2021 WEM ESOO Survey Response

Presented to WA Electricity Consultative Forum

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2021 WEM ESOO Survey Purpose

- AEMO undertook a survey in January to solicit feedback from electricity stakeholders to shape the 2022 WEM ESOO and future ESOO reports.
- The survey aimed to:
  - Provide an additional channel for AEMO to consult with stakeholders on improvements to the WEM ESOO.
  - Identify specific sections in the report that stakeholders find most relevant and useful.
  - Gather suggestions on how to improve the report's content and format, noting that it may not be practical to implement all suggestions.
  - Identify non-mandatory content that may be valued less than the effort required to develop it.

Feedback implemented from prior survey

2020 WEM ESOO Survey Feedback	Addressed in 2021 WEM ESOO
Improve transparency and detail on forecasting assumptions.	Comments from the Jan 2022 survey indicate this has improved substantially in the 2021 WEM ESOO and assumptions are more useful.
Detail on WEM Reform changes including constrained access.	Market developments and challenges chapter included overview of WEM Reform details, overview of Network Access Quantities and links to further information.
Review of trends impacting peak demand.	Discussion included assessing impacts of Covid, PV-uptake, and Distributed Energy Resources. Industry Trends section covered utility-scale batteries, virtual energy storage services, and hydrogen.

A good mix of respondent profiles

- 15 stakeholders responded to the survey
  - *Note: AEMO receives feedback throughout the year informally and formally via other channels like WAECF and FRG sessions.*
- 69% of the respondents have been reading the WEM ESOO for over 4 years

n=15

The WEM ESOO is useful

Area	Tally of 13 Respondents
Investment decisions	4
Market understanding	11
Operations planning	5
Personal interest	5
Other	1

Usefulness To Organisation

Note: Percentages were calculated based on 15 respondents

Summary of comments

Positive feedback:	Suggestions/Improvement areas
• Report is useful as it provides assumptions used to forecasts of operational consumption and peak demand. • Large Industrial Loads forecast methodology has significantly improved in the 2021 ESOO compared to the 2020 ESOO.	• Adopt less conservative peak demand forecast. • Be less prescriptive in Large Industrial Load (LIL) forecasting methodology, especially with the surge of hydrogen electrolyser projects. • Provide estimates of lost or curtailed energy. • Provide per annum average carbon intensity of generation. • Detail the method to work out allocated Capacity Credit for windfarms. • Assess the future of ancillary services and effect of hydrogen demand on network. • Discuss impact of DER and economies on peak demand & models.

Stakeholder consultation:

- Majority feels that AEMO's consultation with stakeholders through the WA Electricity Consultative Forum and the Forecasting Reference group is somewhat useful.
- 3 respondents have expressed their interest in continuing conversations on the WEM ESOO with AEMO.

General preference summary

Chapter Preference

Visualisation Preference

Majority support the current visualisations used

AEMO strives for continuous improvement and values stakeholder feedback

For further engagement on the 2022 WEM ESOO, please reach out to the Reserve Capacity team at wa.capacity@aemo.com.au

Questions and Feedback

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