
Standing information request for 2022

January 2022

Information request to registered participants in
accordance with NER clause 3.13.3A(d)

Important notice

PURPOSE

AEMO publishes the National Electricity Market Electricity Statement of Opportunities (ESOO) under clause 3.13.3A of the National Electricity Rules (NER). To facilitate the accuracy of the ESOO, including the Reliability Forecast produced to meet the requirements NER 4A.B.4(b), and for the benefit of stakeholders overall, AEMO requests information from Registered Participants in accordance with NER clause 3.13.3A(d). This document outlines the information requested in 2022 and when this data should be submitted to AEMO.

DISCLAIMER

This document or the information in it may be subsequently updated or amended. This document does not constitute legal or business advice, and should not be relied on as a substitute for obtaining detailed advice about the National Electricity Law, the National Electricity Rules, or any other applicable laws, procedures or policies. AEMO has made every reasonable effort to ensure the quality of the information in this document but cannot guarantee its accuracy or completeness.

VERSION CONTROL

Version	Release date	Changes
1	31/01/2022	Initial release

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1. Background

1.1 Purpose

To facilitate the accuracy of the Electricity Statement of Opportunities (ESOO), including the reliability forecast requirements under the National Electricity Rules (NER), AEMO requests information from Registered Participants in accordance with NER clause 3.13.3A. Information required to support the ESOO is requested and collected through a number of processes, including generation surveys and key connection information¹, the demand side participation information portal², this Standing Information Request and potential ad-hoc information requests.

This 2022 Standing Information Request asks for the same information from Network Service Providers (NSPs) and registered Generators as the 2021 Standing Information Request.

Last year, AEMO did ask Distribution Network Service Providers (DNSPs) for additional information to address emerging information needs, to be provided on a voluntary basis, that is without the compliance requirements listed below. In 2022, such information is sought from Transmission Network Service Providers (TNSPs) as well. For transparency, the voluntary information requested is listed in this document.

1.2 Compliance requirement

The standing information in this document is requested in accordance with NER clause 3.13.3A(d) and the section 3.3.2 of the Reliability Forecast Guidelines.³

Under NER clause 3.13.3A(e), a Registered Participant must comply with an information request in accordance with section 3.3.3 of the Reliability Forecast Guidelines. This includes responding within the relevant time specified in this request, identifying any confidential information, and taking steps to ensure the information complies with NER clause 3.13.3A(g), namely that it is:

- (1) not false or misleading in a material particular;
- (2) in relation to information of a technical nature, is prepared in accordance with good electricity industry practice; and
- (3) represents the Registered Participant's current intentions and best estimates.

1.3 Structure of this document

In this document:

- Section 2 presents the 2022 standing information sought from registered NSPs.
- Section 3 presents the 2022 standing information sought from registered Generators.
- Section 4 presents emerging information needs, where AEMO in 2022 is seeking voluntary responses from registered NSPs.

¹ In accordance with the Generation Information Guidelines available at: <https://www.aemo.com.au/energy-systems/electricity/national-electricity-market-nem/nem-forecasting-and-planning/forecasting-and-planning-data/generation-information>.

² In accordance with the Demand Side Participation Information Guidelines available at: <https://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Planning-and-forecasting/Demand-Side-Participation-Information-Guidelines>.

³ Available at: https://aemo.com.au/-/media/files/electricity/nem/planning_and_forecasting/nem_esoo/2021/reliability-forecast-guidelines.pdf.

2. Information request for registered NSPs

The following outlines the information requested under NER clause 3.13.3A(d) from registered network service providers (NSP).

2.1 Large transmission/distribution connected load information

2.1.1 Information requested

AEMO will send all NSPs a list of its current information about their large customers. AEMO requests that each NSP:

- Validates AEMO's list of existing large customers (>5 MW potential peak⁴)
- Informs AEMO of committed changes (new loads or closures) to this list
- Informs AEMO of possible changes (new loads or closures)

Note that for Jurisdictional Planning Bodies, the information is requested under NER clause 3.13.3A(c).

2.1.2 Timeline for providing this information to AEMO

AEMO will provide the NSPs with its current list by 31 January 2022 and requests the information above by 28 February 2022.

2.1.3 Reason for the request

This information is requested to improve the quality of AEMO's large industrial load forecast, in particular by acting as a key source of information for ensuring that AEMO includes all known changes to large customer loads.

⁴ This will include large loads like desalination plants that may not operate all years, but has the potential to exceed this level when operating.

3. Information request for registered Generators

The following outlines the information requested under NER clause 3.13.3A(d) from registered scheduled and/or semi-scheduled generators as specified below.

The main reason for this request is for AEMO to collect and use information about generating unit auxiliary loads and outage rates and publish information about these in accordance with NER 3.13.3A(a)(8).

3.1 Forced outage information

3.1.1 Information requested

AEMO requests the same historical forced outage information as was requested in 2021, that is for scheduled generators to provide the timing and classification of outages at each scheduled unit over the previous 12 months.

As per the 2021 ESOO, AEMO will be including forward-looking projections of generator performance in the 2022 ESOO. For coal-fired generators and some gas-fired generators, participants will again be requested to provide forward-looking outage projections over the next 10 years, alongside a justification or evidence for these projections where they vary from historical parameters. Participants required to submit forward-looking projections will be contacted separately.

AEMO will be providing a template for this submission.

After receiving this information, AEMO will update its calculations of forced outage parameters and provide this information back to each generator participant to provide an opportunity to propose amendments to the calculated and projected outage parameters.

3.1.2 Timeline for providing this information to AEMO

AEMO requests that scheduled generators provide the requested information, including forward looking projections (where required), by 15 April 2022.

3.1.3 Reason for the request

Forced outage information is requested in order to provide the data required to assess plant specific reliability. Forward-looking projections requested for nominated generators are required to allow AEMO to assess the potential changes to forward-looking plant reliability, where there is reason to believe it could differ from recent historically observed reliability.

3.2 Generating unit auxiliary load

3.2.1 Information requested

AEMO is requesting all existing and committed scheduled generators to provide an expected auxiliary load (as a percentage of generation). This value should reflect expected auxiliary load when a generator is at maximum output.

3.2.2 Timeline for providing this information to AEMO

The information is to be provided through AEMO's generator survey process⁵, and must be submitted before 1 April 2022 to feed into AEMO's April Generation Information Page update.

3.2.3 Reason for the request

Auxiliary load percentage is used in AEMO's PLEXOS market modelling process to simulate auxiliary load at any point in time across the forecast horizon, and therefore determine the volume of generation available to be "sent-out" to the grid.

This is also used to convert AEMO's demand forecasts that are prepared on "sent-out" demand to "as-generated" demand (the definitions used in the one-in-two year peak demand forecast AEMO must provide under the RRO).

⁵ For more information, see 3.1(d) in the Generation Information Guidelines available at: https://www.aemo.com.au/-/media/files/electricity/nem/planning_and_forecasting/generation_information/final-generation-information-guidelines.pdf.

4. Information requested on a voluntary basis

The following represents emerging needs which are not listed as mandatory data requirements as:

- Data may not yet be collected and the feasibility and cost of collecting it is uncertain, or
- It is unclear if alternative data sources are available that can be used instead.

AEMO is asking for this information to be provided on a best-endeavours basis, or alternatively—if data is not available—with commentary about the feasibility about providing this information in the future or pointers to alternative data sources, which can address the data need listed.

4.1 Emerging information needs from TNSPs

4.1.1 Information on forced outages affecting inter-regional power transfer

Information requested

AEMO requests historical records for all single credible contingency events that have disrupted transmission availability on a number of transmission circuits that materially contribute to inter-regional power transfer. AEMO will specify the circuits of interest when making the request of each TNSP. Historical records are requested for the period 1 July 2010 to 31 December 2021.

Network operators are requested to include all single credible contingency events that have disrupted transmission availability, regardless of cause. Submissions should include commentary on the cause, where relevant.

In addition to the provision of historical data, network operators are requested to provide forward-looking outage projections over the next 10 years, alongside a justification or evidence for these projections where they vary from historical parameters.

After receiving this information, AEMO will update its calculations of transmission forced outage parameters and provide this information back to each network operator, who will then be provided the opportunity to propose amendments to the calculated and projected outage parameters.

Timeline for providing this information to AEMO

AEMO will provide the relevant TNSPs with its template specifying the transmission circuits of interest by 31 January 2022 and requests the information above by 28 February 2022.

Reason for the request

Forced outage information is requested in order to assess specific flow path reliability. Forward-looking projections requested are required to allow AEMO to assess the potential changes to forward-looking line reliability, where there is reason to believe it could differ from recent historically observed reliability. This approach, while new for Network Operators, will standardise the collection and development of outage rates between generation and transmission assets in AEMO's reliability assessments.

4.2 Emerging information needs from DNSPs

AEMO is seeking the following information from DNSPs:

4.2.1 Residential/business consumption split

Information requested

AEMO is asking DNSPs to provide AEMO with an estimate of delivered energy to residential customers (in GWh) and business customers (in GWh) for the 2020-21 financial year.

Timeline for providing this information to AEMO

AEMO is seeking this information by 28 February 2022.

Reason for the request

AEMO forecasts consumption separately for residential and business load. AEMO currently relies on the published consumption split from the AER for validation of these forecasts' starting point. Unfortunately, the AER reporting is 18 months old when published. It would improve the quality of AEMO's forecasts if more recent data could be made available.

4.2.2 Electric Vehicle consumption and charge profiles

Information requested

AEMO is aware that some DNSPs are allowing electric vehicle (EV) owners to register their ownership with them. To help AEMO improve the forecasts of EV uptake and charging behaviours, AEMO is seeking detailed information and data on EV's where available. The data request is aligned with the priority 1 recommendations for individual devices from the Distributed Energy Integration Program (DEIP) EV Data Availability Taskforce⁶. Requested data is outlined below:

- A list of known NMIs of residential/commercial customers with an EV and, if available, when the EV was purchased.
- A list of known NMIs for EV fast charging stations (current or under construction). This should be limited to charging stations that are individually metered, rather than embedded for example under a larger load (such as a shopping centre or airport).
- For the sites provided in the two bullet points above, if available, any of the following data:
 - The kW rating of the EV charger(s) associated with each NMI
 - The import/export capacity (and associated limits imposed on each EV charger).
 - The total number of EV chargers associated with each EV charging station.

Timeline for providing this information to AEMO

AEMO is seeking this information by 28 February 2022.

Reason for the request

This information will allow validation of the charging profiles provided by AEMO's consultant (currently based on assumptions and overseas data) for both residential and fast/highway charging on real Australian-specific observations.

⁶ See [deip-ev-data-availability-taskforce-report.pdf \(aemo.com.au\)](#)