



National Electricity Amendment (Updating Short Term PASA) Rule 2022 No. 4

under the National Electricity Law to the extent applied by:

- (a) the National Electricity (South Australia) Act 1996 of South Australia;
- (b) the Electricity (National Scheme) Act 1997 of the Australian Capital Territory;
- (c) the Electricity - National Scheme (Queensland) Act 1997 of Queensland;
- (d) the Electricity - National Scheme (Tasmania) Act 1999 of Tasmania;
- (e) the National Electricity (New South Wales) Act 1997 of New South Wales;
- (f) the National Electricity (Victoria) Act 2005 of Victoria;
- (g) the National Electricity (Northern Territory) (National Uniform Legislation) Act 2015 of the Northern Territory; and
- (h) the Australian Energy Market Act 2004 of the Commonwealth.

The Australian Energy Market Commission makes the following Rule under the National Electricity Law.

Anna Collyer
Chairperson
Australian Energy Market Commission

National Electricity Amendment (Updating Short Term PASA) Rule 2022 No. 4

1 Title of Rule

This Rule is the *National Electricity Amendment (Updating Short Term PASA) Rule 2022 No. 4*.

2 Commencement

Schedule 1 of this Rule commences operation on 31 July 2025.

Schedule 2 of this Rule commences operation on 3 June 2024 immediately after the commencement of Schedules 1 to 6 of the *National Electricity Amendment (Integrating energy storage systems into the NEM) Rule 2021 No. 13*.

Schedule 3 of this Rule commences operation on 19 May 2022.

3 Amendment to the National Electricity Rules

The National Electricity Rules are amended as set out in Schedule 1.

4 Amendment to the National Electricity Rules

The National Electricity Rules are amended as set out in Schedule 2.

5 Savings and Transitional Amendment to the National Electricity Rules

The National Electricity Rules are amended as set out in Schedule 3.

Schedule 1 Amendment to the National Electricity Rules

(Clause 4)

[1] Clause 3.7.1 Administration of PASA

In paragraph 3.7.1(b), after "(or up to 3 years in advance, where specified)", insert "(the PASA objective)".

[2] Clause 3.7.3 Short Term PASA

Omit clause 3.7.3 and substitute:

- (a) In this clause 3.7.3:
 - PASA objective** has the meaning in clause 3.7.1(b).
 - ST PASA procedures** means the procedures that *AEMO* must develop and publish under paragraph (c).
- (b) The *short term PASA* covers each *30-minute period* (or such shorter period as determined by *AEMO*) in at least the seven *trading days* from and including the day of *publication*.
- (c) *AEMO* must develop and *publish*, and may amend from time to time, procedures describing:
 - (1) how *AEMO* will prepare inputs for the *short term PASA* reflecting the factors outlined in paragraph (g);
 - (2) the detailed *short term PASA* information *AEMO* will *publish* to meet the requirements of paragraph (k);
 - (3) the processes or methodologies *AEMO* will apply to produce the *short term PASA* information;
 - (4) the period to be covered by the *short term PASA* in accordance with paragraph (b); and
 - (5) any other information that *AEMO* considers reasonably necessary to implement the PASA objective, having regard to the costs and benefits of collecting the relevant information.
- (d) *AEMO* must comply with the *Rules consultation procedures* when making or amending the ST PASA procedures.
- (e) *AEMO* may make minor or administrative changes to the ST PASA procedures without complying with the *Rules consultation procedures*.
- (f) *AEMO*:
 - (1) must *publish* the *short term PASA* at least daily in accordance with the *timetable*; and

- (2) may *publish* additional updated versions of the *short term PASA* in the event of changes which, in the judgement of *AEMO*, are materially significant.
- (g) *AEMO* must prepare inputs for the *short term PASA* that take into account the following factors, informed by information received by *AEMO* under paragraphs (h) to (j):
 - (1) forecast *load* and *unscheduled generation*, taking into account forecasting uncertainties;
 - (2) forecast availability of *scheduled resources*, including any applicable *constraints*;
 - (3) forecast *network constraints* and notified *network outages*; and
 - (4) any other factors *AEMO* considers relevant having regard to the PASA objective.
- (h) Each relevant *Registered Participant* must submit the following information for the *short term PASA* in accordance with the *timetable* and the ST PASA procedures and must represent the *Registered Participant's* current intentions and best estimates of:
 - (1) *available capacity* and *PASA availability* of each of the *Registered Participant's scheduled resources* in each relevant *30-minute period* (or such other period specified in the ST PASA procedures); and
 - (2) *energy constraints* or *wholesale demand response constraints* (as applicable) for *scheduled generating units, scheduled bidirectional units, scheduled loads* or *wholesale demand response units*; and
 - (3) any other information set out in the ST PASA procedures pursuant to subparagraph 3.7.3(c)(5).
- (i) If *AEMO* considers it reasonably necessary for adequate *power system* operation and the maintenance of *power system security* and reliability of *supply*, *Registered Participants* who may otherwise be exempted from providing inputs for the *PASA* process must do so to the extent specified by *AEMO*.
- (j) *Network Service Providers* must provide to *AEMO* an outline of planned *network outages* in accordance with the *timetable* and provide to *AEMO* any other information on planned *network outages* that is reasonably requested by *AEMO* to assist *AEMO* to meet its obligations under subparagraph 3.7.3(k)(4).
- (k) *AEMO* must prepare and *publish short term PASA* information that reflects the PASA objective and includes for each *30-minute period* (or such other period specified in the ST PASA procedures) in the *short term PASA* period:

- (1) *load forecasts at a range of probability of exceedance levels;*
 - (2) *forecasts of the available capacity of individual scheduled resources;*
 - (3) *forecasts of PASA availability of individual scheduled generating units, scheduled bidirectional units, scheduled loads, scheduled network services and wholesale demand response units; and*
 - (4) *identification and quantification of:*
 - (i) *any projected violations of power system security;*
 - (ii) *any projected failure to meet the reliability standard as assessed in accordance with the reliability standard implementation guidelines;*
 - (iii) *any forecast reserve conditions under clause 4.8.4; and*
 - (iv) *when and where network constraints may limit the dispatch of scheduled resources.*
- (l) If in performing the *short term PASA AEMO* identifies any projected failure to meet the *reliability standard* in respect of a *region* as assessed in accordance with the *reliability standard implementation guidelines*, then *AEMO* must use its reasonable endeavours to advise the *Jurisdictional System Security Coordinator* who represents a *participating jurisdiction* in that region of any potential requirements during such conditions to shed *sensitive loads*.

[3] Clause 3.8.4 Notification of scheduled capacity

In subparagraph 3.8.4(c)(3), omit "*energy constrained scheduled generating units and energy constrained scheduled bidirectional units;*" and substitute "*scheduled generating units with energy constraints and scheduled bidirectional units with energy constraints;*".

[4] Clause 3.8.4 Notification of scheduled capacity

In subparagraph 3.8.4(d)(2), omit "*energy constrained scheduled load; and*" and substitute "*scheduled loads with energy constraints; and*".

[5] Clause 3.8.6 Dispatch bids - generating units and bidirectional units

In paragraph 3.8.6(b), omit "*energy constrained scheduled generating units*" and substitute "*scheduled generating units with energy constraints*".

[6] Clause 3.8.6 Dispatch bids - generating units and bidirectional units

In subparagraph 3.8.6(g2), omit "*energy constrained scheduled bidirectional units*" and substitute "*scheduled bidirectional units with energy constraints*".

[7] Clause 3.8.7 Scheduled load dispatch bids

In paragraph 3.8.7(m), omit "*energy constrained scheduled loads*" and substitute "*scheduled loads with energy constraints*".

[8] Clause 3.13.4 Spot market

In clause 3.13.4(d), omit "clause 3.7.3(h)" and substitute "clause 3.7.3(k)".

[9] Chapter 10 Omitted definitions

In chapter 10, omit the definitions of "*short term PASA inputs*", "*energy constrained scheduled generating unit*", "*energy constrained scheduled bidirectional unit*" and "*energy constrained scheduled load*"

[10] Chapter 10 Substituted definition

In chapter 10, omit and substitute the following definitions in alphabetical order:

energy constraint

A limitation on the quantity of *energy* (expressed in MWh) that a *scheduled generating unit*, *scheduled bidirectional unit* or *scheduled load* can produce or consume in a specified period.

PASA availability

For a *scheduled generating unit*, *scheduled bidirectional unit*, *scheduled load* or *scheduled network service* in a given period, its available *physical plant capability* (taking ambient weather conditions into account) and any additional *physical plant capability* that can be made available during that period within a given recall period in accordance with the *reliability standard implementation guidelines*.

For a *wholesale demand response unit* in a given period, it is the maximum available MW *wholesale demand response*, including any *wholesale demand response* that can be made available during that period within a given recall period in accordance with the *reliability standard implementation guidelines*.

wholesale demand response constraint

A limitation on the quantity of *wholesale demand response* (expressed in MWh) that a *wholesale demand response unit* can provide in a specified period.

Schedule 2 Amendment to the National Electricity Rules

[1] Clause 3.7.3 Short Term PASA

In subparagraph 3.7.3(h)(5)(v), omit "*dispatch*" and substitute "the *dispatch of scheduled resources*".

Schedule 3 Savings and Transitional Amendment to the National Electricity Rules

[1] New ZZZZY Updating Short Term PASA

In Chapter 11, after ZZZZX, insert a new Part:

Part ZZZZY Updating Short Term PASA

11.149 Rules consequential on the making of the National Electricity Amendment (Updating Short Term PASA) Rule 2022

11.149.1 ST PASA procedures

- (a) For the purposes of paragraph (b), new clause 3.7.3 means clause 3.7.3 as in force on and from the date of commencement of Schedule 1 of the *National Electricity Amendment (Updating Short Term PASA) Rule 2022*.
- (b) By 30 April 2025, *AEMO* must develop and *publish* ST PASA procedures (as defined in new clause 3.7.3) in accordance with the new clause 3.7.3.

[END OF RULE AS MADE]
