

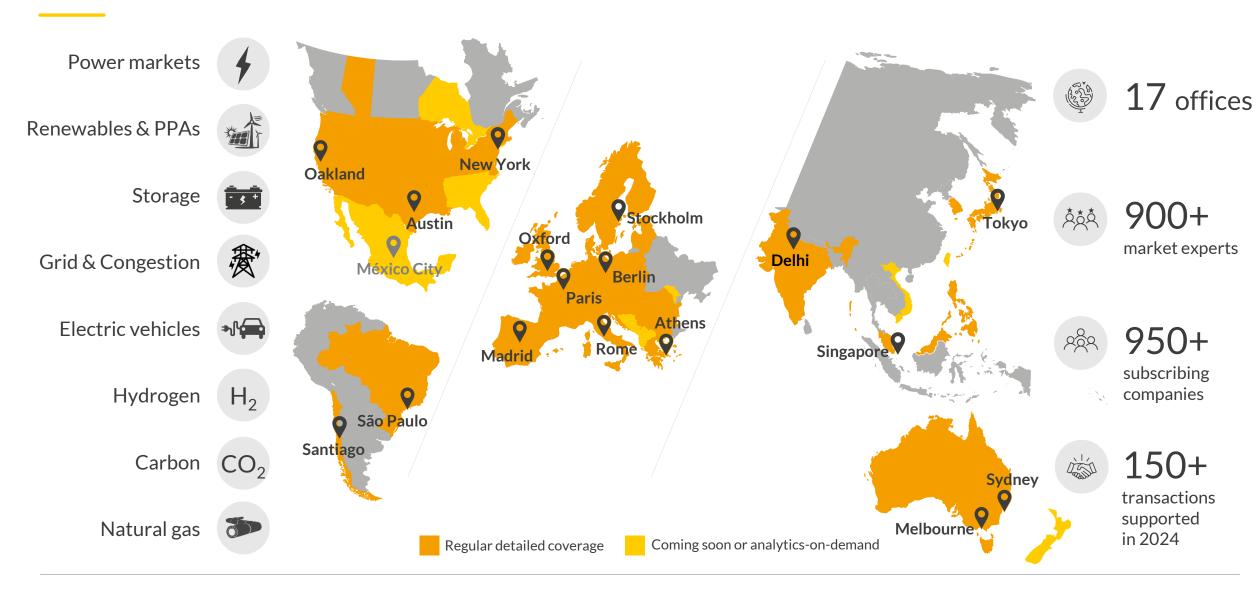
NEM BESS Investment

August 2025



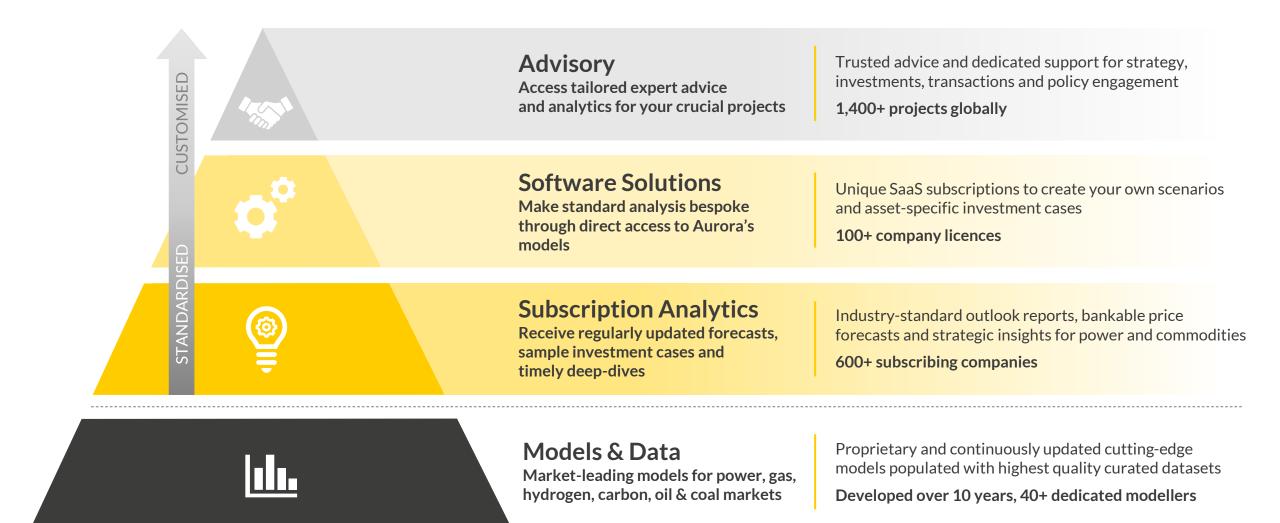
Aurora provides market leading forecasts & data-driven intelligence for the global energy transition





Aurora's market-leading models underpin a comprehensive range of seamlessly integrated services to best suit your needs





Source: Aurora Energy Research CONFIDENTIAL 3

Subscribe to powerful forecast and data services for tailored research into market developments, policy interpretation, and topical energy market issues

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∞ ORIGIN

Putting our power market model into your hands



AMUN

Quantifying the true value of your wind project in minutes



CHRONOS

The leading battery analytics software



LUMUS

PPA pricing made transparent (coming soon)



SOLARIS

Solar market software (coming soon)

Subscription Analytics:

Forecasts & Insight Analysis



Flexible Energy Add-On

Detailed analysis and granular forecasts for power, balancing, and ancillary service markets plus investment case data for a wide range of battery storage and gas peaker business models.



PPA Add-On

Aurora's analysis of "fair value" for PPAs across wind. solar and BESS.

> Analysis from the developer's cost-based perspective and the offtaker's value-based perspective.

Power & Renewables Service

Robust, transparent analysis, widely used and trusted amongst major market participants.

Bankable forecasts to support asset financing and in-depth analysis to underpin your investment strategies.



Grid Add-On

Granular analysis of network constraints and impact on the economics of generation and flexibility assets, including scenarios with varying network capacity.



EOS Subscriber Platform

Agenda



Introduction to Aurora

Historical view of BESS II.

- 1. Capacity buildout
- 2. Historical performance of BESS

Forwards outlook of BESS

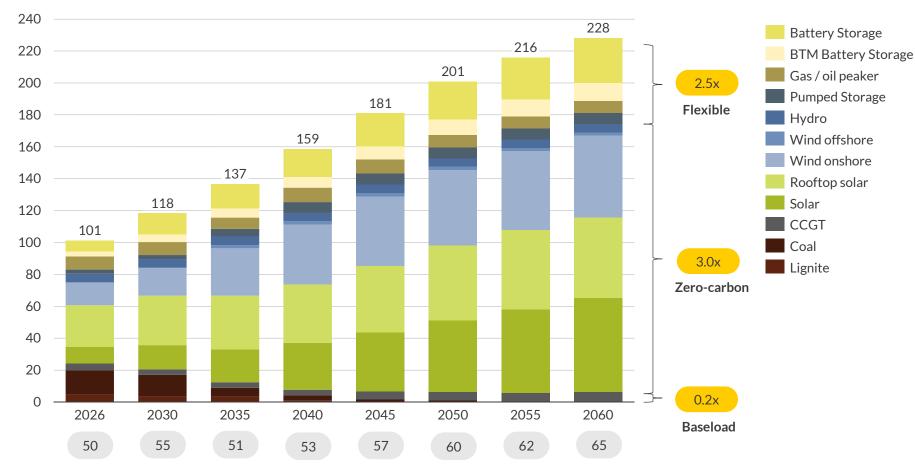
- 1. Future outlook of BESS
- 2. System incident events

IV. Q&A

The NEM is expected to become increasingly dominated by renewable and flexible technologies

NEM-wide capacity





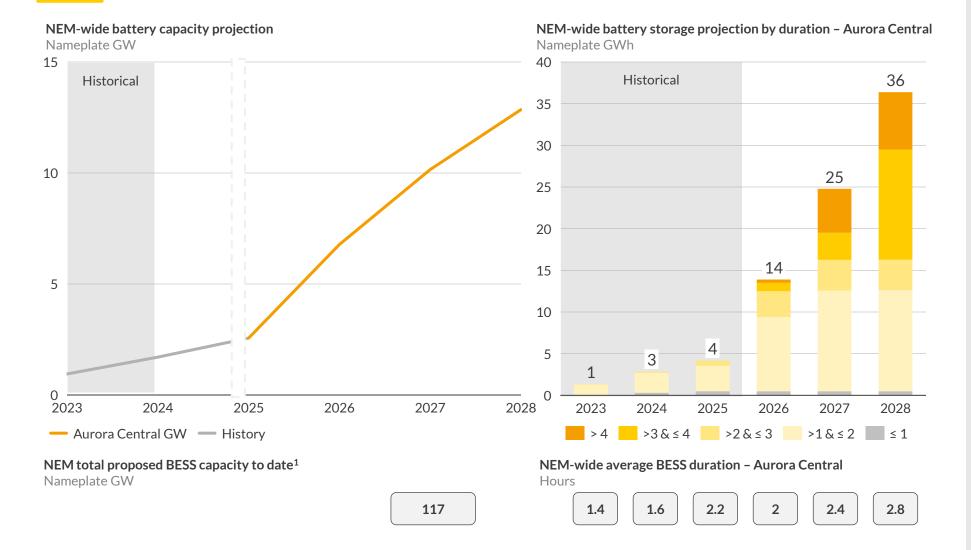
Total NEM dispatchable¹ capacity, GW

Aurora Central capacity expansion:

- State-backed renewable projects help drive renewable buildout in the 2020s. with an increase in utility-scale solar and onshore wind capacity of 30% from FY26 to FY30. The Capacity Investment Scheme's target of 21GW of new renewables in the NEM is forecasted to be met by FY35.
- Growth in renewables continues in the 2030s and 40s as current grid constraints are relieved with transmission augmentation.
- Coal retirements accelerate from the late 2020s, with 17GW expected to close between FY29 and FY36, in line with announcements from asset owners.
- The buildout of grid-scale batteries accelerates in the 2040s as costs continue to fall and mid-merit gas exits, leaving spreads set more often between renewable and gas-peaking plants.
- By 2050, wind and solar capacity dominate the market with over 141GW of capacity being forecast to be built.

¹⁾ Dispatchable capacity includes thermal generation, reservoir and pumped hydro, and both behind-the-meter and grid-scale batteries

Aurora expects deployment of utility-scale BESS to continue apace, with a shift in interest towards longer duration assets



Outlook for battery capacity

- Aurora is forecasting the installed NEM BESS capacity to reach ~13GW or ~36GWh close to the end of 2020s.
- The increase in short-term capacity is driven by inclusion of newly committed battery projects and partial inclusion of potential BESS capacity from the CIS 3 auction.
- The predominant duration in the NEM to date has been below 2 hours. However, the NEM is expected to see an increase in longer-duration battery installations, primarily driven by batteries that have been awarded CIS/LTESA contracts.
- In April 2025, AEMO has reported a total of ~117 GW of battery capacity in the pipeline¹.

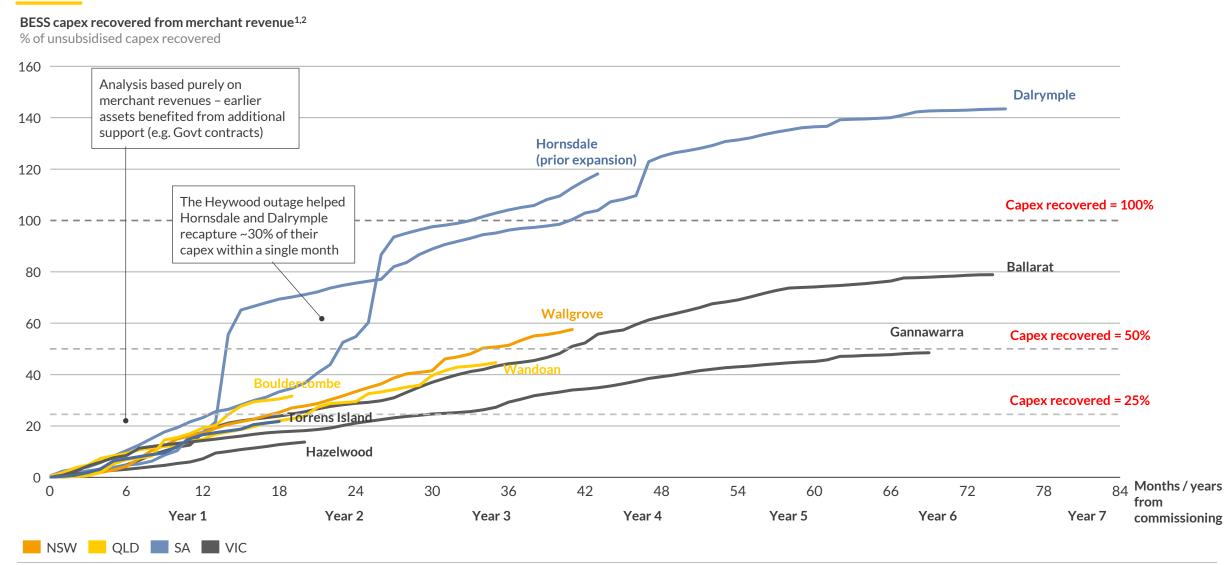
CONFIDENTIAL 7 Sources: Aurora Energy Research, AEMO

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¹⁾ Total proposed figure from AEMO's latest (April 2025) NEM Generation Information document. *Years shown are in financial years. 2025 historic values are year-to-date.

Hornsdale and Dalrymple paid off their capex in 32-38 months; newer batteries are on track to repay costs using merchant revenue in 60-80 months





¹⁾ Percentage of capex recovered are displayed, calculated using publicly available AEMO MMS data. Only batteries with a capacity of 20MW or higher and batteries with capex data publicly available included.

Source: Aurora Energy Research CONFIDENTIAL

Agenda



- **Introduction to Aurora**
- **Historical view of BESS**
 - 1. Capacity buildout
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Forwards outlook of BESS

- 1. Future outlook of BESS
- 2. System incident events
- IV. Q&A

BESS investment economics have improved, driven by updated assumptions reflecting higher solar $A \cup R \Rightarrow R A$ uptake, stronger demand outlook, rising wind LCOEs, and a refreshed view on market volatility

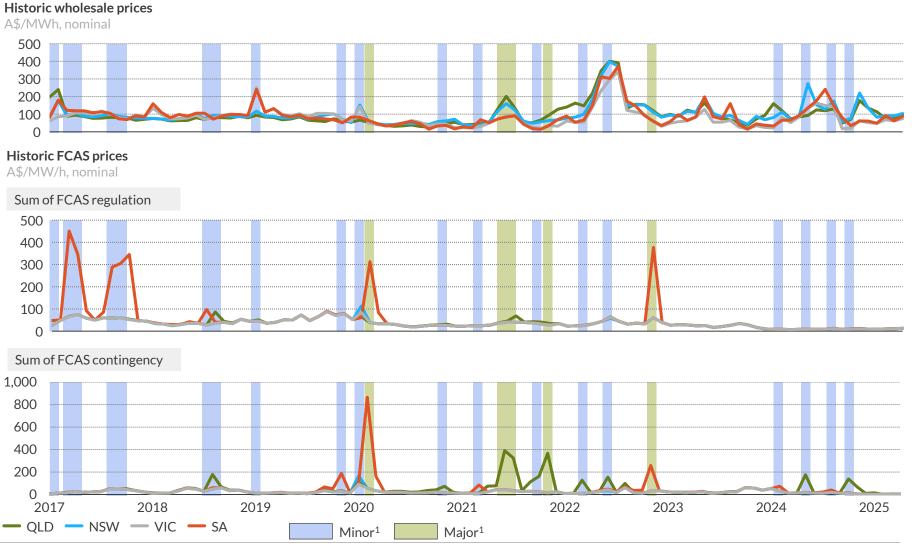
- Results from the 72 standard battery investment cases are collated below and allow for direct comparison and tracking over time as market updates affect battery returns.
- Underlying annual gross margins and breakdown by revenue stream can be found in the accompanying databook.
- Rapidly falling capex costs are expected to benefit batteries of all durations with FY29-entry batteries seeing higher IRRs across all regions in Aurora Central. This is particularly noticeable for 2 and 4-hour duration batteries as FCAS prices fall from their historical highs resulting in a shifting revenue stack favouring wholesale arbitrage in the long-term.

Present Value of Revenue ¹ (\$/kw)								IRR (%)									
Aurora Central			Aurora Low			Messy Transition			Aurora Central		Aurora Low		Messy Transition				
1h	2h	4h	1 h	2h	4h	1 h	2h	4h	1 h	2h	4h	1 h	2h	4h	1 h	2h	4h
973	1,320	1,835	779	1,039	1,406	1,168	1,599	2,269	11.0	10.9	9.3	7.3	7.0	5.1	14.4	14.5	13.0
1,066	1,446	2,010	906	1,211	1,643	1,260	1,722	2,433	12.7	12.6	10.8	9.9	9.5	7.7	15.8	15.9	14.3
1,144	1,543	2,099	1,008	1,342	1,788	1,265	1,728	2,404	14.1	13.9	11.6	11.6	11.2	8.9	16.2	16.2	14.2
885	1,275	1,835	751	1,075	1,535	1,034	1,502	2,193	9.5	10.4	9.4	7.2	7.8	6.7	12.0	13.2	12.3
932	1,261	1,745	712	952	1,290	1,154	1,591	2,277	12.3	12.3	10.8	8.0	7.9	6.3	16.6	17.1	15.9
1,058	1,428	1,978	923	1,227	1,655	1,284	1,755	2,484	14.9	14.9	13.1	12.1	11.9	9.9	19.3	19.7	18.1
1,074	1,452	1,987	963	1,278	1,696	1,220	1,680	2,359	15.2	15.2	13.1	12.9	12.6	10.3	18.1	18.6	16.8
889	1,262	1,808	760	1,068	1,509	1,067	1,537	2,244	11.5	12.3	11.4	9.1	9.7	8.6	14.7	16.1	15.5
	1h 973 1,066 1,144 885 932 1,058 1,074	1h 2h 973 1,320 1,066 1,446 1,144 1,543 885 1,275 932 1,261 1,058 1,428 1,074 1,452	1h 2h 4h 973 1,320 1,835 1,066 1,446 2,010 1,144 1,543 2,099 885 1,275 1,835 932 1,261 1,745 1,058 1,428 1,978 1,074 1,452 1,987	1h 2h 4h 1h 973 1,320 1,835 779 1,066 1,446 2,010 906 1,144 1,543 2,099 1,008 885 1,275 1,835 751 932 1,261 1,745 712 1,058 1,428 1,978 923 1,074 1,452 1,987 963	1h 2h 4h 1h 2h 973 1,320 1,835 779 1,039 1,066 1,446 2,010 906 1,211 1,144 1,543 2,099 1,008 1,342 885 1,275 1,835 751 1,075 932 1,261 1,745 712 952 1,058 1,428 1,978 923 1,227 1,074 1,452 1,987 963 1,278	1h 2h 4h 1h 2h 4h 973 1,320 1,835 779 1,039 1,406 1,066 1,446 2,010 906 1,211 1,643 1,144 1,543 2,099 1,008 1,342 1,788 885 1,275 1,835 751 1,075 1,535 932 1,261 1,745 712 952 1,290 1,058 1,428 1,978 923 1,227 1,655 1,074 1,452 1,987 963 1,278 1,696	1h 2h 4h 1h 2h 4h 1h 973 1,320 1,835 779 1,039 1,406 1,168 1,066 1,446 2,010 906 1,211 1,643 1,260 1,144 1,543 2,099 1,008 1,342 1,788 1,265 885 1,275 1,835 751 1,075 1,535 1,034 932 1,261 1,745 712 952 1,290 1,154 1,058 1,428 1,978 923 1,227 1,655 1,284 1,074 1,452 1,987 963 1,278 1,696 1,220	1h 2h 4h 1h 2h 4h 1h 2h 973 1,320 1,835 779 1,039 1,406 1,168 1,599 1,066 1,446 2,010 906 1,211 1,643 1,260 1,722 1,144 1,543 2,099 1,008 1,342 1,788 1,265 1,728 885 1,275 1,835 751 1,075 1,535 1,034 1,502 932 1,261 1,745 712 952 1,290 1,154 1,591 1,058 1,428 1,978 923 1,227 1,655 1,284 1,755 1,074 1,452 1,987 963 1,278 1,696 1,220 1,680	1h 2h 4h 1h 2h 4h 1h 2h 4h 973 1,320 1,835 779 1,039 1,406 1,168 1,599 2,269 1,066 1,446 2,010 906 1,211 1,643 1,260 1,722 2,433 1,144 1,543 2,099 1,008 1,342 1,788 1,265 1,728 2,404 885 1,275 1,835 751 1,075 1,535 1,034 1,502 2,193 932 1,261 1,745 712 952 1,290 1,154 1,591 2,277 1,058 1,428 1,978 923 1,227 1,655 1,284 1,755 2,484 1,074 1,452 1,987 963 1,278 1,696 1,220 1,680 2,359	1h 2h 4h 1h 2h 4h 1h 2h 4h 1h 973 1,320 1,835 779 1,039 1,406 1,168 1,599 2,269 11.0 1,066 1,446 2,010 906 1,211 1,643 1,260 1,722 2,433 12.7 1,144 1,543 2,099 1,008 1,342 1,788 1,265 1,728 2,404 14.1 885 1,275 1,835 751 1,075 1,535 1,034 1,502 2,193 9.5 932 1,261 1,745 712 952 1,290 1,154 1,591 2,277 12.3 1,058 1,428 1,978 923 1,227 1,655 1,284 1,755 2,484 14.9 1,074 1,452 1,987 963 1,278 1,696 1,220 1,680 2,359 15.2	1h 2h 4h 1h 2h 2,269 11.0 10.9 1,066 1,446 2,010 906 1,211 1,643 1,260 1,722 2,433 12.7 12.6 1,144 1,543 2,099 1,008 1,342 1,788 1,265 1,728 2,404 14.1 13.9 885 1,275 1,835 751 1,075 1,535 1,034 1,502 2,193 9.5 10.4 932 1,261 1,745 712 952 1,290 1,154 1,591 2,277	1h 2h 4h 1h 2h 4h 1h 2h 4h 1h 2h 4h 973 1,320 1,835 779 1,039 1,406 1,168 1,599 2,269 11.0 10.9 9.3 1,066 1,446 2,010 906 1,211 1,643 1,260 1,722 2,433 12.7 12.6 10.8 1,144 1,543 2,099 1,008 1,342 1,788 1,265 1,728 2,404 14.1 13.9 11.6 885 1,275 1,835 751 1,075 1,535 1,034 1,502 2,193 9.5 10.4 9.4 932 1,261 1,745 712 952 1,290 1,154 1,591 2,277 12.3 12.3 10.8 1,058 1,428 1,978 923 1,227 1,655 1,284 1,755 2,484 14.9 14.9 13.1 1,074 1,452	1h 2h 4h 1h 973 1,320 1,835 779 1,039 1,406 1,168 1,599 2,269 11.0 10.9 9.3 7.3 1,066 1,446 2,010 906 1,211 1,643 1,260 1,722 2,433 12.7 12.6 10.8 9.9 1,144 1,543 2,099 1,008 1,342 1,788 1,265 1,728 2,404 14.1 13.9 11.6 11.6 885 1,275 1,835 751 1,075 1,535 1,034 1,502 2,193 9.5 10.4 9.4 7.2 932 1,261 1,745 712 952 1,290 1,154 1,591 2,277 12.3 12.3 10.8 8.0 1,058	1h 2h 4h 1h 2h 2.269 11.00 10.9 9.3 7.3 7.0 1,066 1,446 2,010 906 1,211 1,643 1,265 1,728 2,404 14.1 13.9 11.6 11.6 11.2 885 1,275 1,835 751 1,075 1,535 <td>1h 2h 4h 1h 2h 2,269 1,260 1,211 1,643 1,260 1,722 2,433 12.7 12.6 10.8 9.9 9.5 7.7 1,144 1,543 2,099 1,008 1,342 1,788 1,265 1,728</td> <td>1h 2h 4h 1h 2h 2h 2c69 11.0 10.9 9.3 7.3 7.0 5.1 14.4 1,066 1,446 2,010 906 1,211 1,643 1,265 1,728 2,404 14.1 13.9 11.6 11.6 11.2 8.9</td> <td>1h 2h 4h 1h 2h 2.269 11.0 10.9 9.3 7.3 7.0 5.1 14.4 14.5 1,066 1,446 2,010 906 1,211 1,643 1,265 1,728 2,404 14.1 13.9 11.6 11.6 11.2 8.9 16.2 1,074</td>	1h 2h 4h 1h 2h 2,269 1,260 1,211 1,643 1,260 1,722 2,433 12.7 12.6 10.8 9.9 9.5 7.7 1,144 1,543 2,099 1,008 1,342 1,788 1,265 1,728	1h 2h 4h 1h 2h 2h 2c69 11.0 10.9 9.3 7.3 7.0 5.1 14.4 1,066 1,446 2,010 906 1,211 1,643 1,265 1,728 2,404 14.1 13.9 11.6 11.6 11.2 8.9	1h 2h 4h 1h 2h 2.269 11.0 10.9 9.3 7.3 7.0 5.1 14.4 14.5 1,066 1,446 2,010 906 1,211 1,643 1,265 1,728 2,404 14.1 13.9 11.6 11.6 11.2 8.9 16.2 1,074

¹⁾ Assumed discount rate of 11% real. *Years shown are in financial years.

Source: Aurora Energy Research CONFIDENTIAL 10

In the last calendar year, NEM have seen a total of four minor events, these have resulted in notable price shocks to various regions

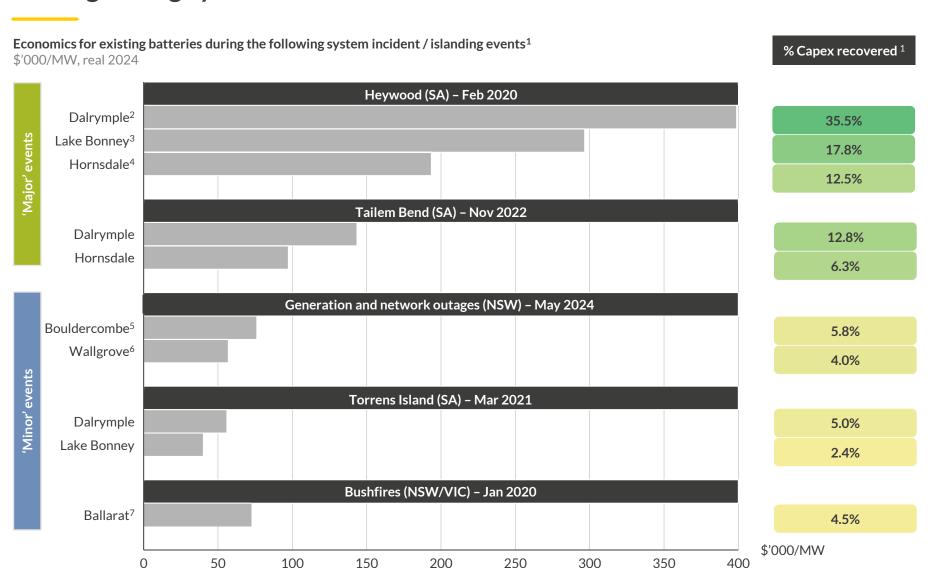


- We have a seen a number of very high price events in the NEM in recent years. These events offer significant upsides to BESS revenues.
- Aurora has called out multiple system events that have driven battery revenues:
 - Minor events are times where volatility is driven by atypical system events; often the separation of FCAS markets
 - Major events –are times where volatility is driven by system events. but where the effects are longer lasting and are of a greater magnitude of cost. Major events have often created frequency islands in the NEM resulting in extreme FCAS prices, or extended periods of scarcity of supply and high wholesale volatility
- It is challenging to forecast future frequency / location / magnitude of these events given certain risks may abate (e.g. less risk of islanding once more interconnectors are built, more competition from battery capacity), while others may worsen (e.g. ageing thermal plants, extreme weather).

1) Aurora's categorisation of 'major' and 'minor' events includes out-of-equilibrium system events that lead to outsized battery returns in wholesale and/or FCAS markets. System incidents that are short-lived and have minimal market impact are not considered 'major' or 'minor' events, and are not removed from Aurora's typical volatility calibration. AEMO reported 36 and 20 system incidents in 2021 and 2022, many of which had minimal impact on wholesale and FCAS markets.

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Real batteries have earned up to ~36% of their capex in a single month of trading during system events



Historical outcomes during system events

- 'Major' and 'minor' system events have shown to be major contributors to battery gross margins.
- Up to 36% of capex was earned during major system events, while up to 6% was earned in minor events. Individual battery returns vary during system events due to differing trading strategies, asset duration and grid constraints.
- Historical battery gross margins presented here account only for merchant trading, and do not include other sources of revenue, such as contracts to provide grid services.
- Revenues represent one month of trading for consistency
- Historically, FCAS has dominated system event revenues for batteries. Recent outcomes during both system events and system normal conditions have seen a shift towards wholesale arbitrage however, with Aurora expecting this trend to continue with the growth of battery capacity in the NEM.

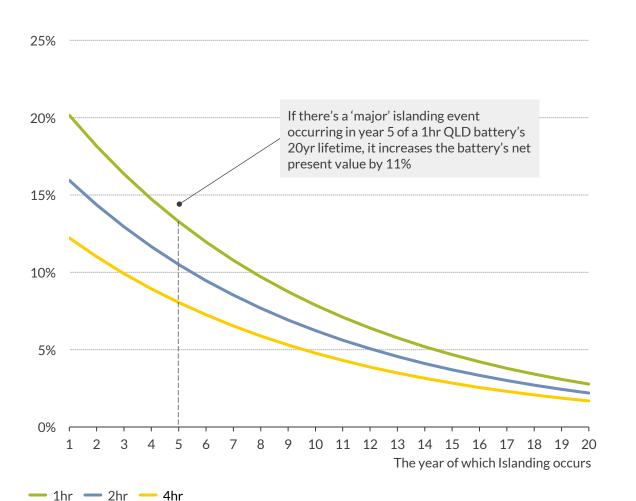
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¹⁾ Gross margins shown are based on merchant trading only, calculated from underlying NEMDE prices in the asset's state of registration and exclude any grid charges. Reported capex is in real 2023, see $\frac{\text{here}}{\text{here}}$ and $\frac{\text{here}}{\text{here}}$ for further details. 2) 30MW/8MWh 3) 25MW/52MWh 4) 150MW/193MWh 5) 50MW/100MWh 6) 50MW/75MWh 7)30MW/30MWh

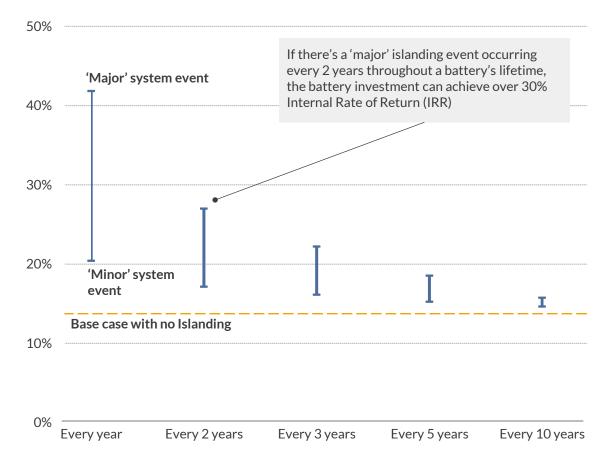
The timing and frequency of major/minor events in a BESS asset's lifetime creates a significant range in potential upside







2026 SA 1hr Battery IRRs¹ with varying frequency of system events occurring



Source: Aurora Energy Research CONFIDENTIAL 13

^{1).} Assumes a discount rate of 11%. Uses Aurora Q2 2025 battery capex assumptions.



QUESTIONS?

Flexible Energy Market Forecast





Chronos for Australia

Contact us to learn more!

Piers.Beesley@auroraer.com



Introduction to Austrade



Kirstyn Thomson

Senior Trade & Investment Commissioner

Austrade Singapore

About Austrade

Austrade has 1,371 total staff; about 60% in Australia and 40% offshore across 49 countries and 67 posts

Through our capabilities...

Mission:

We deliver quality **trade** and **investment** services to businesses and policy advice to government to grow Australia's prosperity

Vision:

Matching trade and investment **opportunities** with global partners. Driving Australia's innovation, wages and jobs growth













..we deliver on whole-of government priorities...



Diversification



Net zero



Economic security



First nations



Visitor economy



Trade modernisation

..and achieve our ambitions _ for Australia

- Supporting clients to deliver \$10 billion in new exports
- Attracting \$40 billion in new productive investment which supports 50,000 jobs
- Growing the visitor economy to expand beyond \$166 billion
- Achieving a Top 10 nation brand ranking for Australia

Launched Invested: Australia's Southeast Asia Economic Strategy to 2040 in September 2023 with an ambition to boost two-way trade and investment with the region

Preparing for Net Zero

Australia's renewables credentials



4th-largest utility-scale storage market¹

With nearly 9 GW / 20 GWh utility battery capacity under construction or in operation¹



+37,000 km² for future wind generation⁷

The 2nd highest potential for solar power⁸



5th-most attractive country for renewable energy investment²

An additional 9.3 terawatt-hours of solar and wind energy in 2023³

Target of 82% of power from renewables by 2030⁴



A\$300 billion in potential hydrogen investments⁹

Over 100 major hydrogen projects planned¹¹



6th-largest producer of solar energy⁵

Sufficient to power 7 million homes⁶ 1st in per capita terms⁵



Largest producer of lithium in the world

Largest reserves of nickel, zinc and iron ore 2nd largest reserves of lithium, copper, cobalt and tantalum¹¹

Sources: 1. Rystad, 2024. 2. EY, 2024, Renewable Energy Country Attractiveness Index 2023. 3. Department of Industry, Science, Energy and Resources (2024) Australian Energy Statistics. 4. Department of Climate Change, Energy, the Environment and Water, 2022, Government backs next-generation renewable technology; Austrade. 5. The World Bank, 2024, The World Bank open data; U.S. Energy Information Administration, 2024, Electricity data; Worldometer, 2024, Population by country; all accessed on 19 April 2024, Austrade. 6. Frontier Economics, 2020, Residential energy consumption benchmarks. 7. Department of Climate Change, Energy, the Environment and Water, 2024, Australia's offshore wind areas. 8. The World Bank, 2023, Global photovoltaic power potential by country. 9. Department of Climate Change, Energy, the Environment and Water, 2024, Australia's National Hydrogen Strategy. 10. Geoscience Australia, 2022, Australian Hydrogen projects dataset, September 2022. 11. Geoscience Australia, 2024, Australia's Identified Mineral Resources; US Department of the Interior, 2024, Mineral Commodity Summaries.



Austrade Investment Services

The Australian Trade and Investment Commission (Austrade) is the Australian Federal Government's international trade and investment promotion agency. We deliver quality trade and investment services to businesses to grow Australia's prosperity.



Sector insights

Provide insights on Australian ecosystems and success stories.

Gaps and opportunities

Insights for your investment to fill the market gaps.

Regulation and incentives

Advise on R&D tax incentive, FIRB and visa.



Connection

Introductions

Federal, state and territory governments and program support.

Referrals

Professional service providers such as legal and tax advisers.

Invitations

Events, roundtables and industry briefings.



Support

Business matching

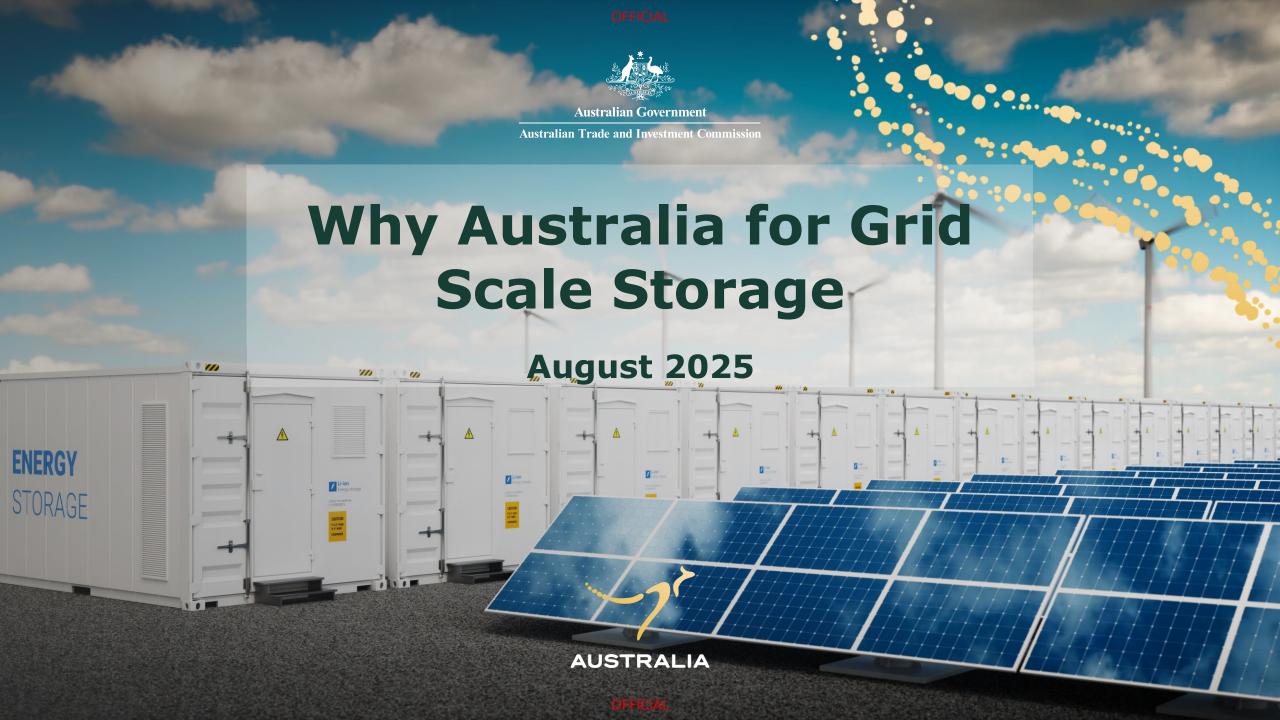
Introduce you to potential partners and suppliers.

Site visits to Australia

Facilitate site visits and arrange itinerary with key stakeholders, government/business partners.

Information requests

Conduct tailored research to respond to investor questions



Australia's energy transition



Australia's energy transition is **real and accelerating**



Underpinned by a country-wide plan to achieve 82% renewable energy by 2030 and net zero emission by 2050



Achieving our transition will require large volumes of **renewables and energy storage**



Pathway to Net Zero

40%

renewable generation 2024



renewable generation 2030



by 2050

A\$120 bn

capital required to decarbonise Australia's National Electricity Market to reach 82% renewables by 2030.

Clean Energy Financial Corporation (CEFC), Annual Report 2022-23



10,000 km new electricity transmission



Distributed solar PV to increase 4-fold



By 2050

Grid-scale wind & solar to increase 6-fold



Storage capacity to increase significantly to over

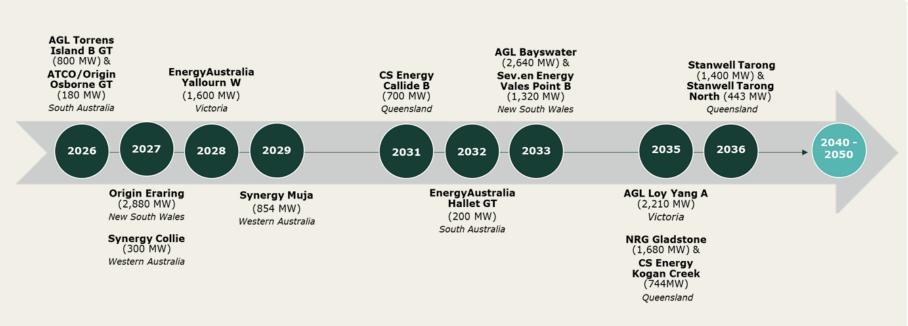


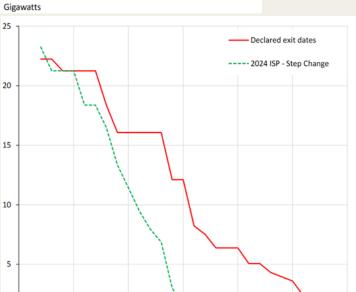
Coal generation to be **withdrawn**

49GW/660GWh

Coal-Fired Power Station Closures

Fuelling an urgent need for firmed renewables to meet Australia's energy demand





NEM operational coal capacity per year

2020

2025

2030

Source: Rystad Energy | Australia Renewables & Power Trends Report – June 2025

2040

2045

2035

Exact dates subject to change.

Source: AEMO | Generation information, April 2025

Energy Transition Well Underway

- On 1 Oct 2024, new record was set for renewable electricity penetration in Australia's National Electricity Market (NEM) grid
- Australia would need to add approximately 6 GW of utility scale generation capacity <u>each year</u> to replace ageing coal generation
- Increase in renewables and falling dispatchable coal means:

"The most pressing need in the next decade is for dispatchable batteries, pumped hydro or alternative storage to manage daily and seasonal variations in the output from fast-growing solar and wind generation"

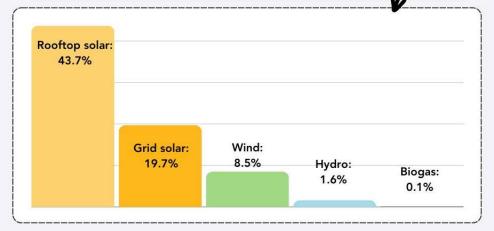
- Australian Energy Market Operator (AEMO)

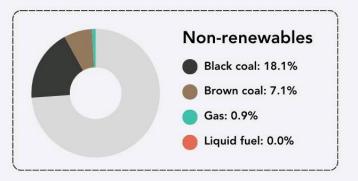




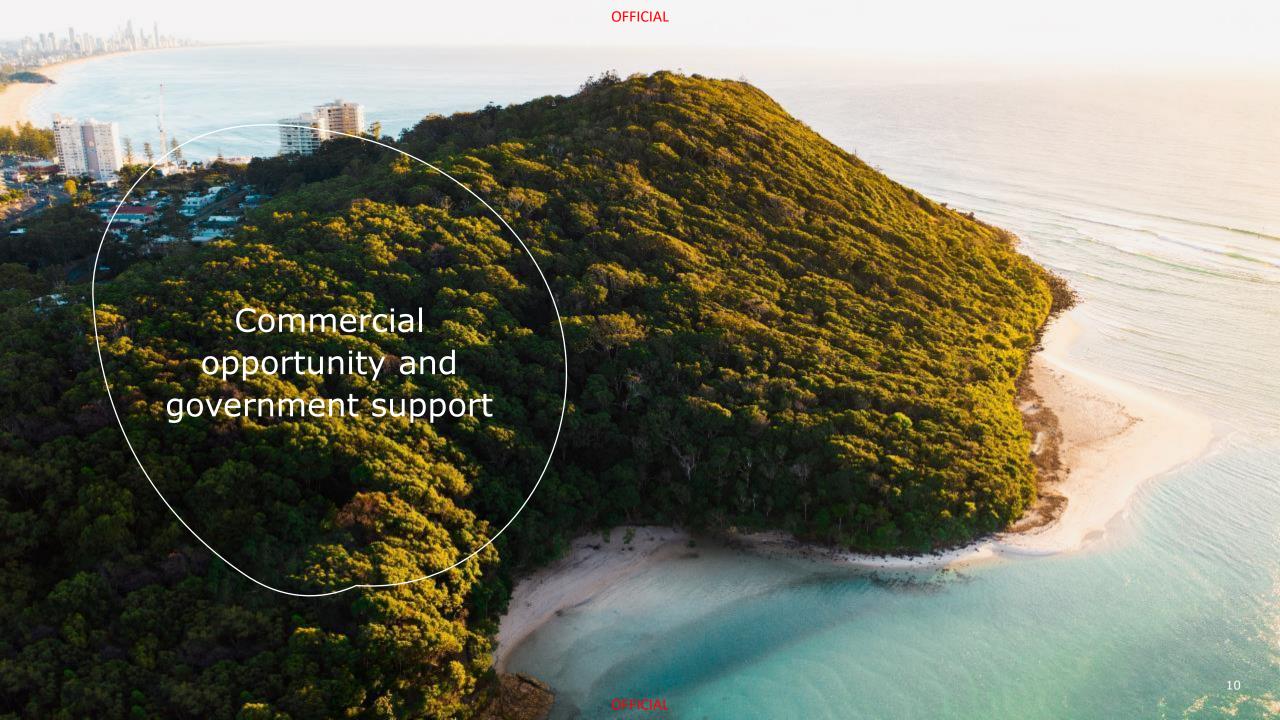
73.87%

11:30am*
1 October 2024









Why Australia for Energy Storage

Scale, certainty, and first-mover advantage in a A\$70B clean energy transformation



Huge Market Opportunity

Over 20 GW of coal set to retire by 2035 – drive urgent demand for firming capacity



Revenue Certainty via CIS

Capacity Investment Scheme underwrites storage revenue for up to 15 years - \$70 billion investment pipeline by 2030



Multi-Revenue Streams

Mature BESS markets with stacked value; energy arbitrage, FCAS, system strength, and emerging network support services



Storage Beyond the Grid

Backed by strong policy, diesel-replacement economics, and growing demand from mines, communities and remote industry.



Strong policy support

Active support from governments and investors seeking international partnerships



Location Still Matters

Grid constraints create high-value, site specific opportunities

Government action to support energy transition

Australian storage policy, funding & renewables targets

Rewiring the Nation

A\$20bn to upgrade electricity grid

DCCEEW: Rewiring the Nation

Capacity Investment Scheme

26 GW of renewable capacity 14 GW of clean dispatchable

capacity

DCCEEW: Capacity Investment Scheme

Demand-Side Support Measures

A\$2.3bn Cheaper Home Batteries Program Small-Scale Renewable Energy Scheme

DCCEEW, <u>Cheaper Home Batteries Program</u> CER, Small-scale Renewable Energy Scheme

Clean Energy Finance Corporation

Australia's 'green bank' which invests in in renewable energy, energy efficiency and low emissions technologies



Future Made in Australia Innovation Fund

A\$1.7bn to support innovation, commercialisation and pilot programs of clean technologies

Australian Government Budget 2024-25;

National Reconstruction Fund

A\$3bn to support clean technologies

Department of Industry, Science and Resources

National Reconstruction Fund

Clean Energy Manufacturing Programs

A\$523m Battery Breakthrough Initiative A\$1bn Solar Sunshot Program

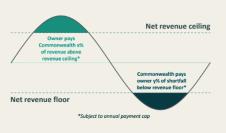
ARENA: <u>Solar Sunshot</u>
ARENA, Battery Breakthrough Initiative

The Capacity Investment Scheme (CIS)

Revenue underwriting scheme encouraging new investment in renewables and storage



Long-term
Commonwealth
Government
revenue
underwriting for
an agreed 'floor'
and 'ceiling'





Competitive tenders (~ every 6 months) to determine the projects supported and the agreed revenue 'floor' and 'ceiling'



Launched in 2023, with roll-out from 2024 to 2027, the CIS aims to deliver **14GW of dispatchable capacity** and **26GW of new variable renewable capacity** to be supported by the scheme, by 2030



Successful proponents awarded CIS Agreement (CISA) for up to 15 years



Anticipated to support around **\$70 billion in investment** in renewable generation and clean dispatchable capacity



Will work alongside state government targets and auctions, National Energy Transformation Partnership, and Rewiring the Nation

TENDERS SNAPSHOT	CAPACITY TARGETS	REGISTRATIONS*	BIDS SUBMITTED TO STAGE A	INVITED TO STAGE B	SUCCESSFUL BIDS	
SA/Vic - Dispatchable	2.4 GWh (600 MW of 4hr equivalent)	155 Registrations ~ 33 GW ~ 90 GWh	104 Bids ~ 19 GW ~ 59 GWh	20 Bids ~ 3.6 GW ~ 11 GWh	6 Bids 995 MW 3,626 MWh	
Tender 1 - NEM Generation	6 GW	119 Registrations ~ 41 GW	84 Bids ~ 27 GW ~ 16.5 GWh**	52 Bids	19 Bids 6.38 GW 3.6 GWh	
Tender 2 – WEM Dispatchable	2 GWh (500 MW of 4hr equivalent)	22 Registrations ~ 3.5 GW ~19.6 GWh	16 Bids ~ 2.5 GW ~ 13.5 GWh	5 Bids	4 bids 654 MW 2,600 MWh	
Tender 3 – NEM Dispatchable	16 GWh (4GW of 4hr equivalent)	166 registrations ~ 44.5 GW ~ 176 GWh	124 bids ~ 34 GW ~ 135 GWh	Closed 1 May 2025	Sep 2025 (indicative)	
Tender 4 – NEM Generation	6 GW	106 registrations 35.7 GW	84 bids ~ 25.6 GW ~ 26.7 GWh**	Closed 5 June 2025	Oct 2025 (indicative)	
UPCOMING TENDERS	CAPACITY TARGETS	REGISTRATIONS*	BIDS SUB (ONE STAGE	SUCCESSFUL BIDS		
Tender 5 - WEM Generation	TBC	Opens August 2025 (indicative)				
Tender 6 - WEM Dispatchable	TBC	Opens August 2025 (indicative)				
Tender 7 - NEM Generation	TBC	Opens September 2025 (indicative)				
Tender 8 - NEM Dispatchable	TBC	Opens November 2025 (indicative)				

^{*} Registrations are different to Project Bids submitted. Not all proponents who register submit a bid.

^{**} Total of hybrid projects storage capacity

^{***} From July 2025, CIS tenders will transition from a two-stage process to a single-stage process, ducing the tender duration to approximately 6 months.

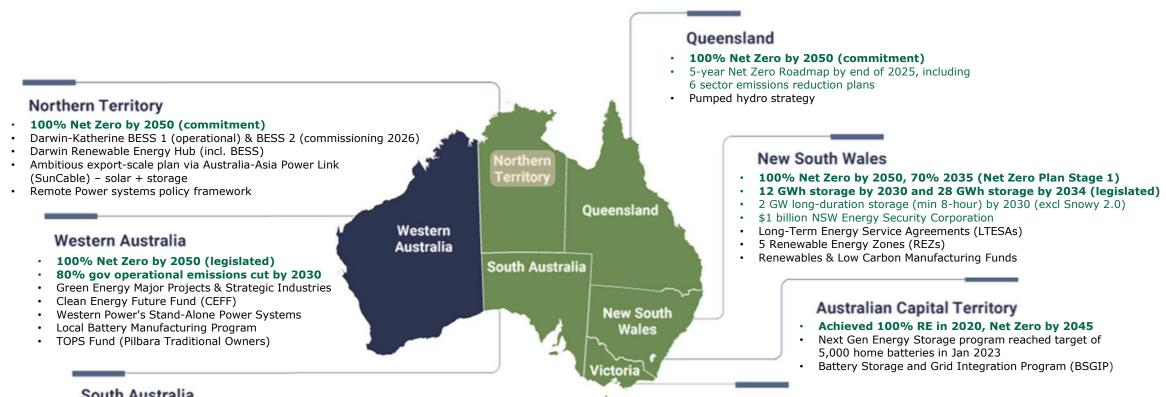
Importance of Long-duration storage increasing

Rapidly emerging as national priority for energy resilience

- NEM-wide review- currently underway. Will provide recommendations by end of year about market settings to promote investment in firmed, renewable generation and storage following conclusion of CIS
- New South Wales leads with a dedicated 8-hour LDES target of 2 GW by 2030 under its Electricity Infrastructure Roadmap.
- South Australia is preparing a long-duration storage tender (with at least 30 MW output and 8-hour duration), expected to launch in 2025. SA has identified a need for up to 2,400 MW of LDES by 2030.
- Victoria's has legislated energy storage targets of at least 2.6 GW by 2030 and 6.3 GW by 2035, supporting potential LDES deployment.
- Tasmania's Battery of Nation strategy focuses on pumped hydro and flexible capacity to supply firmed renewables.
- Western Australia's South West Interconnected System (SWIS) Demand Assessment 2023 includes scenarios with 10-hour LDES from 2030 to support grid resilience.



States & Territories - renewables and storage programs



South Australia

- · 100% Net Zero by 2050 (commitment) and 100% RET by 2027 (legislated)
- Double renewable energy capacity by 2040 (hydrogen and export expansion)
- Grid Scale Storage Fund
- South Australia's Virtual Power Plant (SA VPP)

Tasmania

- 100% NET Zero "or lower" by 2030 (legislated)
- 100% RET achieved 2020, 150% by 2030 and 200% by 2040 (legislated)
- Battery of the Nation Strategy
- Marinus Link Project

Victoria

- 100% Net Zero by 2045 (legislated)
- 65 % RET by 2030 and 95% by 2035 (legislated)
- 2.6 GW storage capacity by 2030 and 6.3 GW by 2035 (legislated)
- State Electricity Commission (SEC) targets 4.5 GW public renewables
- At least 2 GW of offshore wind generation by 2032 (legislated)
- Fully decarbonised road and transport sector by 2045
- Victorian Renewable Energy Target Auction (VRET2)
- Energy Innovation Fund (EIF)
- Renewable Energy Zone Fund





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Pottinger is a global boutique corporate advisory firm focussed on energy and infrastructure

Select transactions on which Pottinger has advised



Investor and operator of distributed energy storage projects

Advice on A\$300m capital partnership with Aware Super



Australia's largest utility scale BESS portfolio

Advice on capital partnerships and asset sales to global investors



Global metal mining and renewable energy company

Advice on various renewable energy investment opportunities



One of Australia's largest solar PV and storage pipelines

Advice on partnerships and M&A with Canadian Solar and Wirsol



Australian renewable energy arm of global investment fund

Advice on inbound investment into Australian BESS projects

Focus on three themes when considering investing in Australian energy storage projects



Stakeholders

Which stakeholders make up Australia's National Electricity Market?

Who will you need to navigate when investing in storage projects?



Structures

What are the common investment structures used for market entry?

Which one is best for your organisation?

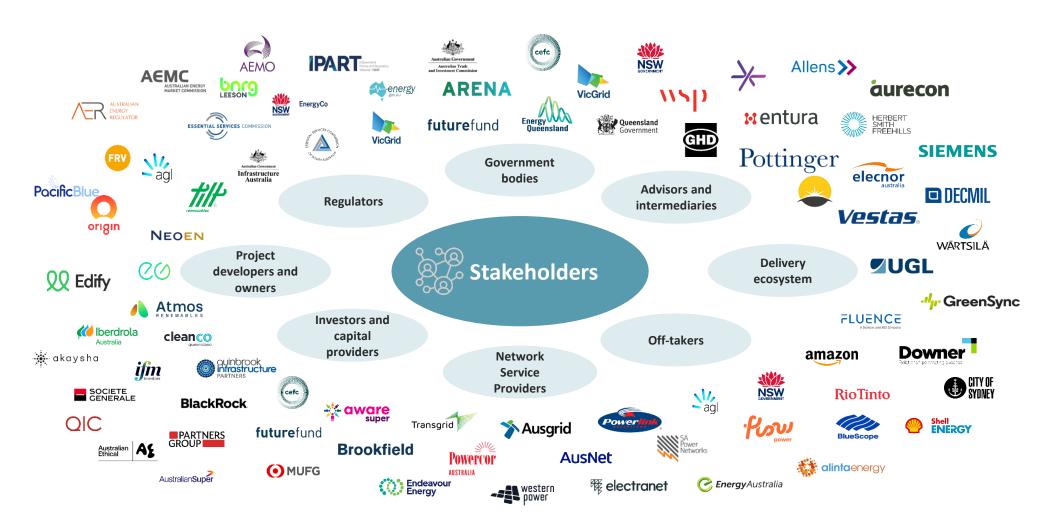


Systems

What are the regulatory, market and policy frameworks driving execution?

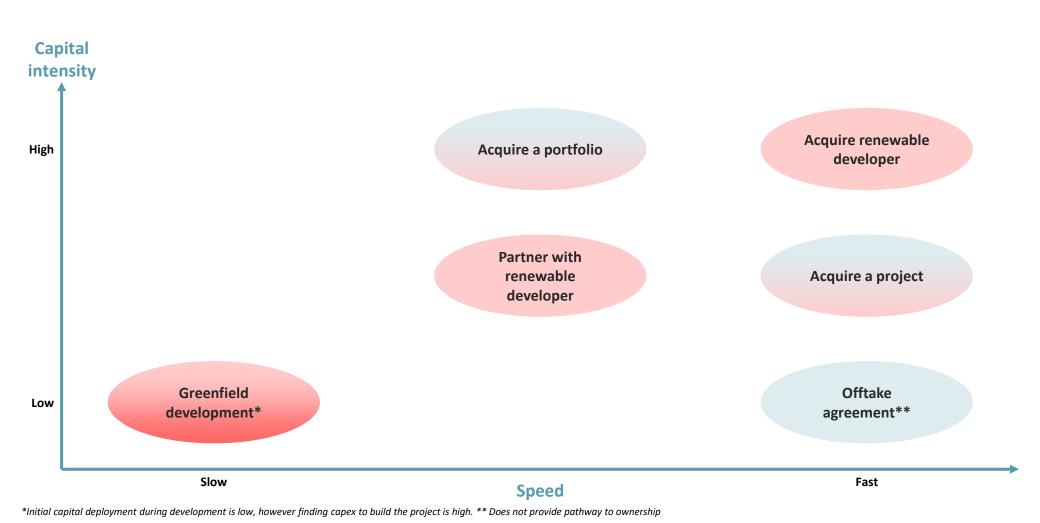
How can you give yourself the best chance of a successful investment?

Sophisticated **stakeholder** engagement is essential



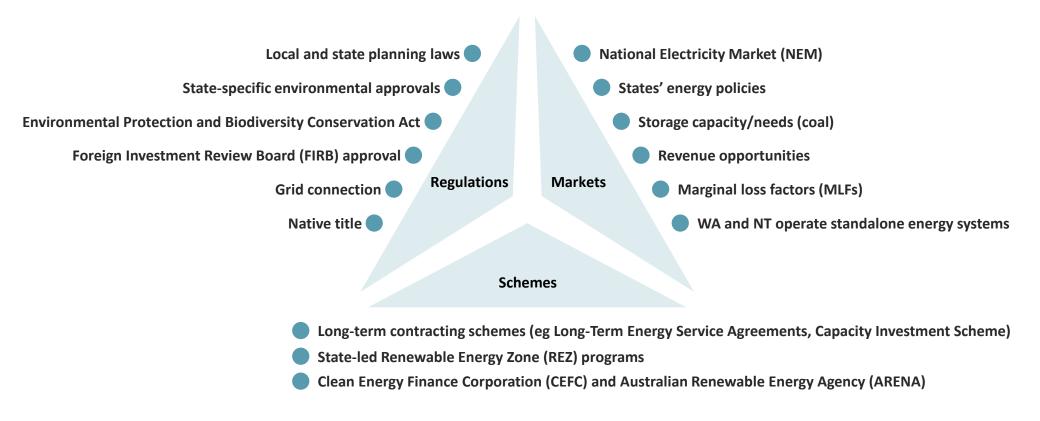


Many different investment structures are possible



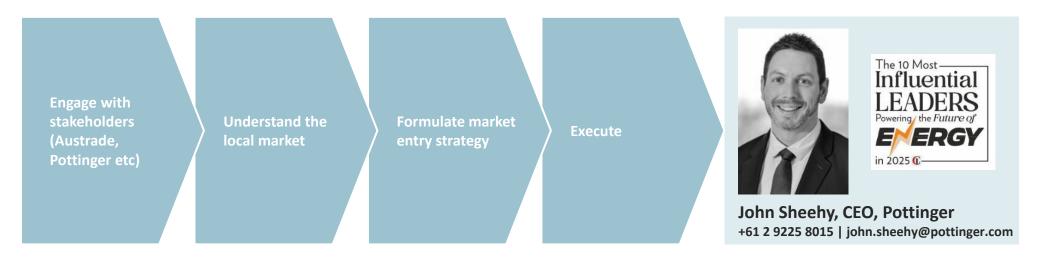


Successful execution in Australia requires navigating regulatory, market, and policy systems



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Translating strategy into execution requires the right partnerships, planning and positioning





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