminant Coal Generation LLC	Delaware
23 21 Luminant Commercial Asset Management LLC	Delaware Ohio
24 22 Luminant Energy Company LLC	Texas
25 23 Luminant Generation Company LLC	Texas
26 24 Luminant Power LLC	Delaware
27 25 Miami Fort Power Company LLC	Delaware
28 26 Oak Grove Management Company LLC	Delaware
29 Sithe Energies, Inc.	Delaware
30 27 TXU Energy Retail Company LLC	Texas
31 28 Vistra Asset Company LLC	Delaware
32 29 Vistra Intermediate Company LLC	Delaware
33 30 Vistra Operations Company LLC	Delaware
34 31 Vistra Preferred, Inc. LLC	Delaware
35 32 Volt Asset Company, Inc. LLC	Delaware

Exhibit 23.1

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in:

- in Registration Statement No. 333-276736 on Form S-3, Registration Statement No. 333-215288 on Post-effective Amendment No. 2 to Form S-1 on Form S-3, (Registration Statement No. 333-215288)
- Form S-8 (Registration and Registration Statement Nos. 333-219687 and 333-232025)

333-232025 on Form S-8 of our reports dated March 1, 2023 February 28, 2024, relating to the financial statements and financial statement schedule of Vistra Corp. and its subsidiaries and the effectiveness of Vistra Corp. and its subsidiaries' internal control over financial reporting appearing in this Annual Report on Form 10-K of Vistra Corp. for the year ended December 31, 2022 December 31, 2023.

/s/ DELOITTE & TOUCHE LLP

Dallas, Texas

March 1, 2023

February 28, 2024

Exhibit 31.1

**CERTIFICATION OF CHIEF EXECUTIVE OFFICER
PURSUANT TO
EXCHANGE ACT RULES 13a-14(a) AND 15d-14(a),
AS ADOPTED PURSUANT TO
SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, James A. Burke, certify that:

1. I have reviewed this Annual Report on Form 10-K of Vistra Corp.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: March 1, 2023 February 28, 2024

/s/ James A. Burke

James A. Burke

President and Chief Executive Officer

(Principal Executive Officer)

**CERTIFICATION OF CHIEF FINANCIAL OFFICER
PURSUANT TO
EXCHANGE ACT RULES 13a-14(a) AND 15d-14(a),
AS ADOPTED PURSUANT TO
SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Kristopher E. Moldovan, certify that:

1. I have reviewed this Annual Report on Form 10-K of Vistra Corp.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: **March 1, 2023** February 28, 2024

/s/ Kristopher E. Moldovan

Kristopher E. Moldovan

Chief Financial Officer

(Principal Financial Officer)

**CERTIFICATION OF CHIEF EXECUTIVE OFFICER
PURSUANT TO 18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Annual Report of Vistra Corp. (the "Company") on Form 10-K for the period ended **December 31, 2022** December 31, 2023 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, James A. Burke, President and Chief Executive Officer of the Company, hereby certify as of the date hereof, solely for the purposes of Title 18, Chapter 63, Section 1350 of the United States Code, that to the best of my knowledge:

- (1) the Report fully complies with the requirements of Section 13(a) or 15(d), as applicable, of the Securities Exchange Act of 1934, and

(2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company at the dates and for the periods indicated.

Date: **March 1, 2023** February 28, 2024

/s/ James A. Burke

James A. Burke

President and Chief Executive Officer

(Principal Executive Officer)

The foregoing certification is not deemed filed with the Securities and Exchange Commission for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (Exchange Act), and is not to be incorporated by reference into any filing of Vistra Corp. under Securities Act of 1933, as amended, or the Exchange Act, whether made before or after the date hereof, regardless of any general incorporation language of such filing.

Exhibit 32.2

**CERTIFICATION OF CHIEF FINANCIAL OFFICER
PURSUANT TO 18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Annual Report of Vistra Corp. (the "Company") on Form 10-K for the period ended **December 31, 2022** December 31, 2023 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Kristopher E. Moldovan, Chief Financial Officer of the Company, hereby certify as of the date hereof, solely for the purposes of Title 18, Chapter 63, Section 1350 of the United States Code, that to the best of my knowledge:

- (1) the Report fully complies with the requirements of Section 13(a) or 15(d), as applicable, of the Securities Exchange Act of 1934, and
- (2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company at the dates and for the periods indicated.

Date: **March 1, 2023** February 28, 2024

/s/ Kristopher E. Moldovan

Kristopher E. Moldovan

Chief Financial Officer

(Principal Financial Officer)

The foregoing certification is not deemed filed with the Securities and Exchange Commission for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (Exchange Act), and is not to be incorporated by reference into any filing of Vistra Corp. under Securities Act of 1933, as amended, or the Exchange Act, whether made before or after the date hereof, regardless of any general incorporation language of such filing.

Exhibit 95.1

Mine Safety Disclosures

Safety is a top priority in all our businesses, and accordingly, it is a key component of our focus on operational excellence, our employee performance reviews and employee compensation. Our health and safety program objectives are to prevent workplace accidents and ensure that all employees return home safely and comply with all regulations.

Vistra currently owns and operates, or is in the process of reclaiming, 12 surface lignite coal mines in Texas to provide fuel for its electricity generation facilities. Vistra also owns or leases, and is in the process of reclaiming, two waste-to-energy surface facilities in Pennsylvania. These mining operations are regulated by the U.S. Mine Safety and Health Administration (MSHA) under the Federal Mine Safety and Health Act of 1977, as amended (the Mine Act), as well as other regulatory agencies such as the RCT. The MSHA inspects U.S. mines, including Vistra's, on a regular basis and if it believes a violation of the Mine Act or any health or safety standard or other regulation has occurred, it may issue a citation or order, generally accompanied by a proposed fine or assessment. Such citations and orders can be contested and appealed to the Federal Mine Safety and Health Review Commission (FMSHRC), which often results in a reduction of the severity and amount of fines and assessments and sometimes results in dismissal. The number of citations, orders and proposed assessments vary depending on the size of the mine as well as other factors.

Disclosures related to specific mines pursuant to Section 1503 of the Dodd-Frank Wall Street Reform and Consumer Protection Act and Item 104 of Regulation S-K sourced from data documented at **January 15, 2023** **January 10, 2024** in the MSHA Data Retrieval System for the year ended **December 31, 2022** **December 31, 2023** (except pending legal actions, which are at **December 31, 2022** **December 31, 2023**), are as follows:

Mine (a)	Mine (a)	Section 104 S and S Citations (b)	Section 104(b) Orders	Section 104(d) Citations and Orders	Section 110(b)(2) Violations	Section 107(a) Orders	Total Dollar Value of MSHA Assessments Proposed (c)	Total Number of Mining Related Fatalities	Received Notice of Pattern of Violations Under Section 104(e)	Received Notice of Potential to Have Pattern Under Section 104(e)	Legal Actions Pending at Last Day of Period (d)	Legal Actions Initiated During Period	Legal Actions Resolved During Period	Mine (a)	Section 104 S and S Citations (b)
Beckville	Beckville	—	—	—	—	—	—	—	—	—	—	—	—	Beckville	—
Big Brown	Big Brown	—	—	—	—	—	—	—	—	—	—	—	—	Big Brown	—
Bremond	Bremond	—	—	—	—	—	—	—	—	—	—	—	—	Bremond	—
Honeybrook	Honeybrook	—	—	—	—	—	—	—	—	—	—	—	—	Honeybrook	—
Refuse Operation	Refuse Operation	—	—	—	—	—	—	—	—	—	—	—	—	Refuse Operation	—
Kosse	Kosse	10	—	—	—	—	17	—	—	—	—	2	2	Kosse	7
Leesburg	Leesburg	—	—	—	—	—	—	—	—	—	—	—	—	Leesburg	—
Liberty	Liberty	—	—	—	—	—	—	—	—	—	—	—	—	Liberty	—
Northeastern	Northeastern	—	—	—	—	—	—	—	—	—	—	—	—	Northeastern	—
Power Cogeneration Facility	Power Cogeneration Facility	—	—	—	—	—	—	—	—	—	—	—	—	Power Cogeneration Facility	—
Oak Hill	Oak Hill	—	—	—	—	—	—	—	—	—	—	—	—	Oak Hill	—
Sulphur Springs	Sulphur Springs	—	—	—	—	—	—	—	—	—	—	—	—	Sulphur Springs	—
Tatum	Tatum	—	—	—	—	—	—	—	—	—	—	—	—	Tatum	—
Three Oaks	Three Oaks	—	—	—	—	—	—	—	—	—	—	—	—	Three Oaks	—
Winfield	Winfield	—	—	—	—	—	—	—	—	—	—	—	—	Winfield	—
North	North	—	—	—	—	—	—	—	—	—	—	—	—	North	—
Winfield	Winfield	—	—	—	—	—	—	—	—	—	—	—	—	Winfield	—
South	South	—	—	—	—	—	—	—	—	—	—	—	—	South	—

- (a) Excludes mines for which there were no applicable events.
- (b) Includes MSHA citations for mandatory health or safety standards that could significantly and substantially contribute to a serious injury if left unabated.
- (c) Total value in thousands of dollars for proposed assessments received from MSHA for all citations and orders issued in the year ended **December 31, 2022** **December 31, 2023**, including but not limited to Sections 104, 107 and 110 citations and orders that are not required to be reported.
- (d) There were two pending actions before the FMSHRC involving a coal or other mine. **All Both** pending legal actions are contests of citations and **orders, orders and proposed penalties.**

Exhibit 97.1

Vistra Corp.

CLAWBACK POLICY

I. SCOPE

The Clawback Policy (this "Policy") applies to the current and former executive officers of Vistra Corp. (the "Company"), as determined by the Social Responsibility and Compensation Committee of the Board of Directors of the Company (the "Committee") in accordance with Section 10D of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and any other senior executives or employees who may from time to time be deemed subject to this Policy by the Committee (collectively, the "Covered Individuals").

This Policy shall be binding and enforceable against all Covered Individuals and their beneficiaries, heirs, executors, administrators or other legal representatives.

II. PURPOSE

This Policy provides for the Recoupment (as defined below) of certain executive compensation in the event of an accounting restatement of its financial statements resulting from material noncompliance with any financial reporting requirement under the federal securities laws. This Policy is designed to comply with Section 10D of the Exchange Act, the rules promulgated thereunder, and the applicable rules or listing standards adopted by the Securities and Exchange Commission or any national securities exchange on which the Company's securities are listed.

The Company is firmly committed to achieving compliance with all applicable securities laws and regulations. The Company also believes this Policy reinforces the Company's pay-for-performance compensation philosophy and further aligns the Company's executives' interests with those of our stockholders.

III. POLICY

In the event the Company is required to prepare an accounting restatement of its financial statements due to material noncompliance with any financial reporting requirement under the federal securities laws, including any required accounting restatement (i) to correct an error in previously issued financial statements that is material to the previously issued financial statements, or (ii) that would result in a material misstatement if the error were corrected in the current period or left uncorrected in the current period (each, an "Accounting Restatement"), the Committee will reasonably promptly require Recoupment of any Overpayment (as defined below) received by any Covered Individual during the three completed fiscal years immediately preceding the Restatement Date and any transition period (that results from a change in the Company's fiscal year) within or immediately following those three completed fiscal years.

This Policy does not apply to Incentive Compensation (as defined below) received by a person: (i) prior to becoming a Covered Individual; or (ii) if the person was not a Covered Individual at any time during the performance period for the applicable Incentive Compensation.

IV. AMOUNT SUBJECT TO RECOUPMENT

The amount to be recovered shall be the excess of the Incentive Compensation received by each Covered Individual during the three completed fiscal years immediately preceding the Accounting Restatement over the amount that would have been paid based on the restated financial results, without regard to taxes paid (the "Overpayment").

For Incentive Compensation based on stock price or total shareholder return, where the amount of erroneously awarded compensation is not subject to mathematical recalculation directly from the information in the Accounting Restatement, the amount will be based on a reasonable estimate by the Committee of the effect of the Accounting Restatement on the stock price or total shareholder return upon which the Incentive Compensation was received, and the Company will maintain documentation of the determination of that reasonable estimate and provide such documentation to the national exchange on which the Company's securities are listed.

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V. METHOD OF RECOUPMENT

The Committee shall recover any Overpayment reasonably, promptly, and in accordance with this Policy, unless such recovery would be impracticable, as determined by the Committee in accordance with Rule 10D-1 of the Exchange Act and the applicable listing standards of the national securities exchange on which any of the Company's securities are listed.

The method or methods for recouping Incentive Compensation, as determined by the Committee in its reasonable discretion, may include, but shall not be limited to: (i) requiring direct repayment of cash Incentive Compensation previously paid; (ii) offsetting any or all of the Overpayment from any compensation otherwise owed by the Company and its subsidiaries to the Covered Individual; (iii) seeking the recovery of any gain realized from the vesting, exercise, settlement, sale, transfer or other disposition of equity-based awards granted as Incentive Compensation; (iv) cancelling, in whole or in part, outstanding vested or unvested equity awards; and/or (v) taking any other remedial or recovery action permitted by law.

Any right of Recoupment under this Policy is in addition to, and not in lieu of, any other remedies or rights of recoupment that may be available to the Company pursuant to the terms of any similar policy in any employment agreement, equity award agreement, cash-based bonus plan or program, or similar agreement and any other legal remedies available to the Company.

VI. EFFECTIVE DATE

This Policy shall be effective as of the date it is adopted by the Board (the "Effective Date") and shall apply to Incentive Compensation that is approved, awarded or granted to Covered Individuals on or after that date (including Incentive Compensation granted after the Effective Date pursuant to arrangements existing prior to the Effective Date). Notwithstanding the foregoing, this Policy shall only apply to Incentive Compensation received (as determined pursuant to this Policy) on or after October 2, 2023.

VII. NO ADDITIONAL PAYMENTS

In no event shall the Company be required to award a Covered Individual an additional payment if the restated or accurate financial results would have resulted in a higher Incentive Compensation payment.

VIII. NO INDEMNIFICATION

The Company shall not indemnify any Covered Individual against the loss of any Incentive Compensation that is recovered under this Policy. Each Covered Individual agrees that any recovery or attempted recovery of an Overpayment will not constitute a "Covered Proceeding" (or similar term under any Indemnification Agreement) and will not otherwise be subject to indemnification under any such Indemnification Agreement. Further, each Covered Individual agrees, as a condition of receiving any Incentive Compensation, that this Policy will and does amend any Indemnification Agreement to the extent necessary to give effect to this Policy.

IX. GOVERNANCE / IMPLEMENTATION

This Policy shall be administered by the Committee. The Committee will have full and final authority to interpret, administer, apply and make all determinations with respect to this Policy. All actions taken and all interpretations and determinations made by the Committee will be final, conclusive and binding on the Company, Covered Individuals and any other affected individuals. It is intended that this Policy be interpreted in a manner that is consistent with the requirements of Section 10D of the Exchange Act and any applicable rules or standards adopted by the Securities and Exchange Commission or any national securities exchange on which the Company's securities are listed.

The Committee shall report to the Company's Board of Directors (the "Board") any Recoupment determination made with respect to a Covered Individual.

The Board reserves the right to modify or amend this Policy from time to time in its discretion without prior notice and shall amend this Policy as it deems necessary to reflect final regulations adopted by the

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Securities and Exchange Commission under Section 10D of the Exchange Act and to comply with any rules or standards adopted by a national securities exchange on which the Company's securities are listed. The Board may terminate this Policy at any time.

The Company will make prudent efforts to notify relevant employees when a material change to this Policy has been made, but employees are responsible for their own up-to-date knowledge about Company policies and procedures.

X. DEFINITIONS / KEY TERMS

Incentive Compensation – For purposes of this Policy, "Incentive Compensation" means any compensation that is earned, granted or vested based wholly or in part upon the attainment of any Financial Reporting Measure (as defined below) of the Company, including, but not limited to, (i) non-equity incentive plan awards that are earned solely or in part by satisfying a Financial Reporting Measure performance goal; (ii) bonuses paid from a bonus pool, where the size of the pool is determined solely or in part by satisfying a Financial Reporting Measure performance goal; (iii) other cash awards based on satisfaction of a Financial Reporting Measure performance goal; (iv) restricted stock, restricted stock units, stock options, stock appreciation rights, and performance share units that are granted or vest solely or in part based on satisfaction of a Financial Reporting Measure performance goal; and (v) proceeds from the sale of shares acquired through an incentive plan that were granted or vested solely or in part based on satisfaction of a Financial Reporting Measure performance goal. Incentive Compensation shall be deemed received by the Covered Individual in the fiscal period in which the Financial Reporting Measure specified in the Incentive Compensation award is attained, even if the vesting, payment or grant of Incentive Compensation occurs after the end of that period.

Indemnification Agreement– For purposes of this Policy, "Indemnification Agreement" means any agreement, understanding or document (including by-laws, articles of incorporation or similar documents) that indemnifies or purports to indemnify any Covered Individual for losses incurred as a result of such Covered Individual's service to the Company or its subsidiaries or affiliates.

Financial Reporting Measure– For purposes of this Policy, "Financial Reporting Measure" means (i) any measure that is determined and presented in accordance with the accounting principles used in preparing financial statements, and any measure derived wholly or in part from such measure; and (ii) stock price and total shareholder return.

Recoupment – For purposes of this Policy, "Recoupment" means the recapture, recovery, cancellation or forfeiture of compensation to, or similar actions regarding, a Covered Individual, whether or not such compensation already has been paid or has vested.

Restatement Date – For purposes of this Policy, "Restatement Date" means the earlier to occur of (i) the date the Board, a committee of the Board or the officers of the Company authorized to take such action if Board action is not required, concludes, or reasonably should have concluded, that the Company is required to prepare an Accounting Restatement, or (ii) the date a court, regulator or other legally authorized body directs the Company to prepare an Accounting Restatement.

Adopted by the Board of Directors: August 3, 2023

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ATTACHMENT

ATTESTATION AND ACKNOWLEDGEMENT OF POLICY FOR THE RECOVERY OF OVERPAYMENT

By my signature below, I acknowledge and agree that:

- I have received and read the attached Clawback Policy (this "Policy").
- I hereby agree to abide by all of the terms of this Policy both during and after my employment with the Company, including, without limitation, by promptly repaying or returning any Overpayment to the Company as determined in accordance with this Policy.

Signature: _____

Name: _____ Date: _____

DISCLAIMER

THE INFORMATION CONTAINED IN THE REFINITIV CORPORATE DISCLOSURES DELTA REPORT™ IS A COMPARISON OF TWO FINANCIALS PERIODIC REPORTS. THERE MAY BE MATERIAL ERRORS, OMISSIONS, OR INACCURACIES IN THE REPORT INCLUDING THE TEXT AND THE COMPARISON DATA AND TABLES. IN NO WAY DOES REFINITIV OR THE APPLICABLE COMPANY ASSUME ANY RESPONSIBILITY FOR ANY INVESTMENT OR OTHER DECISIONS MADE BASED UPON THE INFORMATION PROVIDED IN THIS REPORT. USERS ARE ADVISED TO REVIEW THE APPLICABLE COMPANY'S ACTUAL SEC FILINGS BEFORE MAKING ANY INVESTMENT OR OTHER DECISIONS.

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