

Wholesale Electricity Market Amendment (Miscellaneous Amendments No 3) Rules 2024

Commencement

- The amending rules set out in Schedule 1 come into operation at 8:00 AM (WST) on 7 October 2024.
- The amending rules set out in Schedule 2 come into operation at 8:00 AM (WST) on 7 October 2024.
- The amending rules set out in Schedule 3 come into operation at 8:00 AM (WST) on 1 January 2025.
- The amending rules set out in Schedule 4 come into operation at a time specified by the Minister in a notice published in the Gazette. Different days may be specified for different provisions.

Where there are market rules made by the Minister for Energy in accordance with regulation 7(5) of the Electricity Industry (Wholesale Electricity Market) Regulations 2004 prior to the date this Instrument is made which are specified to come into operation on the same day as the amending rules set out in this Instrument, the amending rules set out in this Instrument come into operation immediately after the commencement of those market rules.

Schedule 1

1. Section 1.63 amended

1.1 Insert the following new clause 1.63.4A:

1.63.4A. Notwithstanding any other provision of these WEM Rules, for each Electric Storage Resource assigned Capacity Credits for the 2021 Reserve Capacity Cycle, for each Trading Day in the Capacity Year commencing on 1 October 2023, the Peak Electric Storage Resource Obligation Duration is the eight contiguous Trading Intervals commencing at 4:30 PM on the Trading Day.

2. Section 2.4A amended

- 2.1 Delete the words 'This section 2.4A applies from 21 September 2019 until 1 July 2021, being the date on which the Minister's power to make Amending Rules under regulation 7(5) of the WEM Regulations ends.' in clause 2.4A.1 and replace them with '[Blank]'.
3. **Section 2.9 amended**
- 3.1 Delete the word '[Blank]' clause 2.9.6 and replace it with the words 'If an Amending Rule which has not yet commenced requires the development, amendment or replacement of a WEM Procedure, then AEMO, the Economic Regulation Authority, the Coordinator, or a Network Operator (as applicable) may initiate the Procedure Change Process under section 2.10 as if that Amending Rule was in force, but must not complete the Procedure Change Process by publishing a Procedure Change Report until the relevant Amending Rule has commenced.'
4. **Section 2.10 amended**
- 4.1 Insert the words ', AEMO, the Economic Regulation Authority or the Network Operator, as applicable' at the end of Clause 2.10.13(dA) after the word 'Coordinator'.
5. **Section 2.16 amended**
- 5.1 Insert the following new clause 2.16.3A:
- 2.16.3A. If, in the performance of its functions under these WEM Rules, AEMO identifies an issue which has, or is likely to have, an adverse effect on the operation of the Wholesale Electricity Market or achievement of the Wholesale Market Objectives, AEMO must notify the Coordinator and the Economic Regulation Authority as soon as practicable after it becomes aware of the issue.
- 5.2 Insert the following new clause 2.16.3B:
- 2.16.3B. The Coordinator or the Economic Regulation Authority may request further information from AEMO, including documents, data or analysis, regarding an issue notified under clause 2.16.3A, and must specify the date and time by which the information must be provided.
- 5.3 Insert the following new clause 2.16.3C:
- 2.16.3C. Before making a request under clause 2.16.3B, the Coordinator or the Economic Regulation Authority, as applicable, must consult with AEMO and, taking into account the practicality and cost of the request, agree:
- (a) the scope of the request; and
 - (b) the date and time by which the information must be provided.
- 5.4 Insert the following new clause 2.16.3D:
- 2.16.3D. AEMO must comply with a request made under clause 2.16.3B before the date and time specified in the request.

- 5.5 Insert the following new clause 2.16.3E:
- 2.16.3E. If AEMO provides information to the Coordinator or the Economic Regulation Authority under clauses 2.16.3A or 2.16A.3D, AEMO must identify what, if any, of the information provided is Confidential Information.
6. **Section 2.27 amended**
- 6.1 Delete 'connection point' and replace it with 'Measurement Point' in clause 2.27.1(a).
- 6.2 Insert the following new clause 2.27.1A:
- 2.27.1A. If a Facility is electrically connected behind two or more Measurement Points, the Network Operator must determine a single Loss Factor applicable to the Facility under clause 2.27.1.
- 6.3 Delete 'connection point' and replace it with 'Measurement Point' in clause 2.27.2.
- 6.4 Delete the words 'Subject to clause 2.27.5(d)' and replace them with the words 'Subject to clauses 2.27.1A and 2.27.5(d)' in clause 2.27.4.
- 6.5 Delete the words 'connection points in the Network Operator's Network' and replace them with the words 'Measurement Points' in clause 2.27.4.
- 6.6 Replace both references to 'connection point' with 'Measurement Point' in clause 2.27.4(a).
- 6.7 Replace 'connection point' with 'Measurement Point' in clause 2.27.4(b).
- 6.8 Replace 'connection points' with 'Measurement Points' in clause 2.27.4(c).
- 6.9 Replace both references to 'connection point' with 'Measurement Point' in clause 2.27.5(a).
- 6.10 Replace 'connection point' with 'Measurement Point' in clause 2.27.5(b).
- 6.11 Replace 'connection point' with 'Measurement Point' in clause 2.27.5(f).
- 6.12 Replace 'connection points' with 'Measurement Points' in clause 2.27.6.
- 6.13 Replace 'connection point' with 'Measurement Point' in clause 2.27.10(b).
- 6.14 Replace 'connection point' with 'Measurement Point' in clause 2.27.12.
- 6.15 Replace both references to 'connection point' with 'Measurement Point' in clause 2.27.13.
- 6.16 Replace all three references to 'connection point' with 'Measurement Point' in clause 2.27.14.
- 6.17 Replace both references to 'connection point' with 'Measurement Point' in clause 2.27.15(f).
- 6.18 Replace 'connection point' with 'Measurement Point' in clause 2.27.15(g).
- 6.19 Replace 'Connection Point' with 'Measurement Point' in clause 2.27.15(h)(ii).
7. **Section 2.27B amended**
- 7.1 Insert the following new clause 2.27B.6(b)(iA):

iA. new Constrained Access Loads;

8. Section 2.28 amended

8.1 In clause 2.28.3 delete the words ' both the following are satisfied'.

8.2 Delete clauses 2.28.3(a) and 2.28.3(b) and replace them with:

(a) Separate Facilities are connected to the relevant transmission system or distribution system; or

(b) both of the following are satisfied:

i. AEMO has determined that it does not require information about the relevant network to ensure Power System Security and Power System Reliability are maintained; and

ii. no Registered Facilities owned or operated by a Market Participant are directly connected to the transmission system or distribution system.

8.3 Delete the word ' and' at the end of clause 2.28.3A(e)(ii).

8.4 Delete the full stop at the end of clause 2.28.3A(e)(iii) and replace it with the words '; and'.

8.5 Insert the following new clause 2.28.3A(e)(iv):

iv. data relating to Constrained Access Loads and the conditions in which the Withdrawal of each Constrained Access Load may be constrained.

9. Section 2.29 amended

9.1 Replace 'network connection point' with 'Measurement Point' in clause 2.29.1B(c).

9.2 Replace 'shared network connection points' with 'Measurement Points' in clause 2.29.1B(c).

9.3 In clause 2.29.4N(b) delete the words ' assessment criteria for AEMO to ensure that granting an exemption from the requirement to register does not adversely affect Power System Security or Power System Reliability;' and replace them with a colon.

9.4 Insert the following new clauses 2.29.4N(b)(i) and (ii):

i. assessment criteria for AEMO to ensure that granting an exemption from the requirement to register does not adversely affect Power System Security or Power System Reliability; and

ii. the criteria AEMO will use to determine whether a Facility comprising a Load and another Facility Technology Type with a System Size greater than or equal to 10 MW would be required to be registered as a Semi-Scheduled Facility or Scheduled Facility or be allowed to be a Non-Dispatchable Load associated with a Demand Side Programme;

9.5 Delete the word ' and' from the end of clause 2.29.4N(c).

- 9.6 Delete the full stop at the end of clause 2.29.5E(g) and replace it with the words ‘; or’.
- 9.7 Insert the following new clause 2.29.5E(h):
- (h) the application relates to a Non-Dispatchable Load behind a Connection Point, and:
- i. there are Separate Facilities behind the Connection Point; and
- ii. the registered Market Participant for the Separate Facilities differs from the Market Participant submitting the application.
10. **Section 2.30 amended**
- 10.1 Delete the word 'If' and replace it with the words 'Unless the Facilities are Separate Facilities, if' in clause 2.30.5A.
- 10.2 Delete the words 'connection points, such that one or more of those Facilities could Inject into or Withdraw from the Network at more than one of the network connection points' and replace them with 'Measurement Points' in clause 2.30.5B.
- 10.3 Delete the words 'Subject to clause 2.30.5D' and replace them with 'Unless the Facilities are Separate Facilities' at the beginning of clause 2.30.5C.
- 10.4 Delete both references to 'network connection point' and replace it with 'Connection Point' in clause 2.30.5C.
11. **Section 2.30B amended**
- 11.1 Delete the words 'shared network connection points' and replace it with 'Measurement Points' in clause 2.30B.2(a)(ii).
12. **Section 2.31 amended**
- 12.1 Insert the following new clause 2.31.1A:
- 2.31.1A. AEMO must not approve a Facility transfer application if approval of the application would result in Separate Facilities behind the same Connection Point being registered to more than one Market Participant.
- 12.2 Insert the following new clause 2.31.2A:
- 2.31.2A. AEMO must maintain a form on the WEM Website for applications under clause 2.31.2C.
- 12.3 Insert the following new clause 2.31.2B:
- 2.31.2B. Subject to clause 2.31.2D, a person may submit an application for Separate Facilities and the application must be submitted prior to submitting a Facility registration form referred to in clause 2.31.1(c).
- 12.4 Insert the following new clause 2.31.2C:

2.31.2C. An application under clause 2.31.2B must be made for each proposed Separate Facility behind a Connection Point.

12.5 Insert the following new clause 2.31.2D:

2.31.2D. A Market Participant may only submit an application under clause 2.31.2B, and such an application will only be valid, if the Market Participant does not submit an application for changes to the System Size or Facility Technology Type of any existing Registered Facility, located behind the same Connection Point, before the registration application for Separate Facilities is determined by AEMO.

12.6 Insert the following new clause 2.31.2E:

2.31.2E. AEMO must notify an applicant of the receipt of an application under clause 2.31.2B within one Business Day of receiving the application.

12.7 Insert the following new clause 2.31.2F:

2.31.2F. AEMO must determine whether to approve or reject an application submitted under clause 2.31.2B, and notify the applicant of its decision:

- (a) within 20 Business Days of receiving the application under clause 2.31.2B; or
- (b) if further information is requested under clause 2.31.2G, within 20 Business Days of receiving the further information in full.

12.8 Insert the following new clause 2.31.2G:

2.31.2G. AEMO may, at its discretion, request further information from the applicant in respect of the application.

12.9 Insert the following new clause 2.31.2H:

2.31.2H. If AEMO requests information from an applicant under clause 2.31.2G and the applicant does not provide the information to AEMO within 20 Business Days of the date of AEMO's request, AEMO must deem the application to have been withdrawn.

12.10 Insert the following new clause 2.31.2I:

2.31.2I. As part of determining an application made under clause 2.31.2B, AEMO must confirm the location of the intended Measurement Point and Connection Point with the Network Operator, and may, at its discretion, request further information from a Network Operator in respect of the location of the intended Measurement Point and Connection Point, and the time by which the information must be provided, which must be reasonable.

12.11 Insert the following new clause 2.31.2J:

2.31.2J. The Network Operator must comply with a request made under clause 2.31.2I by the time specified by AEMO.

12.12 Insert the following new clause 2.31.2K:

2.31.2K. AEMO must not approve an application made under clause 2.31.2B unless it is satisfied that:

- (a) the Connection Point and the Measurement Point for the Facility will not be at the same location;
- (b) there is, or will be, more than one Facility behind the Connection Point;
- (c) all Registered Facilities behind the Connection Point will be registered to the same Market Participant;
- (d) each Facility behind the Connection Point has, or will have, a separate Measurement Point;
- (e) the relevant Network Operator has confirmed the location of the Connection Point and Measurement Point for the Facility;
- (f) approving the application would not adversely impact AEMO's ability to maintain Power System Security and Power System Reliability;
- (g) the Facility will not be electrically connected to any other Facility behind the Measurement Point; and
- (h) the Facility will not be capable of Injection or Withdrawal at more than one of the Measurement Points behind the Connection Point.

12.13 Insert the following new clause 2.31.2L:

2.31.2L. If AEMO approves an application made under clause 2.31.2B, the Network Operator must install a revenue quality interval meter that complies with the Electricity Industry (Metering) Code 2012 at the Measurement Point confirmed under clause 2.31.2I.

12.14 Insert the following new clause 2.31.2M:

2.31.2M. A Market Participant responsible for a Separate Facility is responsible for all network equipment behind the Connection Point.

12.15 Insert the following new clause 2.31.2N:

2.31.2N. A Market Participant responsible for a Separate Facility must, at all times:

- (a) respect the thermal limits of network equipment behind the Connection Point;
- (b) ensure accurate SCADA system data is made available and provided to AEMO via the Network Operator;
- (c) meet all relevant SCADA system data requirements; and
- (d) ensure Outages related to the Separate Facilities include Outages of the network equipment located behind the Connection Point.

12.16 Insert the following new clause 2.31.2O:

2.31.2O. For the purpose of these WEM Rules, for a Separate Facility:

- (a) the Connection Point is not a Measurement Point for the purposes of Chapter 8 and Chapter 9 of the WEM Rules; and
- (b) the approval of the application made under clause 2.31.2B does not substitute the Measurement Point for the connection point or otherwise redefine references to the connection point in the WEM Rules, including Chapter 3A and Appendix 12 of these WEM Rules unless otherwise specifically stated.

12.17 Insert the following new clause 2.31.2P:

2.31.2P. For the avoidance of doubt:

- (a) subject to the requirements of clause 2.31.2K, there is no limit to the number of Separate Facilities that may exist behind a Connection Point;
- (b) the Separate Facilities can be located behind more than one shared Connection Points;
- (c) a Registered Facility that intends to become a Separate Facility may retain its existing registration and is not required to de-register the Facility, but is required to submit registration applications in relation to any new Facilities behind the Connection Point; and
- (d) Separate Facilities behind a Connection Point may be of the same or different Facility Technology Types.

12.18 Insert ' described in clause 2.31.1' between the words 'application' and 'if' in the first line of clause 2.31.13.

12.19 Insert ' the' after '2.30C.1,' in clause 2.31.13(b).

12.20 Insert the words ' the WEM Procedure referred to in' after the word 'with' in clause 2.31.13(j)(ii).

12.21 Delete ' or' in clause 2.31.13(j)(ii).

12.22 Insert ' or' after 'Class;' at the end of clause 2.31.13(j)(iii).

12.23 Insert the following new clause 2.31.13(j)(iv):

- iv. AEMO considers that the Connection Point and the Measurement Point of the Facility are not intended to be at the same location, and the applicant has not made an application under clause 2.31.2B, or an application made under clause 2.31.2B was rejected by AEMO;

12.24 Delete clause 2.31.13(k) and replace it with the following new clause 2.31.13(k):

- (k) in the case of an application to transfer a Facility:

- i. the transfer of the Facility would result in the number of Capacity Credits allocated for a Trading Day by the Market Participant transferring the Facility exceeding the number of Capacity Credits held for that Trading Day for the Facility by the Market Participant that are able to be traded bilaterally under the WEM Rules; or
- ii. clause 2.31A.1 applies;

13. Section 2.32 amended

- 13.1 Insert the words ' under section 9.19 or' after 'Suspension Notice' in clause 2.32.2.
- 13.2 Delete ' that a Rule Participant be suspended' after '2.32.1' in clause 2.32.2.
- 13.3 Delete ' publish a notice on the WEM Website and' after 'AEMO must' in clause 2.32.2.
- 13.4 Delete 'suspension event' and replace it with 'Suspension Event' in clause 2.32.5(a).
- 13.5 Delete 'where' and replace it with 'if' in clause 2.32.7BA(a).
- 13.6 Insert ' been' between the words 'have' and 'given' in clause 2.32.7BA(a).
- 13.7 Delete 'clause 2.32.1' and replace it with 'clause 2.32.3' in clause 2.32.7BA(a).
- 13.8 Delete 'where' and replace it with 'if' in clause 2.32.7BA(b).
- 13.9 Delete 'intends' and replace it with 'is required' in clause 2.32.7BA(b).
- 13.10 Delete 'wound up or dissolved' and replace it with 'deregistered' in clause 2.32.7BB.
- 13.11 Delete ' publish a notice on the WEM Website and' in clause 2.32.7BB(e).

14. Section 2.34 amended

- 14.1 Delete clause 2.34.11 and replace it with the following new clause 2.34.11:

2.34.11. AEMO must:

- (a) use reasonable endeavours to verify that the Standing Data required by the WEM Rules to be provided by a Rule Participant to AEMO is accurate and remains accurate; and
- (b) require that a Rule Participant provide updated Standing Data for a Facility, if AEMO considers the information provided by the Rule Participant to be inaccurate or no longer accurate.

15. Section 2.34A amended

- 15.1 Delete 'may' and replace it with 'must' in clause 2.34A.11.

16. Section 3.8 amended

- 16.1 Insert the word ' Significant' after 'Investigating' in the heading of section 3.8.
- 16.2 Insert ', including incidents' after 'any incidents' in clause 3.8.1.

- 16.3 Insert a comma after the word 'SWIS' in clause 3.8.1.
- 16.4 Delete 's' from 'endangers' and delete ' or' after 'extent;' in clause 3.8.1(a).
- 16.5 Replace 'causes' with the word 'cause' in clause 3.8.1(b).
- 16.6 Delete the word ' and' at the end of clause 3.8.1(b).
- 16.7 Delete the full stop at the end of clause 3.8.1(c) and replace it with '; or'.
- 16.8 Insert the following new clause 3.8.1(d):
- (d) cause significant deviation from the SWIS's normal operating conditions.
- 16.9 Delete 'Where' and replace it with 'If' in clause 3.8.2.
- 16.10 Insert the words ' the Coordinator and' after the words 'findings to' in clause 3.8.2A.
- 16.11 Delete the words 'information that cannot be made public, or which AEMO considers should be removed, from any public version of the report' and replace them with the words 'Confidential Information' in clause 3.8.2A.
- 16.12 Delete clause 3.8.3 and replace it with the following new clause 3.8.3:
- 3.8.3 Following the investigation, AEMO must publish a report detailing its findings and including:
- (a) any reports provided in accordance with clause 3.8.2(d) after AEMO has removed any Confidential Information; and
- (b) a description of any changes to the WEM Rules or WEM Procedures that AEMO considers necessary to prevent the future occurrence of similar incidents.
- 16.13 Delete 'Where' and replace it with 'If' in clause 3.8.4.
- 16.14 Insert the words ' and submit' between the words 'draft' and 'a suitable' in clause 3.8.4.
- 16.15 Delete the words ' and submit it using the rule change process in sections 2.5 to 2.8' in clause 3.8.4.
- 16.16 Delete 'Where' and replace it with 'If' in clause 3.8.5.
- 16.17 Delete 'Where' and replace it with 'If' in clause 3.8.5A.
- 16.18 Delete 'Where' and replace it with 'If' in clause 3.8.6.
- 16.19 Delete 'Where' and replace it with 'If' in clause 3.8.7.
17. **Section 3.11B amended**
- 17.1 Delete clause 3.11B.7(g) and replace it with the following new clause 3.11B.7(g):
- (g) where the NCESS Submission is made in respect to a type of technology that would ordinarily be capable of being assigned Certified Reserve Capacity, the information

required to be provided by the Market Participant or service provider to demonstrate that it will be able to meet the relevant requirements in clause 4.10.1 in respect of each Reserve Capacity Cycle that the Facility would be eligible to participate in over the period of the NCESS Contract;

17.2 Delete clause 3.11B.15 and replace it with the following new clause 3.11B.15:

3.11B.15. AEMO or the Network Operator, as applicable, must publish the following details regarding each NCESS Contract on the WEM Website, in the case of AEMO, or the Network Operator's website, in the case of the Network Operator, as soon as practicable after the NCESS Contract has been signed by all parties:

- (a) the name of each Market Participant or service provider and the Facility or equipment that will provide the NCESS;
- (b) the location on the network of the Facility or equipment;
- (c) the type and quantity of service the Facility or equipment will provide as NCESS;
- (d) the timing and duration of the NCESS to be provided under the NCESS Contract; and
- (e) the payment structure and the amounts specified in the NCESS Contract, including but not limited to:
 - i. if applicable, the price to make the Facility or equipment available for enablement or dispatch, and the nature of the availability obligations;
 - ii. if applicable, the price at which the Facility or equipment will provide the NCESS when enabled or dispatched; and
 - iii. if applicable, any other payment that the Facility or equipment is entitled to, to provide the NCESS.

17.3 Delete the word ' and' at the end of clause 3A.5.5(b).

17.4 Delete the full stop at the end of clause 3A.5.5(c) and replace it with '; and'.

17.5 Insert the following new clause 3A.5.5(d):

- (d) electrical losses between a Measurement Point and Connection Point that may cause a Proposed Negotiated Generator Performance Standard to adversely impact on Power System Security or Power System Reliability.

18. **Section 4.1 amended**

18.1 Delete clause 4.1.16A(b) and replace it with the following new clause 4.1.16A(b):

- (b) publish the information required to be published under clause 4.20.5A(b);

- 18.2 Delete clause 4.1.18A.
- 18.3 Delete the word ' and' at the end of clause 4.1.22(a).
- 18.4 Insert the word ' determined' after 'information' and delete the full stop at the end of the clause and replace it with a semi-colon in clause 4.1.22(b).
- 18.5 Insert the following new clause 4.1.22(c):
- (c) publish the summary of information described in clause 4.20.5AA on the WEM Website;
and
- 18.6 Insert the following new clause 4.1.22(d):
- (d) publish AEMO's determination under clause 4.20.17B(a) on the WEM Website.
- 18.7 Delete clause 4.1.26(c) and replace it with the following new clause 4.1.26(c):
- (c) for the 2021 Reserve Capacity Cycle, from the Trading Day commencing on 1 October of Year 3 of the Reserve Capacity Cycle;
- 18.8 Delete clause 4.1.26(d) and replace it with the following new clause 4.1.26(d):
- (d) for the 2022 Reserve Capacity Cycle and 2023 Reserve Capacity Cycle, from the Trading Day commencing:
 - i. on 1 October of Year 3 of the Reserve Capacity Cycle, for Facilities that were commissioned as at 16 September 2019 or for Facilities which have provided Capacity Credits in one or both of the two previous Reserve Capacity Cycles;
 - ii. on 1 June of Year 3 of the Reserve Capacity Cycle, for Facilities or Facility upgrades commissioned between 16 September 2019 and 1 June of Year 3 of the Reserve Capacity Cycle;
 - iii. on the scheduled date of commissioning, as specified in accordance with clause 4.10.1(c)(iii)(7), or as revised in accordance with clause 4.27.11A, for Facilities or Facility upgrades commissioned between 1 June of Year 3 of the Reserve Capacity Cycle and 1 October of Year 3 of the Reserve Capacity Cycle; or
 - iv. on 1 October of Year 3 of the Reserve Capacity Cycle, for new Energy Producing Systems or upgrades to Energy Producing Systems undertaking Commissioning Tests after 1 October of Year 3 of the Reserve Capacity Cycle;
and
- 18.9 Delete '2019' and replace it with '2024' in the first line of clause 4.1.26(e).
- 18.10 Delete 'clause 4.20.5A(aA)' and replace it with 'clause 4.20.17B(a)' in clause 4.1.26(e)(i).
- 18.11 Insert the words ' or parts of Facilities' after 'Facilities' in clause 4.1.26(e)(i)(1).
- 18.12 Delete 'clause 4.20.5A(aA)' and replace it with 'clause 4.20.17B(a)' in clause 4.1.26(e)(ii).

- 18.13 Insert the words ' or parts of Facilities' after 'Facilities' in clause 4.1.26(e)(ii)(1).
- 18.14 Insert the words ' or Facility upgrades' after 'Facilities' in clause 4.1.26(e)(ii)(4).
- 18.15 Insert the words ' or Facility upgrades' after 'Facilities' in clause 4.1.26(e)(ii)(5).
- 18.16 Insert the words ' or upgrades to Energy Producing Systems' after 'Energy Producing Systems' in clause 4.1.26(e)(ii)(6).

19. **Section 4.5 amended**

- 19.1 Delete the word ' and' at the end of clause 4.5.2(e).
- 19.2 Delete the full stop at the end of clause 4.5.2(f) and replace it with '; and'.
- 19.3 Insert the following new clause 4.5.2(g):
- (g) expected Constrained Access Loads according to the information received under clause 4.5.4.
- 19.4 Delete the text of clause 4.5.12(a) and replace it with '[Blank]'.
- 19.5 Delete the text of clause 4.5.12(b) and replace it with '[Blank]'.
- 19.6 Delete the text of clause 4.5.12(c) and replace it with '[Blank]'.
- 19.7 Delete the text of clause 4.5.12(d) and replace it with '[Blank]'.
- 19.8 Delete the text of clause 4.5.12(e) and replace it with '[Blank]'.
- 19.9 Insert the following new clause 4.5.13(a)(viA):
- viA. the number and size of Constrained Access Loads and the typical conditions under which the Withdrawal of these Constrained Access Loads will be constrained; and
- 19.10 Delete '(i) to (vi)' and replace it with 'clauses 4.5.13(a)(i) to 4.5.13(viA)' in clause 4.5.13(a)(vii).
- 19.11 Insert the following new clause 4.5.13 (eC):
- (eC) for each Capacity Year of the Long Term PASA Horizon, the following information determined by AEMO:
- i. the Availability Duration Gap Load Scenario, which is the load scenario described in clause 4.5.10(a)(iv), adjusted as if:
1. each Electric Storage Resource which has Capacity Credits for any future Capacity Year was dispatched, in accordance with its obligations, so as to minimise the peak demand during that Capacity Year;
 2. all Demand Side Programmes with Capacity Credits for a future Capacity Year were activated during the Capacity Year so as to minimise the peak demand during that Capacity Year; and

3. any other Facility or Separately Certified Component that is expected to have a Peak Reserve Capacity Obligation Quantity of zero in some Trading Intervals and greater than zero in other Trading Intervals is activated during the Capacity Year so as to minimise the peak demand during that Capacity Year;
- ii. the Indicative Peak Electric Storage Resource Obligation Intervals;
- iii. Availability Duration Gap, which:
 1. is the maximum number of Trading Intervals adjacent to the Indicative Peak Electric Storage Resource Obligation Intervals in any Trading Day identified in clause 4.5.13(eC)(ii) that is in the Availability Duration Gap Load Scenario, in which demand is greater than the maximum demand in any of the Indicative Peak Electric Storage Resource Obligation Intervals for that Trading Day; and
 2. only considers Trading Days that have a daily peak demand that falls within the 90th percentile of the peak demand for the given Capacity Year in the load scenario described in clause 4.5.10(a)(iv);

20. **Section 4.10 amended**

20.1 Delete the word ' Parasitic' from clause 4.10.1(fD)(iii).

20.2 Replace the words 'the 2024' with the word 'a' in clause 4.10.1B.

21. **Section 4.13 amended**

21.1 In clause 4.13.1A, insert a full stop at the end of the clause so it reads '4.13.1A.'

21.2 Delete clause 4.13.1B and replace it with the following new clause 4.13.1B:

4.13.1B. The obligation under clause 4.13.1 to provide Reserve Capacity Security only applies if AEMO does not already hold the benefit of a Reserve Capacity Security for the Facility or Facility upgrade.

21.3 In clause 4.13.1C, insert a full stop at the end of the clause so it reads '4.13.1C.'

21.4 Insert the following new clause 4.13.1D:

4.13.1D. If AEMO has drawn upon the Reserve Capacity Security for a Facility under clause 4.13.11A, and the Market Participant continues to have an obligation under clause 4.13.1, then the Market Participant must ensure that AEMO holds the benefit of a replacement Reserve Capacity Security by a date and time specified by AEMO, which Reserve Capacity Security must be:

- (a) in the form specified in clause 4.13.5; and
- (b) an amount not less than the amount required under clause 4.13.2.

- 21.5 In clause 4.13.2A, insert a full stop at the end of the clause so it reads '4.13.2A.'
- 21.6 In clause 4.13.2B, insert a full stop at the end of the clause so it reads '4.13.2B.'
- 21.7 Insert the following new clause 4.13.2B(aA):
- (aA) if the amount recalculated under clause 4.13.2(b) is zero, return the Reserve Capacity Security;
- 21.8 Insert the words 'if the amount recalculated under clause 4.13.2(b) is greater than zero, ' at the beginning of clause 4.13.2B(b) before the word 'offer'.
- 21.9 Delete the comma after the words 'clause 4.13.2C' in clause 4.13.2B(b) and replace it with a semi-colon.
- 21.10 In clause 4.13.2C, insert a full stop at the end of the clause so it reads '4.13.2C.'
- 21.11 Delete 'clause 4.13' and replace it with 'clause 4.13.11A' in clause 4.13.12.
22. **Section 4.13A amended**
- 22.1 Delete 'clause 4.1.23' and replace it with 'clause 4.1.21' in clause 4.13A.8.
23. **Section 4.20 amended**
- 23.1 Insert ' and' after the semi-colon at the end of clause 4.20.5A(a).
- 23.2 Delete clause 4.20.5A(aA).
- 23.3 Delete clause 4.20.5A(b)(i) and replace it with:
- i. for each Facility assigned Capacity Credits under clause 4.20.5A(a):
1. the quantity of Capacity Credits assigned; and
 2. the Facility Class;
- 23.4 Delete clause 4.20.5A(b)(ii) and replace it with:
- ii. the Peak Reserve Capacity Price for the Reserve Capacity Cycle;
- 23.5 Insert the following new clause 4.20.5A(b)(iii):
- iii. if the Reserve Capacity Cycle is a Transitional Reserve Capacity Cycle, the Facility Monthly Reserve Capacity Price determined under clause 4.29.1B for the Reserve Capacity Cycle multiplied by 12; and
- 23.6 Insert the following new clause 4.20.5A(b)(iv):
- iv. each Facility Monthly Reserve Capacity Price that may be determined under clause 4.29.1D for the Reserve Capacity Cycle multiplied by 12.
- 23.7 Insert ', by the date and time specified in clause 4.1.22,' after the words 'AEMO must' in clause 4.20.5AA.
- 23.8 Insert the following new clause 4.20.17B:

4.20.17B. AEMO must, by the date and time specified in clause 4.1.22:

- (a) determine whether the Reserve Capacity Requirement has been met or exceeded with the Capacity Credits assigned for the third Capacity Year of the Long Term PASA Study Horizon for a Reserve Capacity Cycle:
 - i. to Facilities or parts of Facilities to which section 4.13 applies, for which no Reserve Capacity Security was required to be provided under section 4.13; or
 - ii. to Demand Side Programmes determined by AEMO to be in Commercial Operation; and
- (b) publish AEMO's determination under clause 4.20.17B(a).

24. Section 4.24 amended

24.1 Delete 'clause 4.24.7(j)(i)' and replace it with 'clause 4.24.7(e)(iv)(1)' in clause 4.24.11B(e).

24.2 Delete 'clause 4.24.7(j)(ii)' and replace it with 'clause 4.24.7(e)(iv)(2) or 4.24.7(f)(iii), as applicable' in clause 4.24.11B(f).

25. Section 4.25 amended

25.1 Delete '[Blank]' in clause 4.25.2(b)(i) and replace it with the words 'observing the Facility decrease its consumption in response to a Dispatch Instruction issued by AEMO, for at least two consecutive Trading Intervals, as determined from Meter Data Submissions; or'

25.2 Delete the words 'metered consumption' and replace them with 'Meter Data Submissions' in clause 4.25.2(b)(ii).

25.3 Delete the words 'reflect the maximum capabilities achieved' and replace them with 'the greatest of the values obtained in the Trading Intervals' in clause 4.25.4(a).

25.4 Delete the words ', in accordance with 4.25.2E(b)' in clause 4.25.4(a).

26. Section 4.29 amended

26.1 Insert ' and' at the end of clause 4.29.3(d)(v).

26.2 Delete the word ' and' at the end of clause 4.29.3(d)(vi).

26.3 Delete clause 4.29.3(d)(vii).

27. Section 6.3A amended

27.1 Delete '8:00' and replace it with '7:30' in clause 6.3A.3.

28. Section 6.4 amended

28.1 Delete 'clause 9.20.6' and replace it with 'clause 9.16.8' in clause 6.4.7.

28.2 Delete 'clause 9.21' and replace it with 'section 9.17' in clause 6.4.7.

29. **Section 7.4 amended**

29.1 Delete the word ' or' at the end of clause 7.4.35(c).

29.2 Delete the full stop at the end of clause 7.4.35(d) and replace it with '; or'.

29.3 Insert the following new clause 7.4.35(e):

(e) complying with a direction issued by AEMO.

29.4 Delete 'network connection point' and replace it with 'Measurement Point' in clause 7.4.47(a).

30. **Section 7.6 amended**

30.1 Delete the word ' and' at the end of clause 7.6.5B(b)(iii).

30.2 Delete the full stop at the end of clause 7.6.5B(b)(iv) and replace it with '; and'.

30.3 Insert the following new clause 7.6.5B(b)(v):

v. subject to clauses 7.6.5B(b)(iii) and 7.6.5B(b)(iv), dispatch Demand Side Programmes in order of the longest time since a Demand Side Programme was last dispatched (outside of a Reserve Capacity Test).

31. **Section 8.3 amended**

31.1 Delete clause 8.3.1(a) and replace it with the following new clause 8.3.1(a):

(a) subject to clause 8.3.1A, record each meter connected to the Network or located at a Measurement Point;

31.2 Insert the following new clause 8.3.1A:

8.3.1A. The Meter Registry described in clause 8.3.1 must not record a meter located at a Connection Point where there are multiple Measurement Points behind that Connection Point.

32. **Section 9.10 amended**

32.1 Delete 'network connection point' and replace it with 'Measurement Point' in clause 9.10.3C(a)(iii).

32.2 Insert the words ' for energy' after the words 'Price-Quantity Pair' in clause 9.10.3C(a)(v).

32.3 Delete the words 'EM_CR(f,DI) in the Real-Time Market Submission for energy for Registered Facility f and Dispatch Interval DI' and replace them with the words 'the Enablement Minimum for Contingency Reserve Raise for Registered Facility f in Dispatch Interval DI, as specified in the relevant Real-Time Market Submission' in clause 9.10.3C(a)(v).

32.4 Delete 'network connection point' and replace it with 'Measurement Point' in clause 9.10.3D(a)(iii).

32.5 Insert the words ' for energy' after the words 'Price-Quantity Pair' in clause 9.10.3D(a)(v).

- 32.6 Delete the words 'EM_CL(f,DI) in the Real-Time Market Submission for energy for Registered Facility f and Dispatch Interval DI' and replace them with the words 'the Enablement Minimum for Contingency Reserve Lower for Registered Facility f in Dispatch Interval DI, as specified in the relevant Real-Time Market Submission' in clause 9.10.3D(a)(v).
- 32.7 Delete 'network connection point' and replace it with 'Measurement Point' in clause 9.10.3E(a)(iii).
- 32.8 Insert the words ' for energy' after the words 'Price-Quantity Pair' in clause 9.10.3E(a)(v).
- 32.9 Delete the words 'EM_RCS(f,DI) in the Real-Time Market Submission for energy for Registered Facility f and Dispatch Interval DI' and replace them with the words 'the Enablement Minimum for RoCoF Control Service for Registered Facility f in Dispatch Interval DI, as specified in the relevant Real-Time Market Submission' in clause 9.10.3E(a)(v).
- 32.10 Delete 'network connection point' and replace it with 'Measurement Point' in clause 9.10.3F(a)(iii).
- 32.11 Insert the words ' for energy' after the words 'Price-Quantity Pair' in clause 9.10.3F(a)(v).
- 32.12 Delete the words 'EM_RR(f,DI) in the Real-Time Market Submission for energy for Registered Facility f and Dispatch Interval DI' and replace them with the words 'the Enablement Minimum for Regulation Raise for Registered Facility f in Dispatch Interval DI, as specified in the relevant Real-Time Market Submission' in clause 9.10.3F(a)(v).
- 32.13 Delete 'network connection point' and replace it with 'Measurement Point' in clause 9.10.3G(a)(iii).
- 32.14 Insert the words ' for energy' after the words 'Price-Quantity Pair' in clause 9.10.3G(a)(v).
- 32.15 Delete the words 'EM_RL(f,DI) in the Real-Time Market Submission for energy for Registered Facility f and Dispatch Interval DI' and replace them with the words 'the Enablement Minimum for Regulation Lower for Registered Facility f in Dispatch Interval DI, as specified in the relevant Real-Time Market Submission' in clause 9.10.3G(a)(v).
33. **Section 10.4 amended**
- 33.1 Insert the following new clause 10.4.4A:
- 10.4.4A. An Information Manager may disclose Confidential Information without receiving a request under clause 10.4.6, if the party receiving the Confidential Information is:
- (a) the Coordinator or the Economic Regulation Authority; or
 - (b) AEMO or a Network Operator, and the Confidential Information is required by AEMO or a Network Operator (as relevant) to carry out its functions under these WEM Rules or a WEM Procedure.
- 33.2 Delete clause 10.4.26 and replace it with the following new clause 10.4.26:

10.4.26. When an Information Manager discloses Market Information under clause 10.4.4A or to a requesting party in response to a request under clause 10.4.6, the Information Manager must identify any Market Information that is classified as Confidential Information.

34. **Section 11 amended**

34.1 Delete clause (b) from the definition of Authorised Officer and replace it with the following new clause (b):

(b) a person designated as an "executive officer" of the Rule Participant under section 43 of the Government Trading Enterprises Act 2023; or

34.2 Insert the following new definition of Connection Point:

Connection Point: A point on a Network identified in, or to be identified in, a contract for network services as an entry point, exit point, or bidirectional point.

34.3 Insert the following new definition of Constrained Access Load:

Constrained Access Load: A Non-Dispatchable Load that is subject to an agreement with a Network Operator, under which the Withdrawal of the Non-Dispatchable Load is constrained in specified conditions.

34.4 Insert the following new definition of Electric Storage Resource Obligation Duration:

Electric Storage Resource Obligation Duration: See Peak Electric Storage Resource Obligation Duration.

34.5 Insert the following new definition of Electric Storage Resource Obligation Interval:

Electric Storage Resource Obligation Interval: See Peak Electric Storage Resource Obligation Interval.

34.6 Delete the words 'specified as' and replace them with the words 'capable of' in the definition of Enablement Maximum.

34.7 Delete the word 'available' and replace it with the word 'provided' in the definition of Enablement Maximum.

34.8 Delete the words 'specified as' and replace them with the words 'capable of' in the definition of Enablement Minimum.

34.9 Delete the word 'available' and replace it with the word 'provided' in the definition of Enablement Minimum.

34.10 Delete the definition of Energy Producing System and replace it with the following new definition of Energy Producing System:

Energy Producing System: One or more electricity producing units, such as generation systems or Electric Storage Resources, located behind a single Measurement Point or electrically connected behind two or more shared Measurement Points.

34.11 Delete clauses (c) and (d) in the definition of Estimated FCESS Uplift Payment and replace them with the following new clauses (c) and (d):

(c) EM is the greatest Enablement Minimum in a Real-Time Market Submission, as updated by AEMO (if applicable) under clause 7.4.52, for a Frequency Co-optimised Essential System Service for the Registered Facility in the Dispatch Interval for which the Registered Facility had an Essential System Service Enablement Quantity greater than zero;

(d) LFAOP is the Loss Factor Adjusted Price in the Price-Quantity Pair which corresponds to the greatest Enablement Minimum for a Frequency Co-optimised Essential System Service for which the Registered Facility had an Essential System Service Enablement Quantity greater than zero, as specified in the Real-Time Market Submission for energy for the Registered Facility in the Dispatch Interval; and

34.12 Delete 'EPOC - EOPF + FCESSOPC' and replace it with 'EOPC - EOPF + FCESSOPC' in clause (b) of the definition of FCESS Clearing Price Ceiling.

34.13 Delete the definition of Indicative Peak Electric Storage Resource Obligation Intervals and replace it with the following new definition of Indicative Peak Electric Storage Resource Obligation Intervals:

Indicative Peak Electric Storage Resource Obligation Intervals: For a Trading Day in a Capacity Year, the set of contiguous Trading Intervals which minimises the daily peak demand for that Trading Day by discharging each Electric Storage Resource evenly across those Trading Intervals and for which the number of Trading Intervals equals the ESR Duration Requirement for the previous Reserve Capacity Cycle.

34.14 Delete the definition of Injection and replace it with the following new definition of Injection:

Injection: The quantity of power or energy sent into a Network, as measured at:

(a) for a Registered Facility with a single defined Measurement Point, the Measurement Point; and

(b) for a Registered Facility with multiple Measurement Points with the same Electrical Location, the Electrical Location,

which is measured in instantaneous MW unless specified as MWh over a time period, and represented as a positive number or zero.

34.15 Insert the following new definition of Measurement Point:

Measurement Point: For a Facility, the point at which the Network Operator measures Injection and Withdrawal using a revenue quality metering device that complies with the Electricity Industry (Metering) Code 2012.

- 34.16 Delete the definition of National Metering Identifier and replace it with the following new definition of National Metering Identifier:

National Metering Identifier: The unique identifier for a Measurement Point.

- 34.17 Delete the definition of Network Contingency and replace it with the following new definition of Network Contingency:

Network Contingency: A Credible Contingency Event associated with the unexpected disconnection of one or more major items of Network equipment, but excludes from that meaning:

- (a) a Credible Contingency Event resulting in the loss of Injection or Withdrawal from a Facility arising as a result of failure of equipment at the Facility; or
- (b) except where a Separate Facility exists behind the Connection Point, the loss of the Connection Point associated with the Facility.

- 34.18 Insert the following new definition of Separate Facility:

Separate Facility: A Facility that meets the requirements of clause 2.31.2K and has been approved by AEMO under clause 2.31.2F.

- 34.19 Delete the words 'will be available' and replace them with the words 'is capable of being provided' in the definition of Standing Enablement Maximum.

- 34.20 Delete the words 'will be available' and replace them with the words 'is capable of being provided' in the definition of Standing Enablement Minimum.

- 34.21 Delete the definition of System Size and replace it with the following new definition of System Size:

System Size: In respect of a Facility, a quantity equalling the sum of:

- (a) the minimum of:
 - i. the Declared Sent Out Capacity at the Connection Point for the Facility; and
 - ii. the sum over all energy producing equipment comprising the Energy Producing System at the Facility (calculated for each individual piece of energy equipment), of each energy producing equipment's maximum nameplate capacity expressed in MW; and
- (b) if the Facility contains no Electric Storage Resource, then zero, otherwise the minimum of:

- i. the absolute value of the maximum Withdrawal capacity for all Electric Storage Resource units, expressed in MW; or
- ii. the absolute value of the Contract Maximum Demand in MW for the Connection Point of the Facility.

34.22 Delete the definition of Withdrawal and replace it with the following new definition of Withdrawal:

Withdrawal: The quantity of power or energy received from a Network, as measured:

- (a) for a Scheduled Facility, Semi-Scheduled Facility or Non-Scheduled Facility with a single defined Measurement Point, at the Measurement Point;
- (b) for a Scheduled Facility, Semi-Scheduled Facility or Non-Scheduled Facility with multiple Measurement Points with the same Electrical Location, at the Electrical Location;
- (c) [Blank]
- (d) for a Non-Dispatchable Load, at the Measurement Point; and
- (e) for a Demand Side Programme, as the sum of the Withdrawal quantities of each Associated Load of the Demand Side Programme,

which is measured in instantaneous MW unless specified as MWh over a time period, and is represented as a negative number or zero.

35. **Appendix 1: Standing Data amended**

35.1 Delete 'connection point' and replace it with 'Measurement Point' in clause (b)(xxiv) of Appendix 1.

35.2 Delete 'connection point' and replace it with 'Measurement Point' in clause (c)(xxiii) of Appendix 1.

35.3 Delete 'connection point' and replace it with 'Measurement Point' in clause (d)(xi) of Appendix 1.

36. **Appendix 5A: Non-Temperature Dependent Load Requirements amended.**

36.1 Delete 'connection point' and replace it with 'Measurement Point' in Appendix 5A: Non-Temperature Dependent Load Requirements.

Schedule 2

1. Section 4.28 amended

1.1 Insert ' equivalent to' after '4.28.2(b)(i) is' in clause 4.28.2(cB).

1.2 Insert ' equivalent to' after 'Facility is' in clause 4.28.2(d).

1.3 Insert the following new clause 4.28.4(aA):

(aA) the sum of the costs determined under clause 4.28.4A for that Trading Day; and

1.4 Insert the following new clause 4.28.4A:

4.28.4A. For each Trading Interval, AEMO must determine the sum of the payments to be made by AEMO under NCESS Contracts for capacity procured by AEMO to meet the Peak Reserve Capacity Requirement for the relevant Reserve Capacity Cycle determined in accordance with clause 4.6.1.

2. Section 6.3 amended

2.1 Insert ' Mid Peak' after 'Determination of' in the heading of section 6.3.

2.2 Insert 'Mid Peak ' before the words 'Electric Storage' and delete the word 'Intervals' and replace it with 'Interval' in clause 6.3.1(a).

2.3 Insert 'Mid Peak ' before the words 'Electric Storage' in clause 6.3.1(b).

3. Section 6.3A amended.

3.1 Delete clause 6.3A.2 and replace it with the following new clause 6.3A.2:

6.3A.2. AEMO must publish the following information by 6:50 AM on each Scheduling Day:

(a) the Peak Electric Storage Resource Obligation Intervals that will apply to each Electric Storage Resource for the Trading Day for the Scheduling Day, as determined by AEMO using the Mid Peak Electric Storage Resource Obligation Interval determined under clause 6.3.1(a); and

(b) the Peak Electric Storage Resource Obligation Intervals that AEMO expects will apply to each Electric Storage Resource for each of the seven Trading Days following the Trading Day for the Scheduling Day, as determined by AEMO using the Mid Peak Electric Storage Resource Obligation Intervals determined under clause 6.3.1(b).

3.2 Delete clause 6.3A.4(a) and replace it with the following new clause 6.3A.4(a):

(a) the Peak Electric Storage Resource Obligation Intervals for each Electric Storage Resource for the Trading Days in the STEM Submission Information Window are the same as those determined by AEMO on the Scheduling Day using the Mid Peak Electric Storage Resource Obligation Intervals determined under clause 6.3.1;

4. **Section 9.10 amended**

4.1 Delete clause 9.10.27D and replace it with the following new clause 9.10.27D:

The residual cost of procuring NCESS in Trading Interval t is:

$$\text{NCESS_Payable}(t) = \sum_{p \in P} \text{NCESS_Payable}(p,t) - \sum_{p \in P} \text{NCESS_Shared}(p,t)$$

where:

- (a) NCESS_Payable(p,t) is the NCESS amount payable to Market Participant p for NCESS in Trading Interval t as calculated in accordance with clause 9.10.27B;
- (b) $p \in P$ denotes all Market Participants; and
- (c) NCESS_Shared(p,t) is the NCESS amount payable to Market Participant p for NCESS in Trading Interval t calculated under clause 4.28.4A.

4.2 Delete 'total' and replace it with 'residual' in clause 9.10.45(a).

Schedule 3

1. Section 7.11B amended

1.1 Delete the word ' and' at the end of clause 7.11B.1B(b).

1.2 Insert the following new clause 7.11B.1B(bA):

(bA) if AEMO is unable to identify a Market Schedule under clauses 7.11B.1B(a) or 7.11B.1B(b), then AEMO must, if it has sufficient information, use the Dispatch Algorithm with corrected Dispatch Inputs to determine a replacement Market Schedule for the relevant Dispatch Interval that does not include manifestly incorrect data, in accordance with the WEM Procedure referred to in clause 7.11C.1; and

1.3 Delete the words '7.11B.1B(a) or 7.11B.1B(b)' and replace them with '7.11B.1B(a), 7.11B.1B(b) or 7.11B.1B(bA)' in clause 7.11B.1B(c).

1.4 Delete clause 7.11C.1 and replace it with the following new clause 7.11C.1:

7.11C.1. AEMO must develop procedures for the identification of Affected Dispatch Intervals within the timeframes contemplated under clause 7.11C.2, and must document in a WEM Procedure:

- (a) the conditions or circumstances that would identify a Dispatch Interval as an Affected Dispatch Interval;
- (b) the conditions and circumstances that would require AEMO to determine a replacement Market Schedule under clause 7.11B.1B(bA); and
- (c) the process AEMO must follow to determine a replacement Market Schedule under clause 7.11B.1B(bA).

Schedule 4

1. Section 7.5 amended

1.1 Insert the following new clause 7.5.19:

7.5.19. AEMO must document in a WEM Procedure the method it uses and the factors it takes into account when determining:

- (a) Facility Raise Contingencies;
- (b) Facility Raise Contingency Risks; and
- (c) Single Facility Raise Risks.

1.2 Insert a new section heading 'Facility Raise Contingencies' before new clause 7.5.19.

1.3 Insert the following new clause 7.5.20:

7.5.20. AEMO must take the following information into account when determining Facility Raise Contingencies, Facility Raise Contingency Risks and Single Facility Raise Risks for a Facility that contains an Intermittent Load:

- (a) any information provided by the Market Participant for the Facility under clause 2.30B.3(g);
- (b) the Dispatch Target or Dispatch Forecast for the Facility, if applicable;
- (c) for Non-Dispatchable Loads, AEMO's estimate of the Facility's MW Injection or Withdrawal level for the Dispatch Interval; and
- (d) the output of each energy producing unit in the Energy Producing System supplying the Intermittent Load, if applicable.

1.4 Insert the following new clause 7.5.21:

7.5.21. If, when determining Credible Contingency Events in accordance with the WEM Procedure referred to in clause 3.8A.4, AEMO reasonably considers there is a credible risk that:

- (a) the consequential response of a CR Facility ("consequent facility") to a Facility Raise Contingency triggered by another CR Facility ("primary facility") increases the Facility Raise Contingency Risk of the primary facility; and
- (b) the Facility Raise Contingency Risk of the primary facility could be the Largest Credible Supply Contingency in one or more Dispatch Intervals,

then, unless the SWIS is in an Emergency Operating State or under declared Lack of Reserve Conditions, AEMO must include Constraint Equations in the Dispatch Algorithm as required to ensure the risk imposed by the consequent facility does not increase the Facility Raise Contingency Risk of the primary facility.

2. **Section 7.13 amended.**

2.1 Delete clause 7.13.1EA(c)(i) and replace it with the following new clause 7.13.1EA(c)(i):

- i. for each CR Facility, the Single Facility Raise Risk for the Dispatch Interval;

2.2 Delete clause 7.13.1EA(c)(ii) and replace it with the following new clause 7.13.1EA(c)(ii):

- ii. for each Facility Raise Contingency which is a Credible Contingency Event that is taken into account when setting the Contingency Reserve Raise requirement under clause 7.2.4 in the Dispatch Interval, the Facility Raise Contingency Risk associated with the Dispatch Interval;

2.3 Insert the following new clause 7.13.1EA(c)(iiA):

- iiA. for each Network Raise Contingency which is a Credible Contingency Event that is taken into account when setting the Contingency Reserve Raise requirement under clause 7.2.4 in the Dispatch Interval:
 - 1. the Network Raise Risk associated with the Network Supply Contingency; and
 - 2. the Network Facility Raise Risk of each CR Facility that contributes to the Network Raise Contingency in the Dispatch Interval;

3. **Section 9.10 amended**

3.1 Delete clause 9.10.30 and replace it with the following new clause 9.10.30:

9.10.30. The Contingency Reserve Raise amount recoverable from Market Participant p for Trading Interval t is:

$$CR_Recoverable(p,t) = \sum_{DI \in t} \begin{cases} CR_Payable(DI) \times RTMSuspShare(p,DI), & \text{if } RTMSuspFlag(DI)=1 \\ CR_Payable(DI) \times CR_Cost_Share(p,DI), & \text{otherwise} \end{cases}$$

where:

- (a) CR_Payable(DI) is the total cost of procuring Contingency Reserve Raise in Dispatch Interval DI calculated in accordance with clause 9.10.7;
- (b) CR_Cost_Share(p,DI) is Market Participant p's share of the total cost of procuring Contingency Reserve Raise in Dispatch Interval DI as calculated following the steps set out in Appendix 2A and as finally calculated in clause 5.2 of Appendix 2A;
- (c) RTMSuspFlag(DI) is the RTM Suspension Flag for Dispatch Interval DI;
- (d) RTMSuspShare(p,DI) is Market Participant p's share of the total cost of procuring Contingency Reserve Raise when AEMO has suspended the Real-Time Market under clause 7.11D.1 for Dispatch Interval DI as calculated in clause 9.10.30A; and

(e) $DI \in t$ denotes all Dispatch Intervals DI in Trading Interval t .

3.2 Delete clause 9.10.30B and replace it with the following new clause 9.10.30B:

9.10.30B. Market Participant p 's contributing quantity to the total cost of procuring Contingency Reserve Raise and the Additional RoCoF Control Requirement component of RoCoF Control Service when AEMO has suspended the Real-Time Market under clause 7.11D.1 for Dispatch Interval DI is:

$$\text{SuspParticipantQuantity}(p,DI) = \sum_{f \in p} \text{SuspFacilityQuantity}(f,DI)$$

where:

- (a) $\text{SuspFacilityQuantity}(f,DI)$ is the contributing quantity of CR Facility f in Dispatch Interval DI , calculated in accordance with clause 9.10.30C; and
- (b) $f \in p$ denotes all CR Facilities f associated with Market Participant p in Dispatch Interval DI .

3.3 Delete clause 9.10.30C and replace it with the following new clause 9.10.30C:

9.10.30C. CR Facility f 's contributing quantity to the total cost of procuring Contingency Reserve Raise and the Additional RoCoF Control Requirement component of RoCoF Control Service when AEMO has suspended the Real-Time Market under clause 7.11D.1 for Dispatch Interval DI is:

$$\text{SuspFacilityQuantity}(f,DI) = \begin{cases} \max(0, \text{FacilityQuantity}(f,DI)) & , \text{ if } \text{EOIQuantity}(f,DI) > 10 \text{ MW} \\ 0 & , \text{ otherwise} \end{cases}$$

where:

- (a) $\text{FacilityQuantity}(f,DI)$ is the Metered Schedule of CR Facility f in the Trading Interval in which Dispatch Interval DI falls; and
- (b) $\text{EOIQuantity}(f,DI)$ is the EOI Quantity of CR Facility f in Dispatch Interval DI .

3.4 Delete clause 9.10.43 and replace it with the following new clause 9.10.43:

9.10.43. The cost of procuring the Additional RoCoF Control Requirement component of RoCoF Control Service recoverable from Rule Participant p in Dispatch Interval DI is:

$\text{AdditionalRCS_Recoverable}(p,DI) =$

$$\begin{cases} \text{AdditionalRCS_Payable}(DI) \times \text{RTMSuspShare}(p,DI) & , \text{ if } \text{RTMSuspFlag}(DI) = 1 \\ \text{AdditionalRCS_Payable}(DI) \times \text{CR_Cost_Share}(p,DI) & , \text{ otherwise} \end{cases}$$

where:

- (a) AdditionalRCS_Payable(DI) is the total cost of procuring the Additional RoCoF Control Requirement component of RoCoF Control Service in Dispatch Interval DI as calculated in accordance with clause 9.10.19;
- (b) RTMSuspShare(p,DI) is Market Participant p's share of procuring the SESSM Awards for RoCoF Control Service in Dispatch Interval DI where AEMO has suspended the Real-Time Market under clause 7.11D.1, as calculated in accordance with clause 9.10.30A;
- (c) RTMSuspFlag(DI) is the RTM Suspension Flag for Dispatch Interval DI; and
- (d) CR_Cost_Share(p,DI) is Market Participant p's share of procuring the Additional RoCoF Control Requirement component of RoCoF Control Service in Dispatch Interval DI as calculated following the steps set out in Appendix 2A and as finally calculated in clause 5.2 of Appendix 2A.

4. Section 11 – Glossary amended

4.1 Insert the following new definition of CR Facility:

CR Facility: A Facility that is a:

- (a) Scheduled Facility;
- (b) Semi-Scheduled Facility;
- (c) Non-Scheduled Facility; or
- (d) Non-Dispatchable Load containing an Intermittent Load, if the Energy Producing System supplying the Intermittent Load is not also part of a Scheduled Facility, Semi-Scheduled Facility or Non-Scheduled Facility.

4.2 Insert the following new definition of Facility Raise Contingency:

Facility Raise Contingency: A Credible Contingency Event resulting in a decrease in SWIS Frequency associated with the unexpected disconnection of, or the unplanned change in the output of, one or more operating energy producing units within a CR Facility.

4.3 Insert the following new definition of Facility Raise Contingency Risk:

Facility Raise Contingency Risk: The maximum estimated net MW change resulting in a decrease in SWIS Frequency in a Dispatch Interval or Pre-Dispatch Interval due to a Facility Raise Contingency for a CR Facility, taking into account the output of the Dispatch Algorithm for the Dispatch Interval or Pre-Dispatch Interval (as applicable) (and expressed as a non-negative number).

4.4 Delete the definition of Facility Risk.

4.5 Delete the definition of Largest Network Risk.

4.6 Insert the following new definition of Network Facility Raise Risk:

Network Facility Raise Risk: The estimated MW contribution of a CR Facility to a Network Raise Risk for a Dispatch Interval or Pre-Dispatch Interval (as applicable) in respect of a Network Raise Contingency, taking into account the output of the Dispatch Algorithm for the Dispatch Interval or Pre-Dispatch Interval (as applicable).

4.7 Insert the following new definition of Network Raise Contingency:

Network Raise Contingency: A Credible Contingency Event resulting in a decrease in SWIS Frequency associated with the unexpected disconnection of one or more major items of Network equipment, but excludes from that meaning a Credible Contingency Event resulting in the loss of output from a Facility arising from:

- (a) a failure of equipment at the Facility; or
- (b) except where a Separate Facility exists behind the Connection Point, the loss of the Connection Point associated with the Facility.

4.8 Insert the following new definition of Network Raise Risk:

Network Raise Risk: The estimated net MW change resulting in a decrease in SWIS Frequency due to a Network Raise Contingency for a Dispatch Interval or Pre-Dispatch Interval (as applicable), taking into account the output of the Dispatch Algorithm (and expressed as a non-negative number) for the Dispatch Interval or Pre-Dispatch Interval (as applicable).

4.9 Delete the definition of Network Risk.

4.10 Insert the following new definition of Single Facility Raise Risk:

Single Facility Raise Risk: The maximum estimated MW change for a CR Facility resulting in a decrease in SWIS Frequency due to a Facility Raise Contingency for the CR Facility in a Dispatch Interval or Pre-Dispatch Interval (as applicable), excluding any consequential changes to the Injection or Withdrawal of other Facilities and taking into account the output of the Dispatch Algorithm for the Dispatch Interval or Pre-Dispatch Interval (as applicable) (and expressed as a non-negative number).

5. **Appendix 2A amended**

48.1 Delete Appendix 2A and replace it with the following new Appendix 2A:

Appendix 2A: Contingency Reserve Raise and Additional RoCoF Requirement Cost Share Calculation Method

1. Interpretation

- 1.1 Where anything is to be determined, calculated or done in this Appendix 2A, then except where otherwise stated, AEMO will determine, calculate or do, as the case may be, those things.
- 1.2 AEMO must calculate a Market Participant p's total share of procuring Contingency Reserve Raise and the Additional RoCoF Requirement component of RoCoF Control Service in Dispatch Interval DI by following each of the steps set out in the rest of this Appendix 2A.
- 1.3 In this Appendix 2A, "CR Facility Name" means:
- (a) for a CR Facility that is a Scheduled Facility, Semi-Scheduled Facility or Non-Scheduled Facility, the name of the Facility recorded by AEMO in accordance with clause 2.34B.1(e); and
 - (b) for a CR Facility that is a Non-Dispatchable Load containing an Intermittent Load, the name of the Intermittent Load recorded by AEMO in accordance with clause 2.34B.1(f).

2. Define Facility Sets and Facility Contingencies

- 2.1 Determine CRFacilities(DI) as the set of all CR Facilities in Dispatch Interval DI.
- 2.2 For each member f of CRFacilities(DI), determine SingleFacilityRisk(f,DI) as the Single Facility Raise Risk for CR Facility f in Dispatch Interval DI as published under clause 7.13.1EA(c)(i).
- 2.3 Determine CRApplicableFacilities(DI), which comprises those members f of CRFacilities(DI) for which:

$$\text{SingleFacilityRisk}(f,DI) \geq 10\text{MW}$$

3. Applicable Facility Shares

- 3.1 Rank the CR Facilities in the set CRApplicableFacilities(DI) in Dispatch Interval DI in the ascending order of the value of SingleFacilityRisk(f,DI) as determined in clause 2.2 of this Appendix 2A. If two or more CR Facilities in that set have the same SingleFacilityRisk(f,DI) value, AEMO shall rank those CR Facilities, as between each other, in ascending alphanumeric order of CR Facility Name. The CR Facility with the lowest

SingleFacilityRisk(f,DI) value will have rank(f, DI) = 1, and the CR Facility with the highest SingleFacilityRisk(f,DI) value will have rank(f, DI) = n, where n is the number of CR Facilities in the set CRApplicableFacilities(DI).

3.2 Calculate RunwayComponentMW(DI), which is the SingleFacilityRisk(f,DI) of the Facility which has the rank(f,DI) = n as determined in clause 3.1 of this Appendix 2A.

3.3 Determine for each CR Facility f in CRApplicableFacilities(DI), its runway share of the runway component of procuring Contingency Reserve Raise and the Additional RoCoF Control Requirement of RoCoF Control Service as follows:

$$\text{CRFacilityRunwayShare}(f,DI) = \sum_{i=1}^{\text{rank}(f,DI)} \frac{\text{CRFacilityMW}(i,DI) - \text{CRFacilityMW}(i-1, DI)}{\text{CRFacilityMW}(n,DI) \times (n+1-i)}$$

where:

- (a) CRFacilityMW(i,DI) is the SingleFacilityRisk(x,DI) value of CR Facility x with rank(x,DI) = i in Dispatch Interval DI, where CRFacilityMW(0,DI)=0, and $x \in \text{CRApplicableFacilities}(DI)$;
- (b) rank(f,DI) is the rank of CR Facility f in Dispatch Interval DI as determined in clause 3.1 of this Appendix 2A; and
- (c) n is the number of CR Facilities in the set CRApplicableFacilities(DI) in Dispatch Interval DI.

4. Non-Runway Contingency Shares

4.1. Calculate NonRunwayComponentMW(DI) as follows:

NonRunwayComponentMW(DI)=

$\max(0, \text{LargestSupplyContingencyMW}(DI) - \text{RunwayComponentMW}(DI))$

where:

- (a) LargestSupplyContingencyMW(DI) is the Largest Credible Supply Contingency in Dispatch Interval DI; and
- (b) RunwayComponentMW(DI) is the quantity determined in clause 3.2 of this Appendix 2A.

4.2. If NonRunwayComponentMW(DI) is equal to zero then go to clause 5.1 of this Appendix 2A.

4.3. Determine ApplicableFRContingencies(DI), which is the set of Facility Raise Contingencies which set the Largest Credible Supply Contingency in Dispatch Interval DI.

4.4. Determine ApplicableNRContingencies(DI), which is the set of Network Raise Contingencies which set the Largest Credible Supply Contingency in Dispatch Interval DI.

4.5. Calculate rm(DI) as the sum of the number of members in ApplicableFRContingencies(DI) and the number of members in ApplicableNRContingencies(DI).

4.6. For each member nc of $\text{ApplicableNRContingencies}(DI)$, nc , perform the following steps:

- (a) from the information published under clause 7.13.1EA(c)(iiA)(2), determine $\text{CauserCRFacilities}(nc,DI)$, which is the set of CR Facilities f for which:

$$\text{NCFacilityRaiseRisk}(f,nc,DI) > 0$$

where:

- i. $\text{NCFacilityRaiseRisk}(f,nc,DI)$ is the Network Facility Raise Risk for CR Facility f and Network Raise Contingency nc in Dispatch Interval DI as published under clause 7.13.1EA(c)(iiA)(2);

- (b) determine $\text{NCTotalApplicableRisk}(nc,DI)$ as follows:

$$\text{NCTotalApplicableRisk}(nc,DI) =$$

$$\max(\text{NRRisk}(nc,DI), \sum_{f \in \text{CauserCRFacilities}(nc,DI)} \text{NCFacilityRaiseRisk}(f,nc,DI))$$

where:

- i. $\text{NRRisk}(nc,DI)$ is the Network Raise Risk for Network Raise Contingency nc in Dispatch Interval DI as published under clause 7.13.1EA(c)(iiA)(1);
- ii. $\text{NCFacilityRaiseRisk}(f,nc,DI)$ is the Network Facility Raise Risk for CR Facility f and Network Raise Contingency nc in Dispatch Interval DI as published under clause 7.13.1EA(c)(iiA)(2); and
- iii. $f \in \text{CauserCRFacilities}(nc,DI)$ denotes all CR Facilities f in $\text{CauserCRFacilities}(nc,DI)$; and

- (c) determine for each CR Facility f , which is a member of $\text{CauserCRFacilities}(nc,DI)$, its share of the non-runway component (attributable to Network Raise Contingency nc) of procuring Contingency Reserve Raise and the Additional RoCoF Control Requirement component of RoCoF Control Service in Dispatch Interval DI as follows:

$$\text{NCFacilityShare}(f,nc,DI) = \frac{\text{NCFacilityRaiseRisk}(f,nc,DI)}{\text{NCTotalApplicableRisk}(nc,DI)} \times \frac{1}{\text{rm}(DI)}$$

where:

- i. $\text{NCFacilityRaiseRisk}(f,nc,DI)$ is the Network Facility Raise Risk for CR Facility f and Network Raise Contingency nc in Dispatch Interval DI as published under clause 7.13.1EA(c)(iiA)(2);
- ii. $\text{NCTotalApplicableRisk}(nc,DI)$ is the quantity determined for Network Raise Contingency nc in Dispatch Interval DI in clause 4.7(b) of this Appendix 2A; and
- iii. $\text{rm}(DI)$ is the number determined for Dispatch Interval DI in clause 4.5 of this Appendix 2A.

- 4.7. Determine the cost share of procuring the non-runway component of Contingency Reserve Raise and the Additional RoCoF Control Requirement of RoCoF Control Service in Dispatch Interval DI that is allocated to Synergy's Non-Dispatchable Loads as follows:

NDLNonRunwayShare(DI)=

$$\text{NDLNonRunwayShare(DI)} = 1 - \frac{\sum_{nc \in \text{ApplicableNRContingencies(DI)}} \sum_{f \in \text{CauserCRFacilities(nc,DI)}} \text{NCFacilityShare}(f,nc,DI)}{\sum_{nc \in \text{ApplicableNRContingencies(DI)}} \sum_{f \in \text{CauserCRFacilities(nc,DI)}} \text{NCFacilityShare}(f,nc,DI)}$$

where:

- (a) NCFacilityShare(f,nc,DI) is CR Facility f's cost share associated with Network Raise Contingency nc in Dispatch Interval DI as calculated in clause 4.6(c) of this Appendix 2A;
- (b) nc∈ApplicableNRContingencies(DI) denotes all Network Raise Contingencies nc in ApplicableNRContingencies(DI); and
- (c) f∈CauserCRFacilities(nc,DI) denotes all CR Facilities f in CauserCRFacilities(nc,DI).

5. Cost Shares

- 5.1 Calculate the cost shares associated with the non-runway and runway components of procuring Contingency Reserve Raise and the Additional RoCoF Control Requirement of RoCoF Control Service as follows:

- (a) calculate the cost share associated with the non-runway component in Dispatch Interval DI as follows:

$$\text{NonRunwayComponent(DI)} = \frac{\text{NonRunwayComponentMW(DI)}}{\text{LargestSupplyContingencyMW(DI)}}$$

where:

- i. NonRunwayComponentMW(DI) is the quantity determined for Dispatch Interval DI in clause 4.1 of this Appendix 2A; and
 - ii. LargestSupplyContingencyMW(DI) is the Largest Credible Supply Contingency in Dispatch Interval DI; and
- (b) calculate the cost share associated with the runway component in Dispatch Interval DI as follows:

$$\text{RunwayComponent(DI)} = 1 - \text{NonRunwayComponent(DI)}$$

where:

- i. NonRunwayComponent(DI) is the quantity determined in clause 5.1(a) of this Appendix 2A.

5.2 Calculate Market Participant p's total share of the cost of procuring Contingency Reserve Raise and the Additional RoCoF Requirement component of RoCoF Control Service in Dispatch Interval DI as follows:

$$CR_Cost_Share(p,DI) = \begin{cases} CRRunwayShare(p,DI), & \text{if NonRunwayComponent}(DI) = 0 \\ CRRunwayShare(p,DI) + CRNonRunwayShare(p,DI), & \text{otherwise} \end{cases}$$

where:

(a) CRRunwayShare(p,DI) is calculated as follows:

$$CRRunwayShare(p,DI) = RunwayComponent(DI) \times \sum_{f \in CRApplicableFacilities(p,DI)} CRFacilityRunwayShare(f,DI)$$

where:

- i. RunwayComponent(DI) is the cost share associated with the runway component of procuring Contingency Reserve Raise and the Additional RoCoF Requirement component of RoCoF Control Service in Dispatch Interval DI calculated in clause 5.1(b) of this Appendix 2A;
 - ii. $f \in CRApplicableFacilities(p,DI)$ denotes each CR Facility f in CRApplicableFacilities(DI) that belongs to Market Participant p in Dispatch Interval DI; and
 - iii. CRFacilityRunwayShare(f,DI) is Facility f's runway share of the runway component of procuring Contingency Reserve Raise and the Additional RoCoF Control Requirement component of RoCoF Control Service in Dispatch Interval DI as calculated in clause 3.3 of this Appendix 2A;
- (b) NonRunwayComponent(DI) is the cost share associated with the non runway component of procuring Contingency Reserve Raise and the Additional RoCoF Requirement component of RoCoF Control Service in Dispatch Interval DI calculated in clause 5.1(a) of this Appendix 2A; and
- (c) CRNonRunwayShare(p,DI) is calculated as follows:

$$CRNonRunwayShare(p,DI) = NonRunwayComponent(DI) \times \left(NDLPNonRunwayShare(p,DI) + \sum_{nc \in ApplicableNRContingencies(DI)} \sum_{f \in CauserCRFacilities(p,nc,DI)} NCFacilityShare(f,nc,DI) \right)$$

where:

- i. $\text{NonRunwayComponent}(DI)$ is the cost share associated with the non-runway component of procuring Contingency Reserve Raise and the Additional RoCoF Requirement component of RoCoF Control Service in Dispatch Interval DI calculated in clause 5.1(a) of this Appendix 2A;
- ii. $\text{NDLPNonRunwayShare}(p,DI)$ is:
 - 1. the quantity determined for Dispatch Interval DI in clause 4.7 of this Appendix 2A, if Market Participant p is Synergy; and
 - 2. zero, otherwise;
- iii. $\text{nc} \in \text{ApplicableNRContingencies}(DI)$ denotes all Network Raise Contingencies nc in $\text{ApplicableNRContingencies}(DI)$;
- iv. $f \in \text{CauserCRFacilities}(p,nc,DI)$ denotes each CR Facility f in $\text{CauserCRFacilities}(nc,DI)$ that belongs to Market Participant p in Dispatch Interval DI; and
- v. $\text{NCFacilityShare}(f,nc,DI)$ is CR Facility f 's cost share associated with Network Raise Contingency nc in Dispatch Interval DI as calculated in clause 4.6(c) of this Appendix 2A.