

FORM 6-K SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549 Report of Foreign Private Issuer Pursuant to Rule 13a-16 or 15d-16 of the Securities Exchange Act of 1934 For the month of: January, 2025 Commission File Number: 1-12384 SUNCOR ENERGY INC. (Name of registrant) 150 Avenue S.W. P.O. Box 2844 Calgary, Alberta Canada, T2P 3E3 Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F: Form 20-F ☐ Form 40-F ☒ SIGNATURES Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized. SUNCOR ENERGY INC. Date: January 23, 2025 By: Shawn Poirier Shawn Poirier Assistant Corporate Secretary EXHIBIT INDEX Exhibit Description of Exhibit 99.1 News Release dated January 22, 2025, Suncor Energy to release fourth quarter 2024 financial results Exhibit 99.1 News Release Suncor Energy to release fourth quarter 2024 financial results Calgary, Alberta (January 22, 2025) Suncor Energy (TSX: SU) (NYSE: SU) will release its fourth quarter financial results on February 5, 2025 before 5:00 p.m. MT (7:00 p.m. ET). A webcast to review the fourth quarter will be held on February 6, 2025 at 7:30 a.m. MT (9:30 a.m. ET). Representing management will be Rich Kruger, President and Chief Executive Officer and Kris Smith, Chief Financial Officer. A question and answer period with analysts will follow brief remarks from management. Troy Little, Senior Vice President, External Affairs will host the call. To listen to the webcast, please join here. If you are an analyst and would like to participate in the Q&A period, please register here. Suncor Energy is Canada's leading integrated energy company. Suncor's operations include oil sands development, production and upgrading; offshore oil production; petroleum refining in Canada and the U.S.; and the company's Petro-Canada retail and wholesale distribution networks (including Canada's Electric Highway, a coast-to-coast network of fast-charging EV stations). Suncor is developing petroleum resources while advancing the transition to a lower-emissions future through investments in lower emissions intensity power, renewable feedstock fuels and projects targeting emissions intensity. Suncor also conducts energy trading activities focused primarily on the marketing and trading of crude oil, natural gas, byproducts, refined products and power. Suncor's common shares (symbol: SU) are listed on the Toronto and New York stock exchanges. For more information about Suncor, visit our website at [suncor.com](http://suncor.com). Media inquiries: (833) 296-4570 [media@suncor.com](mailto:media@suncor.com) Suncor Energy 150 6 Avenue S.W. Calgary, Alberta T2P 3E3 [suncor.com](http://suncor.com)