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## Safety

# Improvement in Total Recordable Injury Frequency and Potential Serious Injury and Fatality Frequency Rate

### Level crossings remain the rail industry's highest safety risk

- 14 level crossing collisions with Aurizon trains and many more near misses in the past 18 months
- Aurizon supports the national rail level crossing safety roundtable



### Safety and Health

- New Fatigue Risk Management Framework launched, strengthening risk-based approach to managing fatigue
- > Safety Performance 1HFY2024<sup>1</sup>:
  - Total Recordable Injury Frequency Rate<sup>2</sup>:
     3% improvement
  - Lost Time Injury Frequency Rate<sup>3</sup>: flat
  - Potential Serious Injury and Fatality Frequency Rate<sup>4</sup>:
     10% improvement
- > Culture and Wellbeing Strategy refreshed, drawing upon results from our psychosocial risk management pilot

<sup>1.</sup> Unaudited results and subject to review including the incorporation of Bulk Central

<sup>2.</sup> Total Recordable Injury Frequency Rate is the number of instances (per million hours worked) of Lost Time Injuries, medical treatment injuries and restricted work injuries sustained by employees and contractors. FY2023 restated to include Bulk Central (and to correct contractor hours)

<sup>3.</sup> Lost Time Injury Frequency Rate is the number of instances of Lost Time Injuries (per million hours worked). FY2023 restated to include Bulk Central (and to correct contractor hours)

<sup>4.</sup> Potential Serious Injury and Fatality Frequency Rate measures the number of incidents that had the potential to cause, or did cause, serious injury or fatality. The result is expressed per million hours worked. FY2023 restated to include Bulk Central (and to correct contractor hours)





## Key messages

Uplift in earnings and cashflow driven by recovery in volumes, contribution of new contracts and an increase in regulatory Network revenue



EBITDA up 26% with growth from Network, Coal and Bulk



Dividend: 75% of NPAT for 1HFY2024



Containerised Freight capacity on-track for full schedule from April 2024



FY2024 EBITDA guidance maintained

More flexibility to increase shareholder returns expected in FY2025



## 1HFY2024 Results<sup>1</sup>

Coal, Bulk and Network all contributed to an uplift in earnings, which flowed through to higher returns and a higher interim dividend

\$847m
up 26%

\$0000
\$237m
up 40%

\$0000

9.0%
up 0.5ppts

**BULK VOLUMES** 

34.1m

up 1%

NETWORK:
FINAL WACC<sup>4</sup> APPROVED

8.51%
up from 6.30%

\$256m up 169%

INTERIM DIVIDEND<sup>5</sup>

9.7cps

FREE CASH FLOW<sup>3</sup>

94.0m

**COAL VOLUMES** 

<sup>1.</sup> All amounts are underlying and on a continuing basis unless otherwise stated. Comparisons are against 1HFY2023

<sup>2.</sup> Excludes assets held for sale

<sup>3.</sup> Free Cash Flow defined as net cash flow from operating activities less non-growth capex and interest paid. It excludes growth capex of \$105m (1HFY2023: \$135m), and acquisition of One Rail Australia (1HFY2023: \$1,404m) and cash costs associated with the acquisition (1HFY2023: \$39m)

<sup>4.</sup> Final Reset Values approved by the Queensland Competition Authority on 19 October 2023. To apply to tariffs from 1 July 2024 (through to 30 June 2027). The difference between the Preliminary (8.18%) and Final Reset WACC (8.51%) for FY2024 tariffs will be incorporated into FY2026 Reference Tariffs as a revenue adjustment

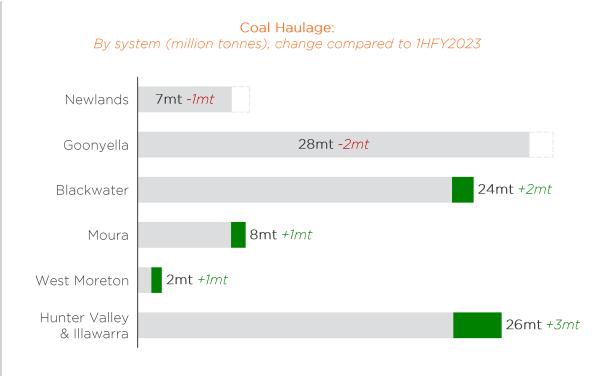
<sup>5.</sup> Represents a payout ratio of 75%. Dividend: 60% franked, ex dividend: 26 February 2024, record date: 27 February 2024, payment date: 27 March 2024



### Coa

### Uplift in earnings driven by volume recovery, new contracts and favourable yield

- While total volume increased, mine sequencing and unscheduled stoppages impacted some customers coal production
- Corridor/customer mix has been the primary driver of yield improvement, supported by CPI indexation
- New volumes from Malabar (Maxwell) and SIMEC (Tahmoor)
- 12-year haulage contract with New Hope commenced in October 2023 for the New Acland Stage 3 mine
- First railed metallurgical coal for Pembroke Olive Downs in January 2024
- > BMA Rail maintenance commenced July 2023
- Contract extension for Queensland Alumina



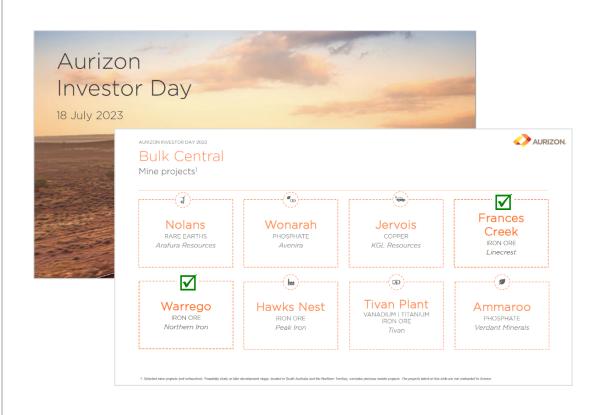
Total: 94mt



### Bulk

Higher earnings driven by volume recovery and new contracts, offset by customer production issues and lower grain volumes. New Bulk Central contracts secured

- Increased iron ore volumes in Western Australia, partly offset by lower grain volumes (primarily Queensland and New South Wales) and customer specific production challenges in Queensland
- Bulk Central volume growth with Northern Iron (Warrego) and Linecrest (Frances Creek), both above and below rail contracts signed and expected to commence railing in FY2024
- > Contracts update 1HFY2024:
  - Mineral Resources (rail haulage contract extension, volume uplift and sole rail provider for iron ore in WA)
  - Ampol (rail haulage contract extension for fuel in WA)
  - Lynas (road haulage of sulphuric acid in WA)
  - Glencore (rail haulage and terminal services contract extension in Qld)
  - Alcoa bauxite rail haulage from Huntly to Kwinana (WA) to wind down in 2HFY2024 ahead of refinery production ceasing in 1HFY2025. Contract extension signed for Pinjarra and Wagerup caustic rail haulage
  - Pilbara rail maintenance contract to cease in February 2024 following on from non-renewal

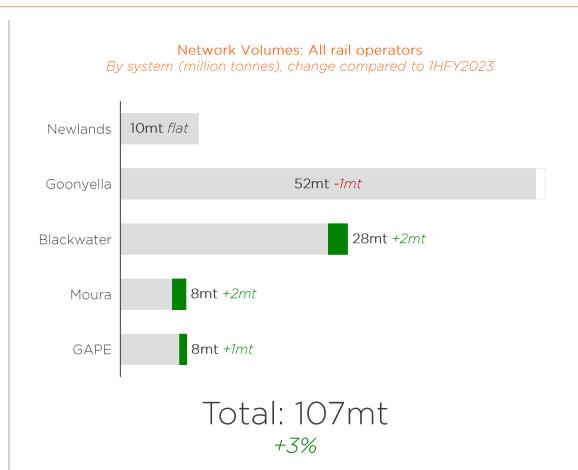




### Network

Uplift in earnings driven by higher regulated revenue, including a volume recovery

- Allowable revenue increased due to the preliminary reset Weighted Average Cost of Capital (WACC) of 8.18% in 1HFY2024 compared to 6.30% in 1HFY2023 and a higher asset base
- In October 2023, the Queensland Competition Authority approved Network's WACC Final Reset Values (*Final Reset WACC of 8.51%*)
- Volumes were 3% higher to 106.5mt. NTKs 4% higher
- Cycle velocity increased by 6% from 1HFY2023
- > FY2024 regulatory volume assumption is 207.8 million tonnes





## Containerised Freight

Interstate containerised freight capacity on track for full schedule from April 2024

- First weekly service began in April 2023 with a fifth weekly service operating from November 2023
- On track to ramp up to full schedule of seven weekly services (~200k TEUs per annum) by April 2024
- > Railing (spot volume) for three additional customers
- Secured a long-term lease at the Glenlee Terminal which has direct access to the north-south rail corridor, facilitating the Melbourne - Sydney - Brisbane weekly service which commenced in September 2023
- Reported within the *Other* segment. Although the ramp-up schedule (including costs) remains on-track, it is expected to be an immaterial negative EBITDA contribution in FY2024 driven by softer freight market conditions (volumes)







## Key financial results<sup>1</sup>

Uplift in earnings, free cashflow and dividend driven by revenue growth more than offsetting the expected increases in interest and operating costs

\$m	1HFY2024	1HFY2023	Variance (%)	Variance (\$)
Revenue	1,972	1,694	16%	278
Operating Costs (Total)	(1,125)	(1,021)	(10%)	(104)
Energy & Fuel	(198)	(236)	16%	38
EBITDA	847	673	26%	174
Statutory EBITDA <sup>2</sup>	847	626	35%	221
Depreciation & Amortisation	(342)	(328)	(4%)	(14)
EBIT	505	345	46%	160
Net Finance Costs	(164)	(102)	(61%)	(62)
NPAT	237	169	40%	68
Statutory NPAT <sup>2</sup>	237	130	82%	107
EPS	12.9c	9.2c	40%	3.7c
Statutory EPS	12.9c	7.1c	82%	5.8c
EBITDA Margin	43.0%	39.7%	3.3ppts	-
ROIC	9.0%	8.5%	0.5ppt	-
Free Cash Flow <sup>3</sup>	256	95	169%	161
Dividend per share	9.7c	7.0c	39%	2.7c

- Revenue growth driven by higher Network regulatory revenue (increased WACC, asset base and volumes), higher Coal volumes and yield, along with Bulk and Containerised Freight volume growth
- Total operating costs increased by 10% driven by volume growth, maintenance and labour costs (FTEs +6%). Offsetting this were lower energy and fuel expenses from lower prices (largely pass through)
- Depreciation increased by \$14m driven by recent Bulk and Containerised Freight equipment purchases
- Net finance costs increased 61% driven by debt related interest expenses due to higher interest rates and debt levels. FY2024 group debt interest cost forecast to be ~\$300m, based on proactive debt raising in FY2024 to cover refinancing in ~6 months time
- Higher interest rate environment reflected in an uplift in Network WACC and revenue
- > Free cash flow³ uplift driven by higher EBITDA and FY2023 Network Take-or-Pay cash receipt. 2HFY2024 to include a tax refund of ~\$100m
- Cash receipt of \$125m due in 2HFY2024, for deferred consideration from the East Coast Rail divestment
- Interim dividend based on 75% NPAT

<sup>1.</sup> All amounts are underlying and on a continuing basis unless otherwise stated. Due to rounding, the sum of components may not equal the corresponding total

<sup>2. 1</sup>HFY2023 Statutory EBITDA and NPAT includes acquisition costs for One Rail Australia (\$49m pre-tax, \$43m post-tax)

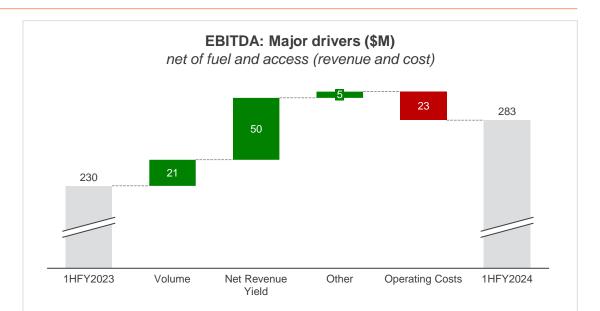
<sup>3.</sup> Free Cash Flow defined as net cash flow from operating activities less non-growth capex and interest paid. It excludes growth capex of \$105m (1HFY2023: \$135m), and acquisition of One Rail Australia (1HFY2023: \$1,404m) and cash costs associated with the acquisition (1HFY2023: \$39m)



### Coa

Uplift in EBITDA driven by volume recovery, new contracts and favourable yield





- EBITDA increased due to an uplift in revenue resulting from higher volumes and improved revenue yield, partly offset by higher operating costs
- Volumes increased by 3.5 million tonnes (4%) driven by New South Wales and South-East Queensland. Central Queensland volumes flat with uplift in Blackwater and Moura offset by a decline in both Goonyella and Newlands
- Net revenue yield increased due to corridor/customer mix and CPI contract escalation
- Operating costs increased due to additional traincrew and maintenance costs associated with volume growth, along with the escalation of labour and materials

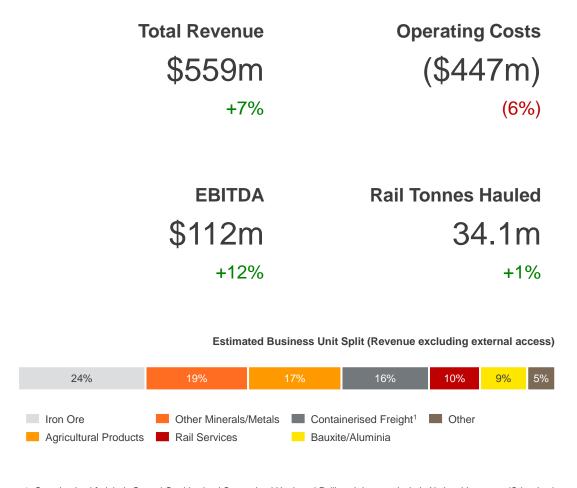
<sup>1.</sup> Excluding Access Revenue

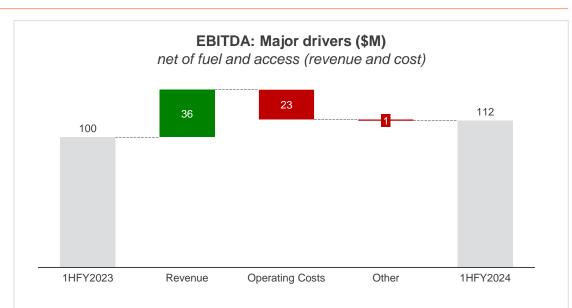
<sup>2</sup> Includes net Access cost



## Bulk

Uplift in EBITDA driven by volume recovery and new contracts, offset by customer production issues (primarily in Queensland) and lower grain volumes



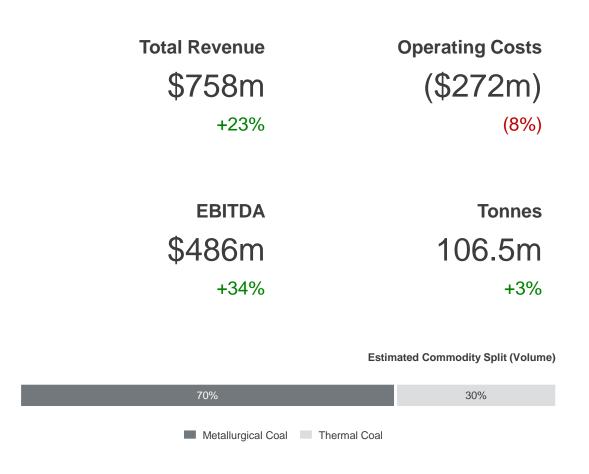


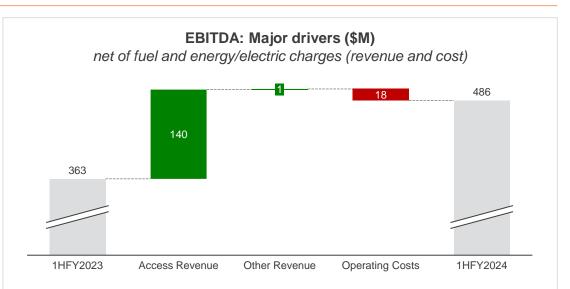
- > EBITDA increased by \$12m to \$112m due to new contract volumes offset by customer specific production issues (primarily Queensland) and lower grain volumes (primarily Queensland and New South Wales)
- Operating costs increase reflects additional volumes and costs to support recent contract wins



## Network

Uplift in EBITDA driven by higher volumes and reset of the regulated asset base and WACC, more than offsetting higher operating costs





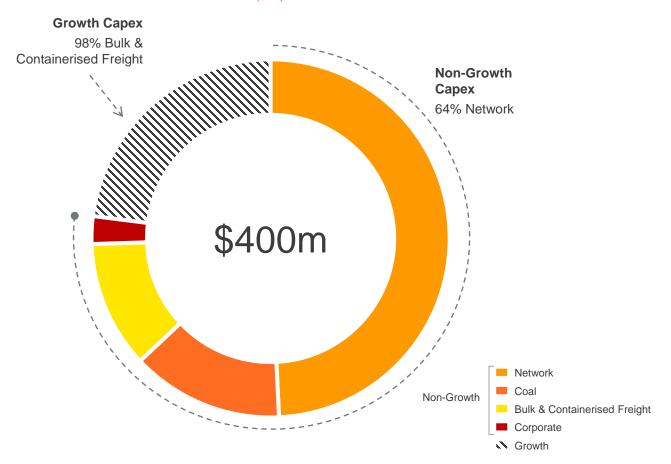
- Higher access revenue driven by an increase in allowable revenue, higher volumes and net favourable revenue cap movements received in 1HFY2024, relating to FY2021 and FY2022
- > Allowable revenue increased due to the preliminary reset WACC of 8.18% in 1HFY2024 compared to 6.30% in 1HFY2023 and higher asset base
- Operating costs increased driven by higher maintenance costs and higher external construction costs (offset in revenue), as a result of labour and sub-contractor inflationary pressures. Partially offset by lower electric traction charges (offset in access revenue)
- FY2025 Non-GAPE Maximum Allowable Revenue to increase by \$70m<sup>1</sup> driven by a further WACC increase (to 8.51%) and FY2023 revenue cap adjustments



## Capex

Majority of sustaining capital continues to be for the regulated Network business (and included in the RAB), while growth capital is almost entirely for Bulk and Containerised Freight

### 1HFY2024 CAPITAL EXPENDITURE<sup>1</sup> (\$M)



Total Growth Capital <sup>1</sup>	\$92m	\$250m-\$300m
Track Infrastructure and Other	\$6m	~\$25m
Terminal Land and Infrastructure	\$10m	~\$25m
Port and Terminal Equipment	\$15m	~\$35m
Rolling Stock Standard Gauge Locomotives & Wagons (and Containers)	\$61m	~\$185m
Growth Capital Expenditure <sup>1</sup>	1HFY2024	FY2024 Expected



## Funding update

Additional bank debt facilities sourced in advance of upcoming Network bond maturities, extending debt book and further diversifying the banking group

#### **FUNDING ACTIVITY**

#### **Aurizon Network**

- A\$500m Syndicated Institutional Term Facility across 5 and 6-year tenors (\$260m, \$240m respectively)
- A\$150m bilateral bank debt across 5, 6 and 7-year tenors (\$50m each tranche)
- Lending group expanded to 21 banks, with 4 additional Japanese banks, 3 Taiwanese banks and 2 Indian banks.

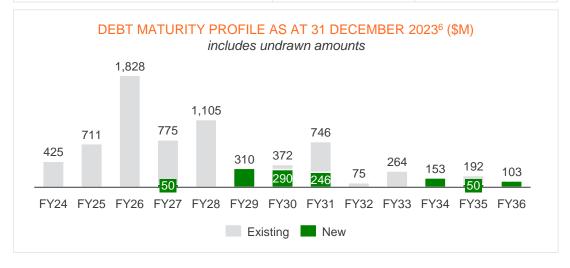
#### **Aurizon Operations**

- A\$503m US Private Placement Notes settled in July 2023 across tenors of 7, 10, 11 and 12 years, with funds used to repay debt sourced as part of the One Rail acquisition
- Re-financed bilateral bank debt facilities in June 2023, of which A\$50m became effective July 2023. Reduced total bilateral bank debt capacity through repayment of A\$65m facility on maturity

### **Funding Structure**

- ~70% of Group debt held in Network, where higher interest rate environment is reflected in higher regulatory WACC and revenues
- Gearing and net debt/EBITDA<sup>7</sup> remains conservative, with Network ~4x and Operations ~2.3x at 1H FY2024
- > Expected 2H cash flows to further strengthen Operations net debt/EBITDA to ~2x by end FY2024, providing additional balance sheet and shareholder return flexibility in FY2025

KEY DEBT METRICS <sup>1</sup>	1HFY2024	FY2023
Weighted average maturity <sup>1</sup>	4.3 years	3.6 years
Group interest cost on drawn debt	6.1%	4.1%
Group Gearing <sup>2</sup>	53.8%	53.7%
Network Gearing <sup>3</sup> (excl AFD <sup>4</sup> )	63.0%	63.8%
Operations & Network Credit Ratings <sup>5</sup>	BBB+/Baa1	BBB+/Baa1



<sup>1.</sup> Calculated on drawn debt. excluding working capital facility as at 31 Dec 2023

<sup>2.</sup> Group Gearing - net debt / (net debt plus equity)

<sup>3.</sup> Network Gearing - net debt / Regulatory Asset Base (RAB)

<sup>4.</sup> Access Facilitation Deed

<sup>5.</sup> S&P/Moody's

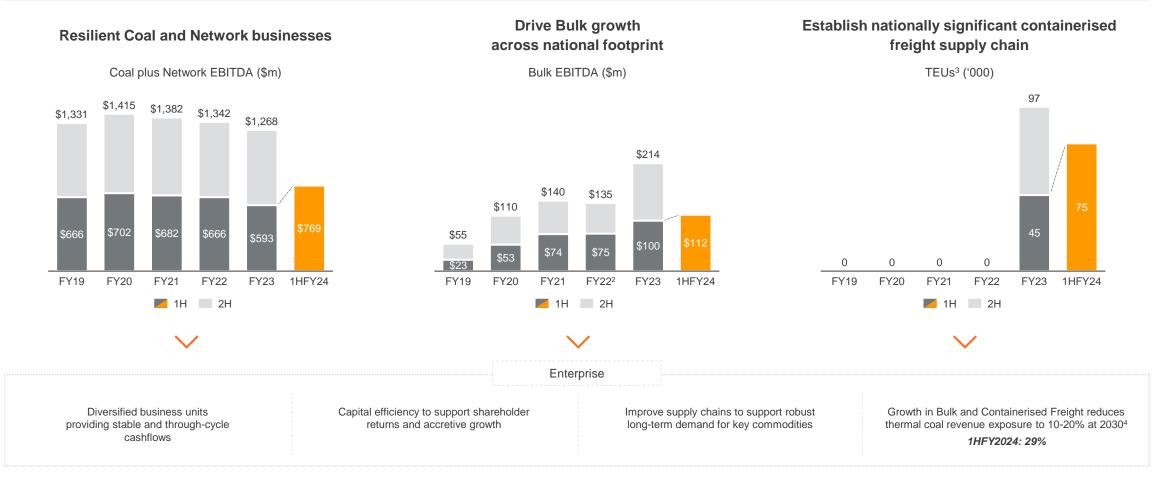
<sup>6.</sup> As at 31 December 2023, excluding working capital facilities. New debt includes all debt that settled in 1HFY2024, including \$503m of USPP Notes and \$50m of bilateral bank debt facilities that settled in July 2023 and were subsequently included in the FY2023 Results

<sup>7.</sup> Net debt is defined as borrowings (both current and noncurrent) less cash and cash equivalents and excludes lease liabilities. Net debt is adjusted for funds drawn under the Intra Group Loan Agreement. EBITDA is based on the 12-month rolling average



## Progress against strategic aims<sup>1</sup>

EBITDA growth in 1H from Network, Coal and Bulk. Containerised Freight capacity on track for full schedule from April 2024 and new Bulk contracts support a further step-up in Bulk earnings



<sup>1.</sup> Aurizon Investor Day (July 2023) presentation available on Aurizon website including important statements about the future and scenario analysis targets

<sup>2.</sup> The Bulk and Other segments for FY2022 were restated for consistency with current year presentation

<sup>3.</sup> Includes both Central Corridor (Bulk) and National Interstate (Other) and does not include Queensland hook-and-pull services

<sup>4.</sup> Non-Network Revenue is the sum of Coal (excluding all track access), Bulk (net of track access expense) and Containerised Freight (net of track access). Coal revenue allocated (metallurgical/thermal) based on estimated volume split



## Outlook

### FY2024 EBITDA outlook maintained at \$1,590m - \$1,680m

#### FY2024:

- Group underlying EBITDA expected to be in the range of \$1,590m \$1,680m
- Sustaining capex expected to be \$600m \$660m (including ~\$40m of transformational project capital)
- Growth capex expected to be \$250m \$300m

### Key assumptions

- Network: revenue and EBITDA expected to be higher than FY2023 driven by an increase in the (regulated) Maximum Allowable Revenue. Volumes are now assumed to be ahead of approved regulatory forecast (207.8mt)
- > Coal: revenue and EBITDA expected to be higher than FY2023 driven by volumes and revenue yield improvement. Compared to 1HFY2024, a lower revenue yield is expected in 2HFY2024 due to the anticipated corridor/customer mix
- > **Bulk:** revenue and EBITDA expected to be higher than FY2023 driven by volumes and the full year inclusion of Bulk Central (and full realisation of targeted synergies)
- Other: Although the ramp-up schedule (including costs) remains on-track, Containerised Freight is expected to be an immaterial negative EBITDA contribution in FY2024 driven by softer freight market conditions (volumes)
- Beyond the impact on supply chains in Queensland and Northern Territory in January/February from Tropical Cyclone Kirrily (including heavy rainfall thereafter), no further significant disruptions to supply chains are assumed (such as major derailments or extreme/prolonged wet weather)







### About Aurizon

Aurizon is Australia's largest rail freight operator. Our operational footprint spans across mainland Australia, with over 5,000km of track infrastructure and the largest fleet of locomotives and wagons



#### **Network**

- Network refers to the business which operates the 2,670km Central Queensland Coal Network (CQCN), connecting around 40 mines to five export terminals. The CQCN includes four major coal systems (Moura, Blackwater, Goonyella and Newlands) and a connecting link, the Goonyella to Abbot Point Expansion (GAPE)
- Around 70% of volume hauled across the network is considered to be metallurgical coal (remaining 30% thermal coal), with demand linked to Asian steel production

#### Coal

- Aurizon's Coal business provides a critical service to Australia's export coal industry. Coal hauled is split
  approximately evenly between metallurgical coal and thermal coal, with demand linked to Asian steel production
  and energy generation, respectively. Aurizon transports coal from mines in the CQCN and West Moreton
  systems in QLD and the Hunter Valley and Illawarra coal systems in NSW
- Aurizon is the largest hauler of metallurgical coal in Australia and the only rail operator with services to all nine coal export terminals on the East Coast

#### Bulk

- Aurizon's Bulk business provides integrated supply chain services, including rail and road transportation, port services and material handling for a range of mining, metal, industrial and agricultural customers throughout Australia. Aurizon's Bulk business also manages the Tarcoola-to-Darwin rail infrastructure, the intrastate rail freight network in South Australia and containerised freight services between Adelaide and Darwin.
- Commodities hauled linked with economic growth and minerals associated with new economy markets and food consumption

### **Containerised Freight**

- Aurizon's Containerised Freight business provides rail line haul services for customers in Australia's growing
  interstate east-west and north-south containerised freight market. This includes the transport of vital supplies for
  communities across Australia, including retail and supermarket goods, perishables and refrigerated goods,
  vehicles, machinery and equipment
- Announced initial capacity of ~200,000 TEUs with full schedule from April 2024



## Strategic aims

Resilient Network and Coal businesses continue to support aspirations for Bulk and the establishment of a nationally significant containerised freight supply chain



Resilient Coal and Network businesses

Highly disciplined businesses, supporting Aurizon's diversified portfolio



Drive Bulk growth across national footprint

Our aspiration to achieve

25-30%

share of an estimated addressable bulk (EBITDA) market of

~\$1.7 billion

at FY20301



Establish nationally significant containerised freight supply chain

Our aspiration to achieve



annual volumes at FY20301

Equivalent to <10% of the current road+rail market<sup>2</sup>; or ~3% of the road+rail plus throughput at major Australian ports<sup>3</sup>

EBITDA margin target<sup>1</sup>



20-30%



Diversified business units providing stable and through-cycle cash flows

Capital efficiency to support shareholder returns and accretive growth

Improve supply chains to support robust long-term demand for key commodities Growth in Bulk and Containerised Freight reduces thermal coal revenue exposure to 10-20% at 2030<sup>4</sup>

<sup>1.</sup> Refer to slides 2 and 3 of Aurizon's 2023 Investor Day presentation (available at aurizon.com.au) for important cautionary language in respect of 'aspirational statements'. As noted in those slides, market share opportunities assume Aurizon secures part of an available range of organic and inorganic growth. There is a risk that Aurizon does not secure the assumed part or any of the available market growth. Containerised Freight (TEU) aspiration includes National Interstate, Land-bridging and Bulk Central. Bulk (EBITDA) aspiration includes Bulk Central containerised freight

<sup>2.</sup> Bureau of Infrastructure, Transport and Regional Economics (Trainline 7), Aurizon analysis

<sup>3.</sup> Total annual TEU throughput of Australia's five international container ports (2021-22), Australian Competition and Consumer Commission, Container stevedoring monitoring report 2021–22

<sup>4.</sup> Revenue is the sum of the Coal (excluding all track access), Bulk (net of track access expense) and Containerised Freight and excludes the Network business unit. Coal revenue allocated (metallurgical/thermal) based on estimated volume split



### Our ESG contribution

Rail plays a significant role in the transition to a low-carbon economy





95% less

carbon emissions (per tonne kilometre) by rail compared with road<sup>1</sup>



### Safety

150

equivalent semi-trailer trucks per single freight train<sup>2</sup>



### Productivity

### Benefits

Economic and productivity gains are achievable where there are large volumes of freight and/or where freight is carried over longer distances



#### **Emissions**

### Reduction

The following three nearterm initiatives deliver immediate, high localimpact, emission reductions for our customers:

- > Reduce idling
- Zero carbon drop-in fuels
- Train Energy Management



#### Infrastructure

### Investment

Supportive rail infrastructure investment environment:

- ) Inland Rail
- Katherine Logistics and Agribusiness Hub
- > Port of Darwin
- National Intermodal Corporation

Net Zero - Aurizon is committed to a target of net-zero operational emissions (scope 1 and 2) by 2050<sup>3</sup>

<sup>1.</sup> Deloitte Access Economics Value of Rail 2020

<sup>2.</sup> NSW Government: Consultation Paper: Clean Air for NSW, 2016

<sup>3.</sup> ESG-related aspirations and targets described in this presentation are discussed in detail in Aurizon's Sustainability Reports and Climate Strategy and Action Plan, available on the Aurizon website. These documents describe the important assumptions which underpin these aspirations and targets



## Aurizon fleet position and decarbonisation

Decarbonising Aurizon's fleet will likely require three platforms that we will develop, trial and embed in our operations before large scale rollout of successful solutions<sup>1</sup>

### Zero Emission platforms



#### Battery Electric Locomotive (BEL)

**Targeting Retrofit** 

Platform provided by Locomotive OEMs, with pantograph charging system and lithium-ion battery technology providing tractive effort and capturing regenerative braking energy



#### Battery Electric Tender (BET)

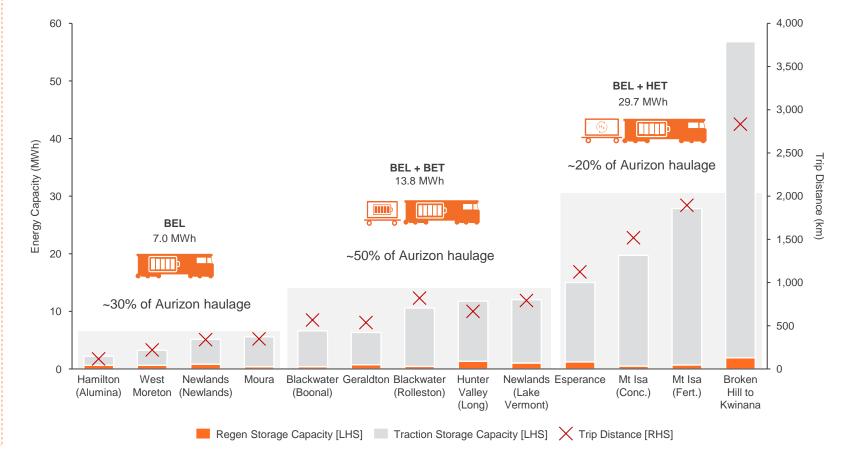
Provides additional battery capacity to the BEL providing range extension for mid-range haulage tasks



#### Hydrogen Electric Tender (HET)

Hydrogen storage and fuel cell charger on wheels, charges BEL during operation providing range extension for the longest haulage tasks

### CORRIDOR ENERGY REQUIREMENTS VS ALTERNATIVE FUEL SOLUTIONS<sup>2</sup>



<sup>1.</sup> The implementation of Aurizon's alternative fuel solutions rely on several future factors, including but not limited to battery capacity, availability, and cost, as well as associated infrastructure and Government policy 2. As at FY2022. Source: Application and limitations of batteries and hydrogen in heavy haul rail using Australian case studies, Journal of Energy Storage (Issue 56, 2022)

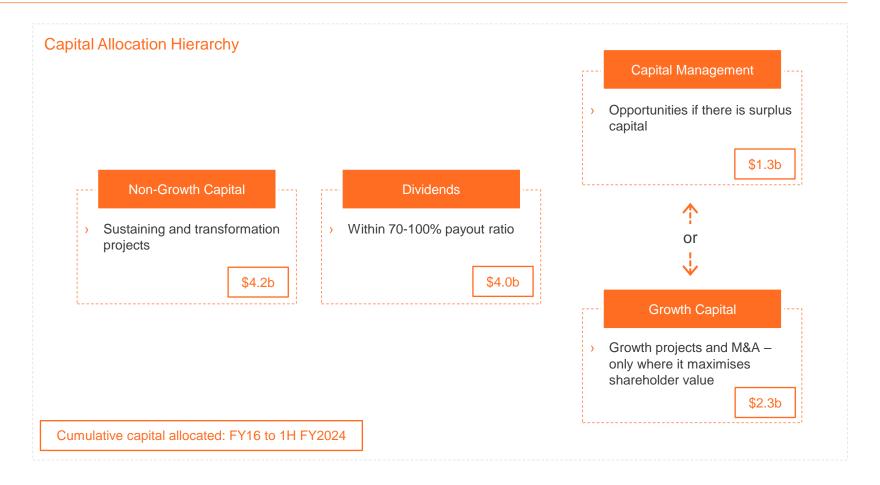


## Capital allocation framework

### Determine Available Capital

- Ongoing operating cash flows
- Additional funding capacity available:
  - Network: BBB+/Baa1
  - Operations: BBB+/Baa1



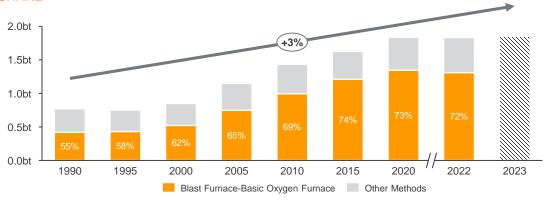




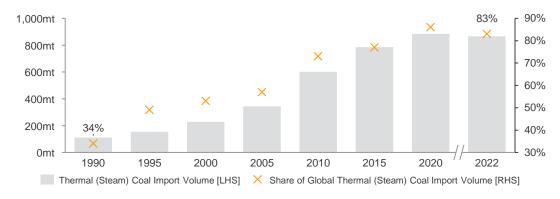
### Coal markets

The metallurgical coal-dependent method makes up over two-thirds of global steel production. Thermal coal market is dominated by Asian trade, backed by young electric generation fleet

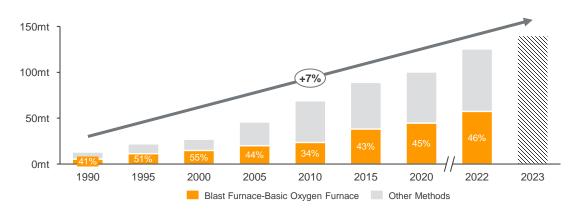
### GLOBAL CRUDE STEEL PRODUCTION | BLAST FURNACE-BASIC OXYGEN FURNACE SHARE<sup>1</sup>



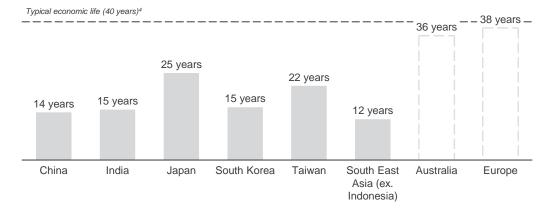
### ASIA: THERMAL (STEAM) COAL IMPORT VOLUME | SHARE OF GLOBAL THERMAL (STEAM) COAL IMPORT MARKET $^2$



### INDIA: CRUDE STEEL PRODUCTION (BY METHOD)<sup>1</sup>



#### AVERAGE AGE OF COAL-FIRED ELECTRICITY CAPACITY<sup>3</sup>

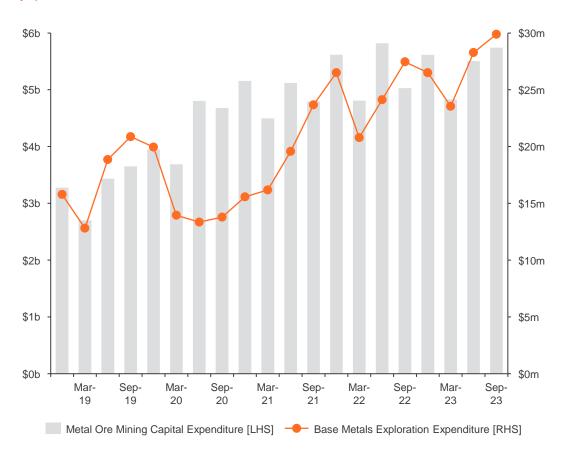


- 1. World Steel Association, Method of crude steel production not yet reported for 2023
- 2. International Energy Agency, Coal Information (July 2023). Thermal (Steam) Coal includes all anthracite and bituminous coals not considered coking coal and also includes sub-bituminous coal
- 3. S&P Global Market Intelligence World Electric Power Plants Database (March 2023) as at 2023, capacity weighted. Countries ordered by absolute capacity (left to right), followed by South East Asia. Australia and Europe added for reference only
- 4. International Energy Agency, World Energy Investment 2018



## Bulk: Australia supply indicators

### AUSTRALIA: METAL ORE MINING CAPEX | BASE METALS EXPLORATION EXPENDITURE<sup>1</sup> By quarter



### GRAIN EXPORT VOLUME: 1HFY2024<sup>2</sup> By State (million tonnes), change compared to 1HFY2023



### AUSTRALIA: CROP PRODUCTION VOLUME<sup>3</sup> By State, marketing year



<sup>1.</sup> Australian Bureau of Statistics. Metal Ore Mining includes: Iron ore, Bauxite, Copper, Gold, Mineral Sand, Nickel, Silver/Lead/Zinc. Base metals includes copper, nickel & cobalt, silver, lead and zinc

<sup>2.</sup> Grain trade data covers the major crops of wheat, barley, canola, chickpeas and grain sorghum, representing around 95% of total broadacre crops export volume from Australia and accounts for crops significant to each producing state

<sup>3.</sup> Australian Bureau of Statistics, ABARES Crop Report (December 2023), Australian crop production (winter and summer) volume by marketing year, 2024 represents ABARES forecast. East Coast: Queensland, New South Wales and Victoria



# Quarterly rail volumes

		Quarter Ending				Fina	ancial Year to date	ate	
	_	Mar-23	Jun-23	Sep-23	Dec-23	1HFY2024	1HFY2023	Variance	
Coal									
CQCN	mt	30.1	36.6	32.7	33.6	66.3	66.9	(1%)	
NSW & SEQ	mt	13.4	14.4	13.5	14.2	27.7	23.6	17%	
Coal Total Volumes	mt	43.4	51.0	46.2	47.8	94.0	90.5	4%	
CQCN	NTKs bn	7.4	9.1	8.4	8.4	16.8	16.5	2%	
NSW & SEQ	NTKs bn	2.4	2.5	2.5	2.6	5.2	4.4	18%	
Coal Total NTks	NTKs bn	9.7	11.5	10.9	11.0	22.0	20.9	5%	
Bulk									
Bulk Total Volumes	mt	16.9	17.7	17.2	16.9	34.1	33.6	1%	
Network									
Network Total Volumes	mt	46.9	57.7	53.4	53.0	106.5	102.9	3%	
Network Total NTKs	NTKs bn	11.3	13.9	13.2	13.0	26.2	25.1	4%	
Central Corridor & Containerised Fro	eight								
Total volumes <sup>1</sup>	TEUs	22,681	29,368	35,383	39,978	75,361	44,881	68%	

<sup>1.</sup> Does not include Queensland hook-and-pull services Note: Due to rounding, the sum of components may not equal the corresponding total



# Enterprise agreements

Enterprise Agreement C	# Staff	Term		Headline Increases				
	Covered (approx.)	(years)	Expiry Date	Year 1	Year 2	Year 3	Year 4	Status
SA/NT Bulk Rail Operations	170	4	16 Dec 2023	3.0%	3.0%	3.0%	3.0%	Bargaining
QLD Bulk Traincrew & Transport Operations	370	4 04 lon 0004		5.3%	5.3%			Bargaining
QLD Bulk Maintenance	370	ı	24 Jan 2024	5.3%	5.3%			
Bulk & Containerised Freight Traincrew	40	-	-	-	-	-	-	Bargaining
NT Darwin Stevedoring	-	-	-	-	-	-	-	Bargaining
WA Terminal Logistics	30	-	-	-	-	-	-	Bargaining
SA/NT Bulk Infrastructure	40	4	9 Mar 2024	3.0%	3.0%	3.0%	3.0%	
SA/NT Bulk Terminal Operations	10	4	2 Apr 2024	3.0%	3.0%	3.0%	3.0%	
WA Bulk Rail Operations	450	2	9 Dec 2024	5.3%	4.5%			
WA Bulk Rollingstock Maintenance	90	4	10 May 2025	3.0%	3.0%	2.5%	2.0%	
SA/NT Bulk Maintenance	70	2	30 Jun 2025	4.0% + 4.0%	3.0%			
NSW Coal	300	4	10 Nov 2025	2.5%	2.5%	2.5%	2.5%	
QLD Port Services	60	4	1 Nov 2025	-	-	3.0%	3.0%	
QLD Coal Traincrew & Transport Operations	1 200	2	2 Mar 2020	4.25% - 4.5%	3% - 4%	3% - 4%		
QLD Coal Maintenance	1,200	3	3 Mar 2026	5.0%	3% - 4%	3% - 4%		
QLD Staff	700	4	30 Jan 2027	4.5%	3% - 4%	3% - 4%	3% - 3.5%	
QLD Infrastructure	550	4	4 Aug 2027	5.0%	4.0%	4.0%	4.0%	

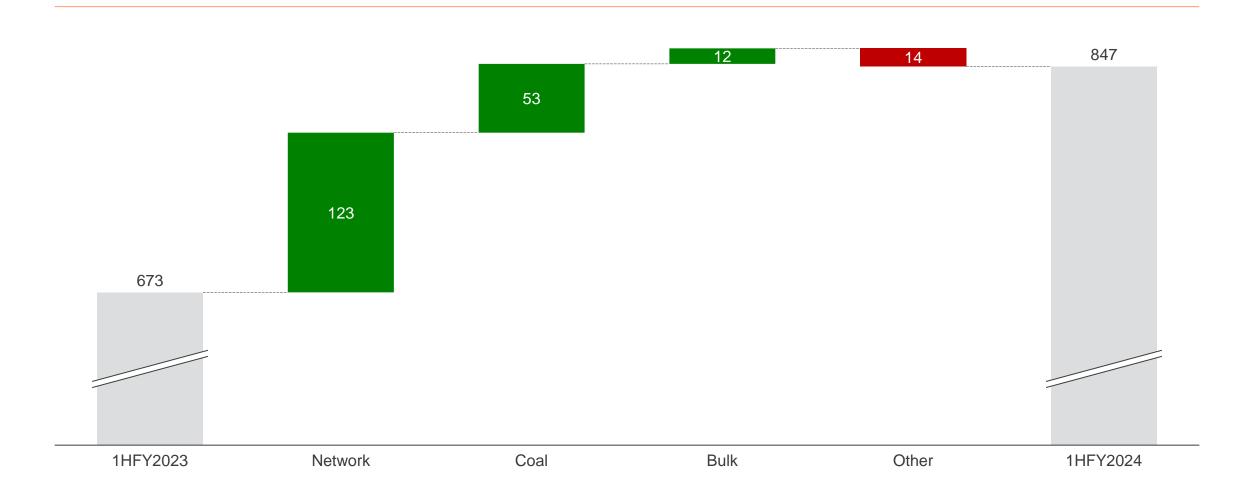


# Underlying EBITDA<sup>1</sup> by business unit (\$m)

	1HFY2024	1HFY2023	Variance	2HFY2023
Coal	283	230	23%	225
Bulk	112	100	12%	114
Network	486	363	34%	450
Other	(34)	(20)	(70%)	(34)
EBITDA	847	673	26%	755



# Underlying Group EBITDA bridge<sup>1</sup> (\$m)



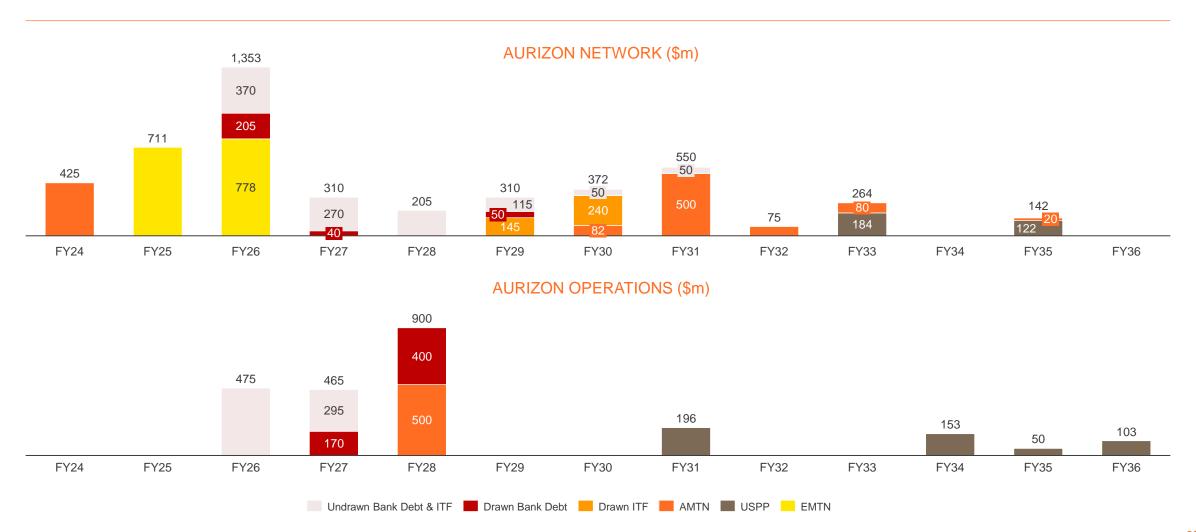


## Balance sheet summary (\$m)

	31 December 2023	30 June 2023	31 December 2022
Assets classified as held for sale	-	-	962
Other current assets	1,221	1,193	923
Total current assets	1,221	1,193	1,885
Property, plant and equipment (PP&E)	10,072	9,945	9,910
Other non-current assets	419	541	411
Total non-current assets	10,491	10,486	10,321
Total Assets	11,712	11,679	12,206
Liabilities directly associated with assets classified as held for sale	-	-	(527)
Other current liabilities	(706)	(744)	(673)
Total borrowings	(5,165)	(5,142)	(5,341)
Other non-current liabilities	(1,450)	(1,440)	(1,389)
Total Liabilities	(7,321)	(7,326)	(7,930)
Net Assets	4,391	4,353	4,276
Gearing (net debt / (net debt + equity))	53.8%	53.7%	55.0%



## Debt maturity profile<sup>1</sup>



<sup>1.</sup> Balances reflective of drawn debt, excluding working capital facility as at 31 December 2023

<sup>2.</sup> Abbreviations: Australian Medium Term Note (AMTN), Euro Medium Term Note (EMTN), United States Private Placement (USPP), Institutional Term Facility (ITF)



# 1HFY2024 Capital Expenditure<sup>1</sup> by business unit (\$m)

	Network	Coal	Bulk & Containerised Freight	Corporate	Total
Non-Growth	197	52	49	10	308
Growth	-	2	90	-	92
Total	197	54	139	10	400



# Reconciliation of borrowings

	\$m	Commentary
Total debt including working capital facility	5,265	Borrowings on a cash basis
Reconciliation to Financial Statements		
Add/(less):		
Corporation Loan	6	Borrowings acquired in connection with the Tarcoola-to-Darwin Concession Deed for face value of \$50m issued at below market interest rates maturing in 2054. The Corporation Loan is held at fair value.
Capitalised transaction costs	(21)	
Discounts on bonds	(4)	Discounts on medium term notes capitalised to the balance sheet and unwound to the income statement in accordance with AASB 9
Accumulated fair value adjustments	(81)	Accumulated fair value hedge mark-to-market adjustment on bonds in accordance with AASB 9
Total adjustments	(100)	
Total borrowings per financial report	5,165	Current and non-current borrowings



### Coal

\$m	1HFY2024	1HFY2023	Variance	2HFY2023
Above rail	642	582	10%	593
Track access	237	175	35%	175
Other	8	4	100%	2
Total Revenue	887	761	17%	770
Access costs	(243)	(185)	(31%)	(215)
Operating costs	(361)	(346)	(4%)	(330)
EBITDA	283	230	23%	225
Depreciation & Amortisation	(104)	(100)	(4%)	(104)
EBIT	179	130	38%	121
Tonnes (m)	94.0	90.5	4%	94.5
NTKs (b)	22.0	20.9	5%	21.3
Contract utilisation	82%	78%	4ppts	82%



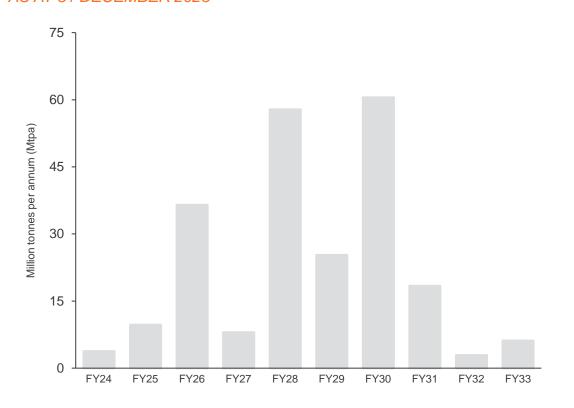
### Above Rail Coal haulage tonnes (mt) by system

	1HFY2024	1HFY2023	Variance	2HFY2023
Central Queensland Coal Network (CQCN)				
Newlands	6.7	8.0	(16%)	8.1
Goonyella	28.0	29.7	(6%)	30.4
Blackwater	24.0	22.5	7%	21.9
Moura	7.7	6.7	15%	6.3
Total CQCN	66.3	66.9	(1%)	66.7
New South Wales and South East Queensland (NSW & SEQ)				
West Moreton	1.7	1.0	70%	1.1
Hunter Valley and Illawarra	26.0	22.6	15%	26.7
Total NSW & SEQ	27.7	23.6	17%	27.8
Total	94.0	90.5	4%	94.5

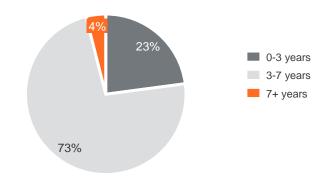


## Coal contract portfolio

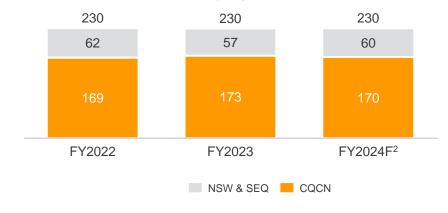
#### AURIZON COAL CONTRACT VOLUME EXPIRY BY YEAR<sup>1</sup> AS AT 31 DECEMBER 2023



#### COAL CONTRACT PORTFOLIO EXPIRY<sup>1</sup> AS AT 31 DECEMBER 2023



#### COAL CONTRACTED VOLUMES (MT)



<sup>1.</sup> Announced contract tonnages may not necessarily align with current contract tonnages. Incorporates contract extension options where applicable. Includes immaterial variations to volume/term not announced to market. Contract Volumes excludes any end of mine life contracts

<sup>2.</sup> This represents the contracted tonnes as at 31 December 2023 and includes known nominations



### Bulk

\$m	1HFY2024	1HFY2023	Variance	2HFY2023
Revenue	559	521	7%	542
Access costs	(61)	(52)	(17%)	(52)
Operating costs	(386)	(369)	(5%)	(376)
EBITDA	112	100	12%	114
Depreciation & Amortisation	(60)	(53)	(13%)	(55)
EBIT	52	47	11%	59
Above Rail Tonnes (m)	34.1	33.6	1%	34.6



## Network financial and operating metrics

\$m	1HFY2024	1HFY2023	Variance	2HFY2023
Track Access	694	583	19%	672
Services & Other	64	31	106%	51
Revenue	758	614	23%	723
Energy & Fuel	(84)	(110)	24%	(105)
Other Operating Costs	(188)	(141)	(33%)	(168)
EBITDA	486	363	34%	450
Depreciation & Amortisation	(174)	(173)	(1%)	(178)
EBIT	312	190	64%	272
Tonnes (m)	106.5	102.9	3%	104.7
NTK (bn)	26.2	25.1	4%	25.3
Operating Ratio	58.8%	69.1%	10.3ppts	62.4%
Maintenance/NTK (\$/'000 NTK)	3.0	2.7	(11%)	2.9
Opex/NTK (\$/'000 NTK)	17.0	16.9	(1%)	17.8
Cycle Velocity (km/hr)	22.3	21.0	6%	21.5
System Availability	81.3%	82.3%	(1.0ppt)	84.5%
Average Haul Length (km)	246	244	1%	241



## Network volumes: All rail operators

	1HFY2024	1HFY2023	Variance	2HFY2023
Newlands	9.7	9.8	(1%)	10.9
Goonyella	51.9	53.1	(2%)	53.9
Blackwater	28.4	26.0	9%	26.4
Moura	8.2	6.5	26%	6.3
GAPE	8.3	7.4	12%	7.2
Total (mt)	106.5	102.9	3%	104.7



#### Network 1HFY2024 Access Revenue movement

	\$m
Increase in non-GAPE MAR (excluding Revenue Cap) from 1HFY2023 to 1HFY2024	45
Revenue Cap movements 1HFY2023 to 1HFY2024	15
Volume under-recovery for 1HFY2023 (reversal of impact)	52
Volume over-recovery for 1HFY2024	27
GAPE revenue	4
Electric Traction revenue	(29)
Other Access revenue	(3)
Movement in 1HFY2023 to 1HFY2024 Access Revenue	111



#### Network adjusted MAR bridge FY2023 to FY2025

#### INDICATIVE NETWORK ADJUSTED MAXIMUM ALLOWABLE REVENUE (MAR)<sup>1</sup> FY2023 – FY2025 (\$M) +\$70m 1,158 57 Adjustments +\$125m 1,088 10 32 29 99 Adjustments Undercollection 29 963 21 941

Cap Rec

FY22 v FY21

Rev Cap FY21

Rev Cap FY22

FY23

FY24<sup>2</sup>

FY22 Capital Rec

Rev Cap FY22

Rev Cap FY23

Non-Adjustment

MAR Change

Non-Adjustment

MAR Change

**FY25**<sup>3</sup>

<sup>1.</sup> AT1-5. Amounts exclude GAPE

<sup>2.</sup> FY2024 as approved by the QCA on 25 May 2023 and used for FY24 Reference Tariffs. FY2024 MAR is based on Preliminary Reset Values. The difference between Preliminary (\$1,088m) and Final Reset Values (\$1,113m) will be recovered in FY2026 Revenue Cap (~\$25m)

<sup>3.</sup> On 31 July 2023 Network submitted Final Reset Values to the QCA for approval. Network's Final Reset Values submission proposed a final Reset WACC of 8.51% based on a risk-free rate of 3.87% and a debt risk premium of 2.48% (reflected in FY2025 in the chart above). On 19 October 2023 the QCA approved Network's Final Reset Values. In addition to the Final Reset Values, FY2025 also includes Approved Revenue Cap adjustments relating to FY2023 of ~\$32m Note: Due to rounding, the sum of components may not equal the corresponding total



## Network Revenue Adjustment Amounts (revenue cap)

Financial Year	AT <sub>2-4</sub> \$m	AT <sub>5</sub> \$m	Total (inc-GAPE) \$m	Total (ex-GAPE) \$m
2023 <sup>1</sup>	9.9	23.1	33.1	32.1
2022	30.2	11.0	41.2	29.2
2021	(40.0)	20.0	(20.0)	(1.1)
2020	(0.5)	3.9	3.4	4.9

- Revenue adjustment amounts (RAA) are the difference by system between Aurizon's Total Actual AT<sub>2-5</sub> Revenue and Allowable AT<sub>2-5</sub> Revenue
- The RAA amounts are collected or repaid through a tariff adjustment two years later
- All revenue adjustment amounts (except FY2023) include cost of capital adjustments
- RAA also includes adjustments for WACC, maintenance, rebates, energy connection costs, and other costs recoverable in accordance with Schedule F of the Access Undertaking. The net impact of these adjustments in FY2023 is to increase the \$21.5m MAR under collection by \$10.6m to a \$32.1m recovery from access holders ex-GAPE



# Reconciliation of billed MAR to reported access revenue

\$m	1HFY2024 Actual	FY2023 Actual	FY2022 Actual
Access Revenue (AT <sub>1</sub> to AT <sub>5</sub> ) (ex. GAPE)	556	942	891
Approved Adjustments to MAR			
Revenue Cap (ex. GAPE and inclusive of capitalised interest)	15	(1)	5
Regulated Access Revenue (ex. GAPE)	571	941	896
Total non-regulated Access Revenue (ex. GAPE)	43	161	77
Total GAPE Revenue (Regulatory + non-regulatory)	80	152	161
Total Access Revenue per Aurizon Statutory Accounts	694	1,255	1,134



#### Network: Maximum Allowable Revenue

The Maximum Allowable Revenue (MAR) is the total regulatory revenue Network is permitted to earn each year

#### APPROVED ALLOWABLE REVENUE (\$m)1

Building block component	FY2024 <sup>2</sup> Approved Preliminary Reset Values Allowable Revenue	<b>FY2025</b> Approved Final Reset Values Allowable Revenue	FY2026 Approved Final Reset Values Allowable Revenue	FY2027 Approved Final Reset Values Allowable Revenue
Return on capital	493.7	515.5	520.9	523.9
Depreciation (less inflation)	249.5	272.4	303.7	316.6
Direct maintenance costs	164.1	174.9	175.8	179.5
Indirect maintenance costs	17.5	18.0	17.4	17.1
Non-electric operating expenditure	135.1	135.1	135.1	135.1
Electric operating expenditure	72.0	72.0	72.0	72.0
Tax allowance	49.2	53.4	57.7	58.3
Adjustments	62.6	31.6	32.3	33.1
Total	1,243.8	1,272.9	1,314.9	1,335.5

Total (excluding GAPE)	1.088.0	1.125.6	1.168.6	1.209.9
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-,



Does not include FY2023 revenue cap adjustment of **~\$32m** 

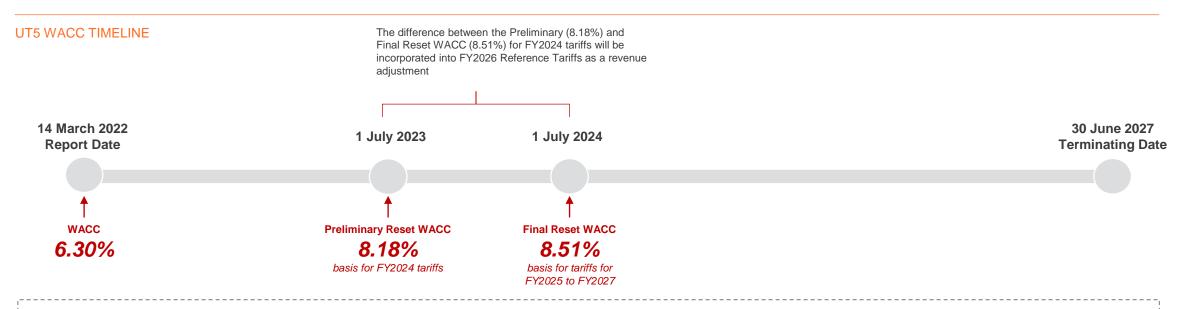
Does not include the FY2024 Final Reset Values adjustment of ∼\$25m

<sup>1.</sup> On 31 July 2023 Network submitted Final Reset Values to the QCA for approval. Network's Final Reset Values submission proposed a final Reset WACC of 8.51% based on a risk-free rate of 3.87% and a debt risk premium of 2.48% (reflected in FY2025 to FY2027 in the table above). On 19 October 2023 the QCA approved Network's Final Reset Values. FY2025 Proposed Final Allowable Revenue does not include Revenue Cap adjustments from FY2023

<sup>2.</sup> FY2024 MAR is based on Preliminary Reset Values. While the Final Reset Values take effect from 1 July 2023, FY2024 Allowable Revenues and Tariffs will not be amended during the year to reflect the QCA's decision on the Final Reset Values. The difference between the Preliminary \$1,088m and Final Reset Allowable Revenues \$1,113m for FY2024 (1 July 2023 to 30 June 2024) will be reconciled through the FY2024 Revenue Adjustment Amounts (Revenue Cap) process in two years' time and will be incorporated into FY2026 Reference Tariffs.



#### UT5 WACC Reset Timeline



	QCA 2018 Decision	Preliminary Reset	Final Reset WACC	Change against QCA 2018 Decision
WACC	<b>6.30%</b> to 30 June 2023	<b>8.18%</b> From 1 July 2023	<b>8.51%</b> From 1 July 2024	+2.21ppts
Debt Risk Premium	2.04%	2.60%	2.48%	+0.24ppts +0.44% x 0.55 leverage
Risk Free Rate	1.90%	3.47%	3.87%	+1.97ppts

