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# 2023 Expressions of Interest summary report

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**3 April 2023**

A report for the Wholesale Electricity Market

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# Important notice

## PURPOSE

AEMO has prepared this document to provide information about the Western Australia Wholesale Electricity Market, as at the date of publication.

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## VERSION CONTROL

Version	Release date	Changes
1	03/04/2023	Initial release

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# 1. Background

Each year, the Australian Energy Market Operator (AEMO) requests expressions of interest (EOI) from existing and potential new Market Participants to provide Reserve Capacity<sup>1</sup>. The EOI indicates the amount of new Energy Producing Systems and Demand Side Management (DSM) capacity that may be offered into the South West Interconnected System (SWIS) for a Reserve Capacity Cycle<sup>2</sup>.

On 13 January 2023, AEMO requested EOIs for the 2023 Reserve Capacity Cycle, covering the 2025-26 Capacity Year<sup>3</sup>. EOI submissions closed on 1 March 2023. AEMO must publish an EOI summary by 3 April 2023 in accordance with the Wholesale Electricity Market Rules (WEM Rules).

This report provides a summary of EOIs submitted to AEMO for the 2025-26 Capacity Year under the requirements set out in clause 4.2.7 of the WEM Rules.

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<sup>1</sup> Reserve Capacity may be provided by generation or DSM Facilities.

<sup>2</sup> A Reserve Capacity Cycle is a cycle of events (covering a four-year period) described in clause 4.1 of the WEM Rules.

<sup>3</sup> A Capacity Year is defined in Chapter 11 (Glossary) of the WEM Rules as a period of 12 months commencing on the start of the Trading Day on 1 October and ending on the Trading Day ending on 1 October of the following calendar year.

## 2. Summary

AEMO received 137 EOIs for the 2025-26 Capacity Year. Under the requirements set out in clause 4.4.1 of the WEM Rules, 24 of these EOIs were deemed invalid. Among the remaining 113 valid EOIs, 41 were submitted as variant Facilities for the same Facility or upgrade, representing different possible configuration options, such as system sizes or connection points. AEMO selected the EOIs with the maximum amount of potential Reserve Capacity for each Facility or upgrade to estimate the additional Reserve Capacity potentially available, which is reported in this EOI summary report. As a result, the variant EOIs were considered duplicates and were not included in the estimate. The remaining 72 EOIs represent Energy Producing Systems and have been included in the report.

The total additional Reserve Capacity potentially available for the 2025-26 Capacity Year is estimated to be 1077.461 megawatts (MW)<sup>4</sup>. No EOIs were received from Demand Side Programmes (DSP) or Small Aggregations (see Table 1).

**Table 1 Summary of EOIs from Energy Producing Systems, the 2025-26 Capacity Year**

Facility Technology Type	Number of EOIs		Additional Reserve Capacity potentially available (MW)
	New	Upgrades	
Intermittent Generating Systems (IGS)	6	1	141.6
IGS + Electric Storage Resources (ESR)	4	1	104.1
Non-Intermittent Generating Systems (NIGS)	4	7	199.172
ESR	49	0	632.589
Total	63	9	1077.461

For the 2025-26 Capacity Year, 4,534 MW of capacity is expected to be in service, resulting in an estimated 21 MW shortfall of capacity<sup>5</sup>. The potential supply-demand balance for capacity for the 2025-26 Capacity Year is outlined in Table 2.

**Table 2 Preliminary supply-demand balance for the 2025-26 Capacity Year (MW)**

Total additional Reserve Capacity potentially available for the 2025-26 Capacity Year	1077.461
Estimate of the existing capacity eligible to be assigned Certified Reserve Capacity <sup>6</sup> for the 2025-26 Capacity Year	4,534
Preliminary Reserve Capacity Requirement <sup>7</sup> for the 2025-26 Capacity Year	4,554
Estimated excess capacity for the 2025-26 Capacity Year, excluding potential capacity provided by 2023 EOI submissions	-21

<sup>4</sup> Refer to Footnote 9 for details.

<sup>5</sup> The quantity of capacity expected to be in service for the 2025-26 Capacity Year does not include potential capacity from the EOIs received for the 2025-26 Capacity Year.

<sup>6</sup> Certified Reserve Capacity is a quantity of Reserve Capacity that AEMO has assigned to a Facility for a Reserve Capacity Cycle in accordance with the WEM Rules.

<sup>7</sup> The preliminary Reserve Capacity Requirement is AEMO's estimates of the total amount of generation or DSM capacity required in the SWIS to satisfy the Planning Criterion for a Capacity Year in accordance with the WEM Rules.

## 2.1 Categories of EOI submissions

The EOI submissions for the 2023 Reserve Capacity Cycle are summarised in Table 3.

**Table 3 Summary of EOI for the 2023 Reserve Capacity Cycle<sup>A</sup>**

	<b>Additional Reserve Capacity Totals included with Expressions of Interest (MW)<sup>8</sup></b>	<b>Additional Reserve Capacity potentially available for 2025-26 Capacity Year (MW)<sup>9</sup></b>
Committed Facilities (in place or under construction)	653.359	138.639
Facilities that are not yet committed	2202.212	938.822
<b>Total</b>	<b>2855.571</b>	<b>1077.461</b>
For Facilities that are not yet committed		
Facilities for which an Access Proposal has been made and all necessary Environmental Approvals granted	347.49	122.49
Facilities for which applications for both Access Proposals and Environmental Approvals have been made and one or both are being processed	405.64	367.25
Facilities for which no Access Proposal has been applied for or some or all Environmental Approvals have not been applied for	1449.082	449.082
<b>Total</b>	<b>2202.212</b>	<b>938.822</b>
Categorisation based on Facility technology types		
IGS	420.11	141.6
IGS + ESR	104.1	104.1
NIGS	698.772	199.172
ESR	1632.589	632.589
DSP	0	0
Small Aggregation	0	0
<b>Total</b>	<b>2855.571</b>	<b>1077.461</b>
Categorisation by number of proposed technologies		
1 technology	2751.471	973.361
2 technologies	104.100	104.100
<b>Total</b>	<b>2855.571</b>	<b>1077.461</b>
Categorisation based on primary fuel type <sup>B</sup>		
Liquid	203.772	142.172
Non-liquid	495	57.000
Renewable Energy		117.400
<b>Total</b>	<b>698.772</b>	<b>316.572</b>

<sup>8</sup> Additional Reserve Capacity Totals included with Expressions of Interest (MW) are the total amounts of additional Reserve Capacity submitted by EOI applicants.

<sup>9</sup> Additional Reserve Capacity potentially available for 2025-26 Capacity Year (MW) is the maximum potential amount of Reserve Capacity determined to be available following adjustments to the additional Reserve Capacity totals submitted by applicants. Adjustments made account for EOI duplications and the removal of existing Reserve Capacity where it had been included as additional Reserve Capacity.

	<b>Additional Reserve Capacity Totals included with Expressions of Interest (MW)<sup>8</sup></b>	<b>Additional Reserve Capacity potentially available for 2025-26 Capacity Year (MW)<sup>9</sup></b>
Categorisation based on backup/alternative fuel option		
Non-liquid	183.782	122.182
None or not applicable	2671.789	955.279
<b>Total</b>	<b>2855.571</b>	<b>1077.461</b>

A. The figures have been adjusted from the nameplate capacity figures provided by the project proponents to account for an estimate of the Relevant Level for IGS.

B. The figures only include Facilities that responded to this question in the EOI.

AEMO notes that most of the 'Additional Reserve Capacity potentially available for 2025-26 Capacity Year' presented in this EOI summary report remains subject to financial approvals, executed Electricity Transfer Access Contracts and Interconnection Works Contracts, and Network Access Quantity assessments, as well as various other regulatory approvals. Therefore, the potential additional Reserve Capacity presented above will not necessarily convert to approved additional Reserve Capacity for the 2025-26 Capacity Year.