

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 2054

Form-

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO
RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 193
4

For the month of May 2024

Commission file number: 001-10533 Commission file number: 001-34121

Rio Tinto plc

(Translation of registrant's name into English)

6 St. James's Square
London, SW1Y 4AD, United Kingdom
(Address of principal executive offices)

Rio Tinto Limited

ABN 96 004 458 404

(Translation of registrant's name into English)

Level 43, 120 Collins Street
Melbourne, Victoria 3000, Australia
(Address of principal executive offices)

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

EXHIBITS

- 99.1 [Stock Exchange announcement dated 1 May 2024 entitled 'Total voting rights and issued capital'.](#)
- 99.2 [Stock Exchange announcement dated 1 May 2024 entitled 'Block Listing'.](#)
- 99.3 [Stock Exchange announcement dated 2 May 2024 entitled 'Shareholdings of persons discharging managerial responsibility \(PDMR\) / Key Management Personnel \(KMP\)'.](#)
- 99.4 [Stock Exchange announcement dated 2 May 2024 entitled 'Appendix 3Z – Final Director's Interest Notice'.](#)
- 99.5 [Stock Exchange announcement dated 3 May 2024 entitled 'Block Listing Six Monthly Return'.](#)
- 99.6 [Stock Exchange announcement dated 10 May 2024 entitled 'Shareholdings of persons discharging managerial responsibility \(PDMR\) / Key Management Personnel \(KMP\)'.](#)
- 99.7 [Stock Exchange announcement dated 14 May 2024 entitled 'Bank of America Global Metals, Mining & Steel Conference 2024'.](#)
- 99.8 [Stock Exchange announcement dated 16 May 2024 entitled 'Appendix 3G – Notification of issue, conversion or payment up of unquoted equity securities'.](#)
- 99.9 [Media Release dated 27 May 2024 entitled 'Rio Tinto and BHP collaborate on battery-electric haul trucks trials in the Pilbara'.](#)
- 99.10 [Stock Exchange announcement dated 28 May 2024 entitled 'Shareholdings of persons discharging managerial responsibility \(PDMR\) / Key Management Personnel \(KMP\)'.](#)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrants have duly cause
this report to be signed on their behalf by the undersigned, thereunto duly authorise
d.

Rio Tinto plc
(Registrant)

By /s/ Andrew Hodges
Name Andrew Hodge
Title Company Secretary
Date 3 June 2024

Rio Tinto Limited
(Registrant)

By /s/ Tim Paine
Name Tim Paine
Title Company Secretary
Date 3 June 2024

RioTinto

Notice to LSE

Total voting rights and issued capita

1 May 2024

In accordance with the Financial Conduct Authority's (FCA) Disclosure Guidance and Transparency Rule 5.6.1R, Rio Tinto plc notifies the market that as of 30 April 2024:

1. Rio Tinto plc's issued share capital comprised 1,255,915,469 Ordinary shares of 10p each, each with one vote.
2. 3,340,902 Ordinary shares of 10p each are held in treasury. These shares are not taken into consideration in relation to the payment of dividends and voting at shareholder meetings.

Accordingly the total number of voting rights in Rio Tinto plc is 1,252,574,567. This figure may be used by shareholders (and others with notification obligations) as the denominator for the calculation by which they will determine if they are required to notify their interest in, or a change to their interest in, Rio Tinto plc under the FCA's Disclosure Guidance and Transparency Rules.

Note:

As at the date of this announcement:

- (a) Rio Tinto plc has also issued one Special Voting Share of 10p and one DLC Dividend Share of 10p in connection with its dual listed companies ('DLC') merger with Rio Tinto Limited which was designed to place the shareholders of both companies in substantially the same position as if they held shares in a single enterprise owning all of the assets of both companies;
- (b) the Special Voting Share facilitates joint voting by shareholders of Rio Tinto plc and Rio Tinto Limited on joint electorate resolutions; and
- (c) there are 371,216,214 publicly held Rio Tinto Limited shares in issue which do not form part of the share capital of Rio Tinto plc.

LEI: 213800YOE05OQ72G2R82

Classification: 2.5 Total number of voting rights and capital disclosed under article 15 of the Transparency Directive

Notice to LSE

2 / 2

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No. 719885

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Registered in Australia
ABN 96 004 458 404

This announcement is authorised for release to the market by Andy Hodges, Rio Tinto's Group Company Secretary.

RioTinto

Notice to LSE

Block Listing

1 May 2024

Rio Tinto plc (the "Company") has made an application to the Financial Conduct Authority and the London Stock Exchange for the block listing of 35,000 ordinary shares of 10 pence each in the Company to be admitted to the Official List and to be traded on the Main Market of the London Stock Exchange.

The shares will be issued pursuant to the rules of the Company's Global Employee Share Plan and will rank pari passu with the Company's existing issued shares.

It is expected that admission will be effective on 3 May 2024.

LEI: 213800YOE05OQ72G2R82

Classification: 3.1 Additional regulated information required to be disclosed under the laws of a Member State

Notice to LSE

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RioTinto

Notice to ASX/LSE

Shareholdings of persons discharging managerial responsibility (PDMR) / Key Management Personnel (KMP)

2 May 2024

As part of its dual listed company structure, Rio Tinto notifies dealings in Rio Tinto plc and Rio Tinto Limited securities by PDMRs / KMPs to both the Australian Securities Exchange (ASX) and the London Stock Exchange (LSE).

UK Share Plan (UKSP)

The UKSP is an HMRC approved Share Incentive Plan under which qualifying UK employees are able to purchase, on a quarterly basis, Rio Tinto plc shares. Rio Tinto plc shares are purchased out of monthly deductions from salary, and participants are allocated an equivalent number of shares free of charge (matching shares). Qualifying UK employees are also awarded Free Shares once a year.

On 30 April 2024, the following PDMR / KMP were awarded Free Shares under the UKSP:

Security	Name of PDMR / KMP	Number of shares awarded	Price per share GBP
Rio Tinto plc	Baatar, Bold	65	54.57
Rio Tinto plc	Cunningham, Peter	65	54.57
Rio Tinto plc	Stausholm, Jakob	65	54.57

FCA notifications in accordance with the EU Market Abuse Regulation have been issued to the London Stock Exchange contemporaneously with this release.

LEI: 213800YOE05OQ72G2R82

Classification: 3.1. Information disclosed under article 19 of the Market Abuse Regulation.

Notice to ASX/LSE

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Rule 3.19A.3

Appendix 3Z

Final Director's Interest Notice

Information or documents not available now must be given to ASX as soon as available. Information and documents given to ASX become ASX's property and may be made public.

Introduced 30/9/2001.

Name of entity	Rio Tinto Limited
ABN	96 004 458 404

We (the entity) give ASX the following information under listing rule 3.19A.3 and as agent for the director for the purposes of section 205G of the Corporations Act.

Name of director	Simon McKeon
Date of last notice	9 August 2021
Date that director ceased to be director	2 May 2024

Part 1 – Director's relevant interests in securities of which the director is the registered holder
In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust

Note: In the case of a company, interests which come within paragraph (j) of the definition of "notifiable interest of a director" should be disclosed in this part.

Number & class of securities
5,000 Rio Tinto Limited Ordinary shares

+ See chapter 19 for defined terms.

11/3/2002

Appendix 3Z Page 1

Appendix 3Z
Final Director's Interest Notice

Part 2 – Director's relevant interests in securities of which the director is not the registered holder

Note: In the case of a company, interests which come within paragraph (ii) of the definition of "notifiable interest of a director" should be disclosed in this part.

In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust

Name of holder & nature of interest <small>Note: Provide details of the circumstances giving rise to the relevant interest</small>	Number & class of securities
Interest in securities held by CVM and Co Pty Limited, a body corporate controlled by Mr McKeon	5,000 Rio Tinto Limited Ordinary shares

Part 3 – Director's interests in contracts

Detail of contract	N/A
Nature of interest	
Name of registered holder (if issued securities)	
No. and class of securities to which interest relates	

+ See chapter 19 for defined terms.

RioTinto

Notice to LSE

Block Listing Six Monthly Return

3 May 2024

In accordance with Listing Rule 3.5.6R, a final block listing return is set out below.

Name of applicant:	Rio Tinto plc
Name of scheme:	Rio Tinto plc Global Employee Share Plan
Period of return:	28 October 2023 to 2 May 2024
Balance of unallotted securities under scheme(s) from previous return:	23,998
Plus: The amount by which the block scheme(s) has been increased since the date of the last return (if any increase has been applied for):	35,000
Less: Number of securities issued / allotted under scheme(s) during period:	23,479
Equals: Balance under scheme(s) not yet issued / allotted at end of period:	35,519

Name of contact:	Andy Hodges
Telephone number of contact:	0207 781 2000

LEI: 213800YOEO5OQ72G2R82

Classification: 3.1. Additional regulated information required to be disclosed under the laws of a Member State.

Notice to LSE

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RioTinto

Notice to ASX/LSE

Shareholdings of persons discharging managerial responsibility (PDMR) / Key Management Personnel (KMP)

10 May 2024

As part of its dual listed company structure, Rio Tinto notifies dealings in Rio Tinto plc and Rio Tinto Limited securities by PDMRs / KMPs to both the Australian Securities Exchange (ASX) and the London Stock Exchange (LSE).

Rio Tinto Equity Incentive Plan 2018 (EIP) Performance Share Awards (PSA)

Performance Share Awards (PSA) are granted under the EIP and provides participants with the conditional right, subject to performance conditions being met, to receive shares. The 2024 PSA will be measured against two Performance Conditions, a Total Shareholder Return (TSR) measure and a decarbonisation related measure, after three years followed by a two-year holding period.

Consistent with the terms of our remuneration policy, the following PDMRs / KMPs were awarded the following share awards on 9 May 2024:

PDMR	Rio Tinto plc	Rio Tinto Limited
	No. of shares awarded as PSA	No. of shares awarded as PSA
Stausholm, Jakob	120,232	
Cunningham, Peter	71,195	
Baatar, Bold	65,431	
Barrios, Alfredo	67,756	
Kaufman, Sinead		49,145
Pécresse, Jérôme	66,928	
Trott, Simon		52,091

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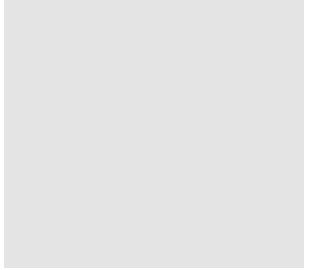
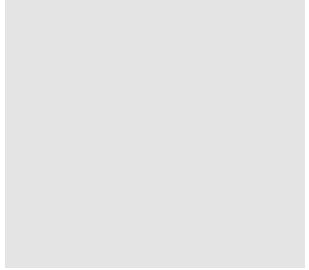
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Notice to ASX

**Bank of America Global Metals, Mining & Steel
Conference 2024**

14 May 2024

Rio Tinto Chief Executive Jakob Stausholm is presenting today at the Bank of America Global Metals, Mining & Steel Conference in Miami, USA at 10am (ET) / 3pm (BST).

The presentation is attached and is also available at the link below, along with the webcast replay.

<https://www.riotinto.com/en/invest/presentations/2024/boa-metals-mining-steel-2024>

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Rio Tinto

Jakob Stausholm

Bank of America
Global Metal, Mining & Steel conference
14 May 2024

Brockman 4, Australia

Cautionary and supporting statements

This presentation has been prepared by Rio Tinto plc and Rio Tinto Limited (together with their subsidiaries, "Rio Tinto"). By accessing/attending this presentation you acknowledge that you have read and understood the following statements.

Forward-looking statements

This presentation includes "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. All statements other than statements of historical facts included in this report, including, without limitation, those regarding Rio Tinto's financial position, business strategy, plans and objectives of management for future operations (including development plans and objectives relating to Rio Tinto's products, production forecasts and reserve and resource positions), are forward-looking statements. The words "intend", "aim", "project", "anticipate", "estimate", "plan", "believes", "expects", "may", "should", "will", "target", "set to" or similar expressions, commonly identify such forward-looking statements.

Such forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of Rio Tinto, or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements, particularly in light of the current economic climate and the significant volatility, uncertainty and disruption arising in connection with the Ukraine conflict. Such forward-looking statements are based on numerous assumptions regarding Rio Tinto's present and future business strategies and the environment in which Rio Tinto will operate in the future. Among the important factors that could cause Rio Tinto's actual results, performance or achievements to differ materially from those in the forward-looking statements include, but are not limited to: an inability to live up to Rio Tinto's values and any resultant damage to its reputation; the impacts of geopolitics on trade and investment; the impacts of climate change and the transition to a low-carbon future; an inability to successfully execute and/or realise value from acquisitions and divestments, the level of new ore resources, including the results of exploration programmes and/or acquisitions; disruption to strategic partnerships that play a material role in delivering growth, production, cash or market positioning; damage to Rio Tinto's relationships with communities and governments; an inability to attract and retain requisite skilled people; declines in commodity prices and adverse exchange rate movements; an inability to raise sufficient funds for capital investment; inadequate estimates of ore resources and reserves; delays or overruns of large and complex projects; changes in tax regulation, safety incidents or major hazard events; cyber breaches; physical impacts from climate change; the impacts of water scarcity; natural disasters; an inability to successfully manage the closure, reclamation and rehabilitation of sites; the impacts of civil unrest; the impacts of the Ukraine conflict; breaches of Rio Tinto's policies, standard and procedures, laws or regulations; trade tensions between the world's major economies; increasing societal and investor expectations, in particular with regard to environmental, social and governance considerations; the impacts of technological advancements; and such other risks identified in Rio Tinto's most recent Annual Report and accounts in Australia and the United Kingdom and the most recent Annual Report on Form 20-F filed with the United States Securities and Exchange Commission (the "SEC") or Form 6-Ks furnished to, or filed with, the SEC. Forward-looking statements should, therefore, be construed in light of such risk factors and undue reliance should not be placed on forward-looking statements. These forward-looking statements speak only as of the date of this report.

Rio Tinto expressly disclaims any obligation or undertaking (except as required by applicable law, the UK Listing Rules, the Disclosure Guidance and Transparency Rules of the Financial Conduct Authority and the Listing Rules of the Australian Securities Exchange) to release publicly any updates or revisions to any forward-looking statement contained herein to reflect any change in Rio Tinto's expectations with regard thereto or any change in events, conditions or circumstances on which any such statement is based.

Nothing in this presentation should be interpreted to mean that future earnings per share of Rio Tinto plc or Rio Tinto Limited will necessarily match or exceed its historical published earnings per share. Past performance cannot be relied on as a guide to future performance.

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This presentation contains a number of non-IFRS financial measures. Rio Tinto management considers these to be key financial performance indicators of the business and they are defined and/or reconciled in Rio Tinto's annual results press release, Annual Report and accounts in Australia and the United Kingdom and/or the most recent Annual Report on Form 20-F filed with the SEC or Form 6-Ks furnished to, or filed with, the SEC.

Reference to consensus figures are not based on Rio Tinto's own opinions, estimates or forecasts and are compiled and consensused without comment from, or endorsement or verification by, Rio Tinto. The consensus figures do not necessarily reflect guidance provided from time to time by Rio Tinto where given in relation to equivalent metrics, which to the extent available can be found on the Rio Tinto website.

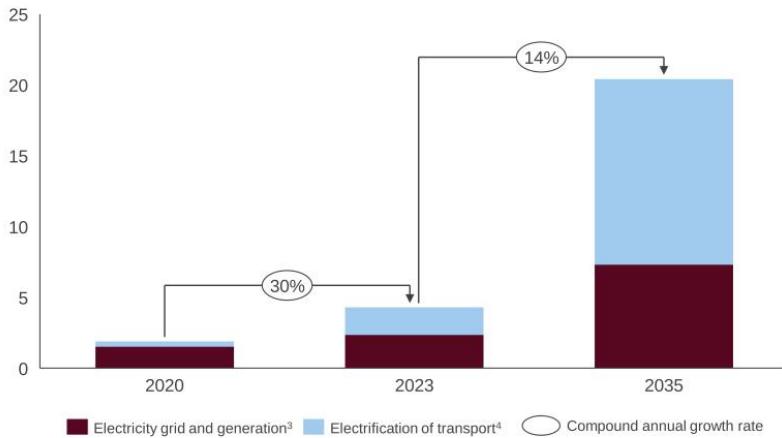
By referencing consensus figures, Rio Tinto does not imply that it endorses, confirms or expresses a view on the consensus figures. The consensus figures are provided for informational purposes only and are not intended to, nor do they, constitute investment advice or any solicitation to buy, hold or sell securities or other financial instruments. No warranty or representation, either express or implied, is made by Rio Tinto or its affiliates, or their respective directors, officers and employees, in relation to the accuracy, completeness or achievability of the consensus figures and, to the fullest extent permitted by law, no responsibility or liability is accepted by any of those persons in respect of those matters. Rio Tinto assumes no obligation to update, revise or supplement the consensus figures to reflect circumstances existing after the date hereof.

Oyu Tolgoi - production targets

The 500ktpa copper production target (stated as recoverable metal) for the Oyu Tolgoi underground and open pit mines for the years 2028 to 2036 referenced in slide 7 were previously reported in a release to the Australian Securities Exchange (ASX) dated 11 July 2023 "Investor site visit to Oyu Tolgoi copper mine, Mongolia". All material assumptions underpinning that production target continue to apply and have not materially changed.

A growing world with increasing demand for our products

Total energy transition demand¹ for copper and aluminium
($<2^{\circ}\text{C}$ scenario, Mt CuEq)²



Energy transition expected to fuel sustained growth in metals demand over next decade, accounting for 22% of combined copper and aluminium demand by 2035 (versus 7% in 2023)

Electrification of transport sector to be main driver due to rapid growth of electric vehicles and decarbonisation ambitions

Potential demand upside from rising grid modernisation requirements and other new electrification applications

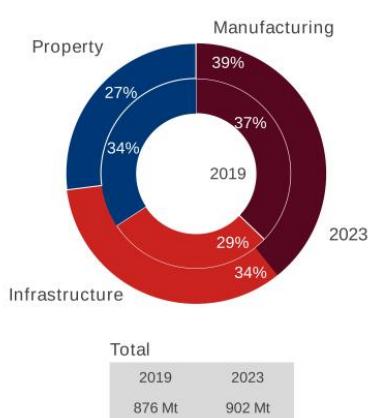
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¹ Chart does not include potential upside from additional electricity grid requirements for intermittent generation, AI / data centre growth and other emerging applications. ² Copper equivalent demand uses average annual prices from 2019-2023. Energy transition demand calculated on a gross basis except for the electricity grid which is based on the growing electricity share of energy use. Based on Rio Tinto's Competitive Leadership scenario. ³Includes power generation and grid infrastructure such as transmission and distribution lines, substations and storage to accommodate the growing renewable sources. ⁴Includes electric vehicles and charging infrastructure.

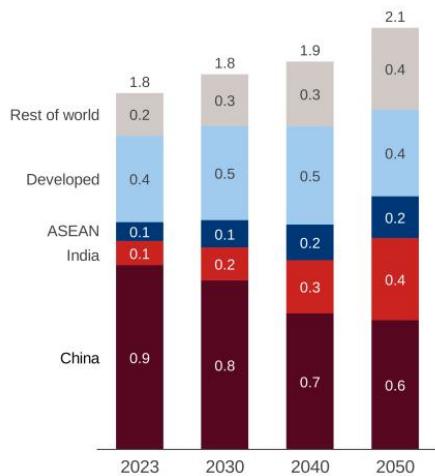
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Steel demand to continue to expand leading to resilient iron ore demand

Chinese domestic finished steel demand Growing share from manufacturing and infrastructure



Global finished steel demand (billion tonnes)



China's steel demand is evolving with weaker property offset by stronger manufacturing and infrastructure demand

Global steel demand to grow, driven by India and Southeast Asia. An increasing proportion of demand will be met by scrap-based steel but the iron ore market will remain attractive in the long run

An acceleration in direct reduced iron production, from 125 million tonnes in 2023 to ~250 million tonnes in 2035, will increase demand for higher grade iron ore

RioTinto

Source: Rio Tinto, CRU Long-term Steel Market Outlook Oct-23.

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4

Well positioned to benefit by executing on our four objectives

Finding better ways to provide the materials the world needs



Care

Courage

Curiosity

Building a performance culture around trust and care

RioTinto



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5

Delivering more stable operational results

CuEq¹ production

2023

↑ 3%

Stabilised performance, primarily in iron ore and aluminium

2024F²

↑ 2%

Embedding a continuous improvement mindset

People, asset and orebody health

Safety remains our priority

Continuing on our pathway of creating a caring, high-performance organisation

Performance

Consistent investment leading to more productive and resilient assets

Safe Production System; 5 million tonne uplift delivered at Pilbara iron ore in 2023, with a further 5 million tonne increase expected this year

Portfolio

Applying our exploration and technical capabilities to strengthen our portfolio

RioTinto

¹Based on long-term consensus pricing. ²2024F copper equivalent production is a forecast based on mid-point production guidance.



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Growing in commodities linked to the energy transition

Tier 1 copper growth



Oyu Tolgoi underground
Ramping up to 500ktpa
(100% basis)¹

High-grade iron ore



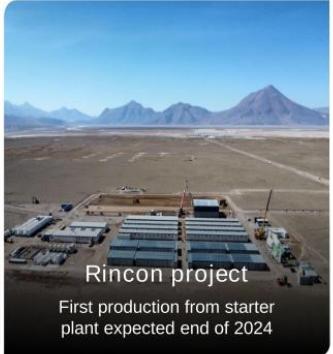
Simandou project
Blast furnace feed and
Direct Reduction Iron products

Low-carbon aluminium



Matalco joint venture
900 ktpa² of recycled aluminium

Lithium options



Rincon project
First production from starter
plant expected end of 2024

On track for 1Mt of annual
production within 5 years

Undertaking a pre-feasibility
study at Rhodes Ridge

Investing \$1.1bn at our
AP60 smelter

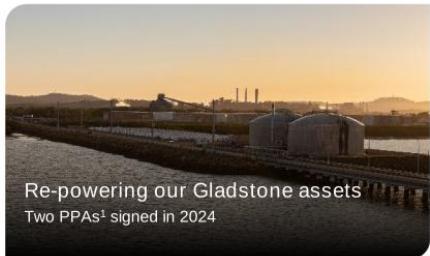
Jadar development option and
exciting global exploration
portfolio

Investing in partnerships: exploration and R&D to build options



Nuevo Cobre

World class copper terrain; unique strategic partnership with Codelco



Re-powering our Gladstone assets

Two PPAs¹ signed in 2024



Pilbara renewables

Partnering with Yindjibarndi Energy



Steel decarbonisation

Partnering with BHP and BlueScope on Australia's first electric smelting furnace pilot plant



Biolron™

Pioneering technology for steel decarbonisation



Nuton™

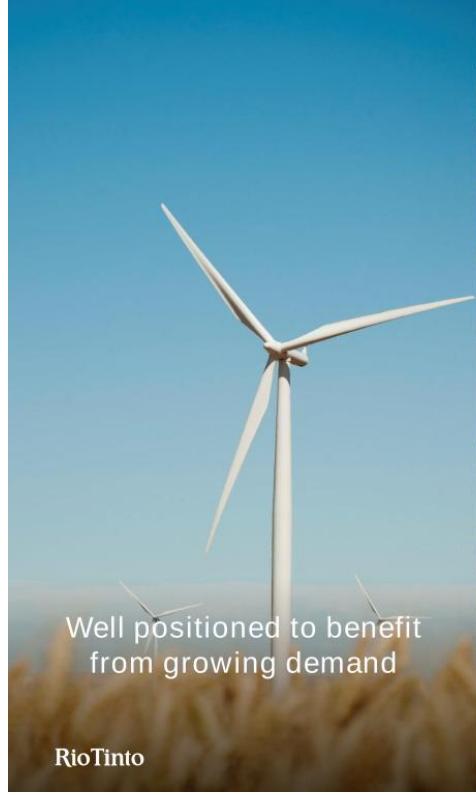
A high-recovery² and low-footprint technology

RioTinto

¹ Power purchase agreements. ² Copper recovery rates of up to 85% on primary copper sulphide ore bodies.

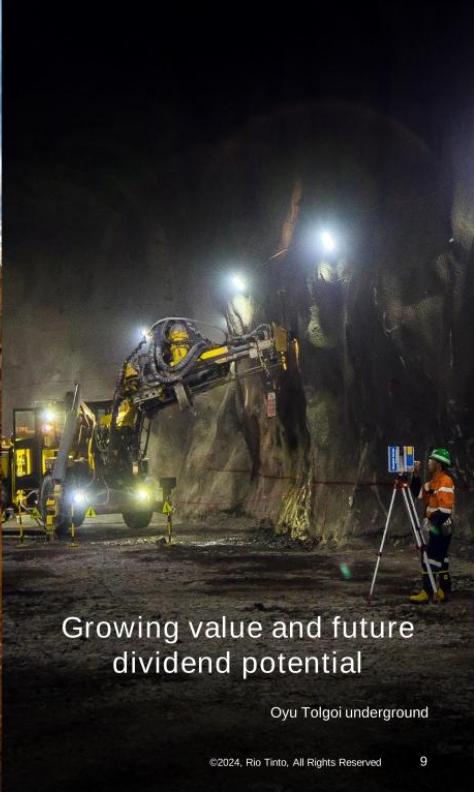
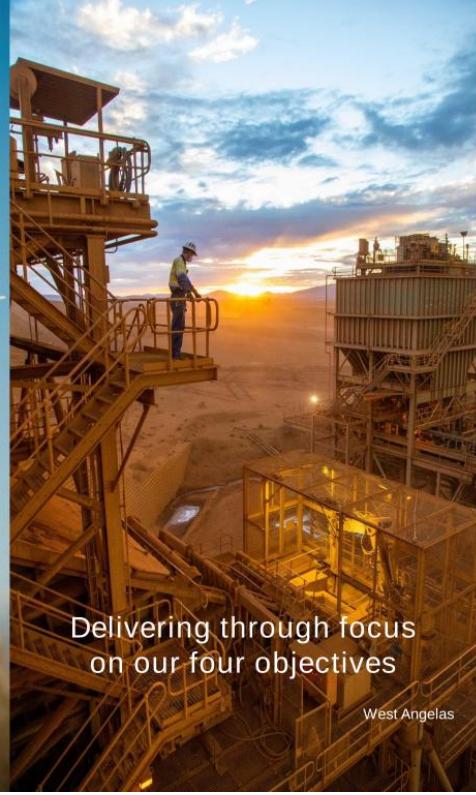
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Well positioned to benefit
from growing demand

RioTinto



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RioTinto



Announcement Summary

Entity name

RIO TINTO LIMITED

Date of this announcement

Thursday May 16, 2024

The +securities the subject of this notification are:

+Other securities issued under an +employee incentive scheme that are not intended to be quoted on ASX

Total number of +securities to be issued/transferred

ASX +security code	Security description	Total number of +securities to be issued/transferred	Issue date
RIOAL	SHARE RIGHTS	580,479	09/05/2024

Refer to next page for full details of the announcement



Part 1 - Entity and announcement details

1.1 Name of entity

RIO TINTO LIMITED

We (the entity named above) give notice of the issue, conversion or payment up of the following unquoted +securities.

1.2 Registered number type

Registration number

ABN

96004458404

1.3 ASX issuer code

RIO

1.4 The announcement is

New announcement

1.5 Date of this announcement

16/5/2024



Part 2 - Issue details

2.1 The +securities the subject of this notification are:
+Other securities issued under an +employee incentive scheme that are not intended to be quoted on ASX

2.2a This notification is given in relation to an issue of +securities in a class which is not quoted on ASX and
which:
has an existing ASX security code ("existing class")



Part 3B - number and type of +securities the subject of this notification (existing class) where issue has not previously been notified to ASX in an Appendix 3B

ASX +security code and description

RIOAL : SHARE RIGHTS

Date the +securities the subject of this notification were issued

9/5/2024

Will these +securities rank equally in all respects from their issue date with the existing issued +securities in that class

Yes

Were any of the +securities issued to +key management personnel (KMP) or an +associate?

Yes

Provide details of the KMP or +associates being issued +securities.

Name of KMP	Name of registered holder	Number of +securities
Sinead Kaufman	Computershare Trustees (Jersey) Limited on behalf of Ms Kaufman	49,145
Simon Trott	Computershare Trustees (Jersey) Limited on behalf of Mr Trott	52,091

Please provide a URL link for a document lodged with ASX detailing the terms of the +employee incentive scheme or a summary of the terms

Rio Tinto Limited Equity Incentive Plan (EIP) Rules were approved by the shareholders at the 2018 annual general meeting and the terms of myShare is set out in the Notice of Meeting at <https://www.asx.com.au/asxpdf/20180302/pdf/43s3gxnhrdy1kj.pdf>.

Any other information the entity wishes to provide about the +securities the subject of this notification

Issue details

Number of +securities

580,479

**Part 4 - +Securities on issue**

Following the issue, conversion or payment up of the +securities the subject of this notification, the +securities of the entity will comprise:

The figures in parts 4.1 and 4.2 below are automatically generated and may not reflect the entity's current issued capital if other Appendix 2A, Appendix 3G or Appendix 3H forms are currently with ASX for processing.

4.1 Quoted +securities (Total number of each +class of +securities issued and quoted on ASX)

ASX +security code and description	Total number of +securities on issue
RIO : ORDINARY FULLY PAID	371,216,214

4.2 Unquoted +securities (Total number of each +class of +securities issued but not quoted on ASX)

ASX +security code and description	Total number of +securities on issue
RIOAI : SPECIAL VOTING SHARE	1
RIOAK : DLC DIVIDEND SHARE	1
RIOAL : SHARE RIGHTS	4,205,130



Part 5 - Other Listing Rule requirements

5.1 Were the +securities issued under an exception in Listing Rule 7.2 and therefore the issue did not need any security holder approval under Listing Rule 7.1?
No

5.2 Has the entity obtained, or is it obtaining, +security holder approval for the issue under listing rule 7.1?
No

5.2b Are any of the +securities being issued without +security holder approval using the entity's 15% placement capacity under listing rule 7.1?
Yes

5.2b.1 How many +securities are being issued without +security holder approval using the entity's 15% placement capacity under listing rule 7.1?

580,479

5.2c Are any of the +securities being issued without +security holder approval using the entity's additional 10% placement capacity under listing rule 7.1A (if applicable)?
No

Rio Tinto and BHP collaborate on battery-electric haul trucks trials in the Pilbara

27 May 2024

PERTH, Australia--(BUSINESS WIRE)-- In an industry first, Rio Tinto and BHP will collaborate on the testing of large battery-electric haul truck technology in the Pilbara, Western Australia, to accelerate the potential for its future deployment.

This press release features multimedia. View the full release here:
<https://www.businesswire.com/news/home/20240526465039/en/>



Komatsu battery-electric haul truck. Credit: Komatsu

The two companies will work with manufacturers Caterpillar and Komatsu to conduct independent trials of their battery-electric haul trucks, including testing of battery, static and dynamic charging systems, to assess performance and productivity in the Pilbara environment.

The collaboration reflects the individual commitments made from BHP, Rio Tinto, Komatsu and Caterpillar to support Rio Tinto and BHP's shared ambition of net zero operational greenhouse gas emissions by 2050.

As part of the collaboration, two Cat 793 haul trucks will be trialled from the second half of 2024, and two Komatsu 930 haul trucks tested from 2026 at mine sites in Western Australia's Pilbara region.

Caterpillar and Komatsu will each provide one truck each to both BHP and Rio Tinto for these trials. BHP will trial the Caterpillar trucks, while Rio Tinto will trial the Komatsu trucks. Outcomes of the trials will be shared between BHP and Rio Tinto.

These trials represent the first stage of battery-electric haul truck testing at BHP and Rio Tinto's Pilbara operations.

Ongoing testing, development and refinement of truck and battery design is anticipated with each manufacturer. This will inform the approach for testing a larger number of haul trucks and the potential deployment of battery-electric haul truck fleets into each company's operations.

Rio Tinto Iron Ore Chief Executive Simon Trott said: "This collaboration brings together two leading global miners with two of the world's biggest manufacturers of haul trucks to work on solving the critical challenge of zero-emissions haulage.

"There is no clear path to net zero without zero-emissions haulage, so it's important that we work together to get there as quickly and efficiently as we can. Testing two types of battery-electric haul trucks in Pilbara conditions will provide better data, and by combining our efforts with BHP we will accelerate learning.

"As we work to repower our Pilbara operations with renewable energy, collaborations like this move us closer to solving the shared challenge of decarbonising our operations, and meeting our net zero commitments."

BHP President Australia Geraldine Slattery said: "Operational decarbonisation relies on breakthroughs in technology and partnerships like this will help drive our industry forward. We are thrilled to work with Rio Tinto, Caterpillar and Komatsu on these trials.

"Replacing diesel as a fuel source requires us to develop a whole new operational ecosystem to surround the fleet. We need to address the way we plan our mines, operate our haulage networks, and consider the additional safety and operational considerations that these changes will bring. This is why trials are so critical to our success as we seek to test and learn how these new technologies will work in practice and integrate into our mines.

"We've already seen a step-change reduction in Scope 1 and 2 operational greenhouse gas emissions through switching some of our supply to renewable electricity, and we are looking to build on that progress through development of battery-electric technology to reduce diesel usage across our operations."

Note to editors

In 2021, Rio Tinto and BHP worked with both Caterpillar and Komatsu to support the development and validation of their prototype battery-electric haul trucks. The trucks included in these trials are based on these prototypes.

Carbon emissions from diesel consumption in our mining equipment and rail fleet accounted for 12% of Rio Tinto's Scope 1 and 2 emissions in 2023.

Carbon emissions from the combustion of diesel accounted for around 40% of BHP's Scope 1 and 2 emissions in FY2020.

View source version on businesswire.com:
<https://www.businesswire.com/news/home/20240526465039/en/>

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riotinto.com

RioTinto

Notice to ASX/LSE

Shareholdings of persons discharging managerial responsibility (PDMR) / Key Management Personnel (KMP)

28 May 2024

Rio Tinto plc notifies the London Stock Exchange (LSE) of PDMR interests in securities of Rio Tinto plc, in compliance with the EU Market Abuse Regulation. As part of its dual listed company structure, Rio Tinto voluntarily notifies the Australian Securities Exchange (ASX) of material dealings in Rio Tinto plc shares by PDMR / KMP and both the ASX and the LSE of material dealings by PDMR / KMP in Rio Tinto Limited securities.

The following PDMR / KMP sold Rio Tinto plc shares as follows:

Name of PDMR / KMP	Date	Number of Shares Sold	Price Per Share GBP
Alf Barrios	22 May 2024	29,000	57.342746
Alf Barrios	22 May 2024	30,000	57.576003

LEI: 213800YOE05OQ72G2R82
Classification: 3.1. Information disclosed under article 19 of the Market Abuse Regulation.

Notice to ASX/LSE

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This announcement is authorised for release to the market by Andy Hodges, Rio Tinto's Group Company Secretary.

