

# National Electricity and Gas Rules Update 2021

June 2021 | Rule changes as at 1 July 2021

## National Electricity Rules

New draft determinations	2	<i>Settlement under low operational demand; Generator registrations and connections</i>
New final determinations	3	<i>NEM settlement under low, zero and negative demand conditions; Prioritising arrangements for system security during market suspension; Implementing a general power system risk review</i>

## National Energy Retail Rules

*No new requests, draft determinations or final determinations*

## National Gas Rules

*No new requests, draft determinations or final determinations*

## Opportunities for Stakeholders

Due by	Opportunity for submissions
29 July 2021	<i>Settlement under low operational demand</i>
19 August 2021	<i>Generator registrations and connections</i>



## Energy Reform

### AER Releases Compliance and Enforcement Priorities for 2021–22

On 23 June 2021, the AER released its five key compliance and enforcement priorities for 2021–22, with a major focus on consumer protection. Despite the increase in consumer debt levels during the COVID-19 pandemic, the number of consumers with payment plans or accessing retail hardship programs has not followed the same trend. AER Chair Clare Savage has emphasised that retailers are required to offer payment plans to consumers requiring financial assistance and must consider a consumer's ability to pay when establishing these payment plans with consumers.

The new priorities have followed an increase in regulatory action, with a number of recent cases in which substantial penalty orders were made against retailers. Notably, courts may now order substantially increased penalties for breaches of the National Energy Laws.

#### Five Priority Areas

1. **Financial Hardship:** The AER will ensure that retailers effectively identify consumers in financial difficulty, and that payment plans are established having regard to the consumer's capacity to pay. Retailers must comply with the Retail Law and Retail Rules, which provide protections for residential consumers facing financial hardship.
2. **Embedded Networks:** To ensure that consumers are protected, the AER will focus on ensuring embedded network compliance with exemption conditions, including consumer access to Ombudsman schemes. This stems from a number of concerns around the limited reporting obligations on embedded network operators and limited competition in this space.
3. **Generator Compliance:** The AER will focus on registered generators' compliance with AEMO dispatch instructions and their ability to comply with their latest offers at all times. The AER will also ensure that renewable energy providers understand and comply with tightened energy dispatch targets.
4. **Gas Provider Disclosure Obligations:** The AER will ensure that service providers meet information disclosure obligations and other obligations under Part 23 of the NGR, as a failure to provide this information can be detrimental to users in the market and prevent the efficient investment in and use of pipelines.
5. **Gas Auction Reporting:** The AER will focus on ensuring timely and accurate gas auction reporting by registered participants, to improve transparency and integrity of the auction service.

These priorities should be read together with the AER Compliance and Enforcement Policy. Read more [here](#).

## Introduction

The document lists all rule change requests for the NER and NERR (section 1) and the NGR (section 2), currently under consideration by the AEMC. The status of each proposed Rule is regularly updated on the AEMC website and this document is amended on a monthly basis to reflect those changes.

## National Energy Retail Rules

Since 1 July 2012, the AEMC has held the role of rule maker for the Australian retail energy markets. This includes the power to amend the NERR which are part of the NECF. The NECF has commenced in South Australia, New South Wales, Queensland, Tasmania and the Australian Capital Territory. Victoria has implemented the NECF in so far as it applies to Chapter 5A of the NERR. Western Australia and the Northern Territory do not propose to implement the NECF. The AEMC may amend the NERR independently to, or in conjunction with, amendments to the NER.

## Glossary

In this document the following definitions apply:

<b>NER</b>	National Electricity Rules	<b>NEM</b>	National Electricity Market
<b>NERR</b>	National Energy Retail Rules	<b>AER</b>	Australian Energy Regulator
<b>NGR</b>	National Gas Rules	<b>DNSP</b>	Distribution Network Service Provider
<b>AEMC</b>	Australian Energy Market Commission	<b>TNSP</b>	Transmission Network Service Provider
<b>NECF</b>	National Energy Customer Framework	<b>NSP</b>	Network Service Provider
<b>AEMO</b>	Australian Energy Market Operator	<b>COAG</b>	Council of Australian Governments
<b>ESB</b>	Energy Security Board	<b>DER</b>	distributed energy resources

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# National Electricity Rules

## Rule Change Requests

Rule Name	Proponent	Initiation Date	Stage	Deadline for Submissions	Summary of Request
New rule change requests (since last update 1 June 2021)					
There have been no new rule change requests since the last update.					
Existing rule change requests (as at last update 1 June 2021)					
Settlement under low operational demand	Infigen Energy Limited	22 April 2021	Consultation on draft determination	29 July 2021	<p>This rule change request seeks to change the formulas that AEMO uses to allocate non-energy costs to market customers in the NEM. In the request, Infigen noted that AEMO's current settlement system was not originally designed for a power system with bi-directional resources, and therefore the NER does not contemplate a scenario where there may be zero customer demand from which to recover non-energy costs that are allocated to energy users.</p> <p>Non-energy costs include payments for:</p> <ul style="list-style-type: none"><li>• market and non-market ancillary services;</li><li>• compensation for directions, market suspension or administered pricing; and</li><li>• reserve contract payments.</li></ul> <p>On 17 June 2021, the AEMC released its draft determination to not make a rule. In light of the final rule made for AEMO's <i>NEM settlement in low, zero and negative demand conditions</i> rule change, the AEMC considered that the issues outlined by Infigen have been addressed and additional rules would not contribute to the achievement of the national electricity objective.</p> <p>Submissions on the draft determination are due by 29 July 2021.</p> <p>Read more <a href="#">here</a>.</p>
Enhancing operational resilience in relation to indistinct events	COAG Energy Council	17 December 2020	Consultation on consultation paper	Deadline passed (11 February 2021)	<p>This rule change request seeks to amend the NER to introduce a framework to manage indistinct events.</p> <p>The rule change request comes from a recommendation made by the AEMC in the 'Mechanisms to Enhance Resilience in the Power System – Review of the South Australian Black System Event' report, in which the AEMC found that the existing</p>

Rule Name	Proponent	Initiation Date	Stage	Deadline for Submissions	Summary of Request
					<p>system security framework may be ill-suited to managing indistinct events and recommended introducing a framework for protected operation. Indistinct events are events that can impact multiple generators or transmission lines in an unpredictable and uncertain manner and may include major storms, widespread fires and cyber-attacks, which may trigger unpredictable responses in an increasingly complex power system.</p> <p>The proposed rule change aims to adapt the system security framework of the NEM to provide AEMO with more flexibility to deal with the changing risk profile. Specifically, the proposed rule change would:</p> <ul style="list-style-type: none"> <li>• introduce the new definition of an 'indistinct event';</li> <li>• clarify that standing risks from indistinct events can be managed as a type of protected event;</li> <li>• enhance the protected event approval process to manage standing indistinct events;</li> <li>• implement a new operational tool, protected operation, allowing AEMO to more effectively manage condition-dependent indistinct events;</li> <li>• set out two types of protected operation: <ul style="list-style-type: none"> <li>○ pre-defined protected operation; and</li> <li>○ ad-hoc protected operation; and</li> </ul> </li> <li>• specify governance arrangements for protected operation.</li> </ul> <p>On 17 December 2020, the AEMC released a consultation paper seeking feedback on the issues and solution proposed by the COAG Energy Council in its rule change request. Submissions on the consultation paper were due by 11 February 2021.</p> <p>On 22 April 2021, the AEMC extended the time for making a draft determination to 28 October 2021, due to the complexity of issues raised in the request and stakeholders requesting extra consultation.</p> <p>Read more <a href="#">here</a>.</p>
Generator registrations and connections	Australian Energy Council Mr Damien Vermeer	8 October 2020	Consultation on draft determination	19 August 2021	<p>This rule change project seeks to amend the NER to alter the treatment of small generation in the NEM and increase the transparency and certainty of the generator registration and exemption process.</p> <p>This project is a consolidation of two rule change requests received by the AEMC in</p>

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					<p>late 2020:</p> <ol style="list-style-type: none"> <li><i>Generator registration and connections</i>, submitted by the Australian Energy Council; and</li> <li><i>Improving connection process for embedded generators</i>, submitted by Mr Damian Vermeer.</li> </ol> <p>This first rule change request seeks to increase the participation of smaller generators in central dispatch to enable improved management of the power system and the efficient, secure and reliable operation of the market. The request also proposes changes to AEMO's process for granting exemptions from being registered as a scheduled or non-scheduled generator.</p> <p>Specifically, the rule change request seeks to:</p> <ul style="list-style-type: none"> <li>reduce the threshold for classifying generators as non-scheduled from 30MW nameplate capacity to 5MW, making the default classifications for generators above 5MW scheduled (or semi-scheduled);</li> <li>narrow the grounds upon which generators can be exempt from scheduling obligations; and</li> <li>require AEMO to publish its reasons for exempting a person from the requirement to register as a generator, or for classifying a generating unit as non-scheduled.</li> </ul> <p>These proposed changes are aimed at addressing a concern that AEMO's ability to efficiently manage the power system is being compromised by the growing proportion of non-scheduled generation in the NEM, resulting from a trend towards the proliferation of smaller generators.</p> <p>The second rule change request seeks to amend the NER to remove ambiguities in the connection process for new embedded generators with nameplate capacities between 5 and 30 MW which intend to be exempt from the requirement to register as a generator with AEMO.</p> <p>On 8 October 2020, the AEMC released a consultation paper seeking feedback to help it understand the significance of the identified issues and whether the proposed solutions are appropriate. Submissions on the consultation paper were due by 17 December 2020.</p>

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					<p>On 24 June 2021, the AEMC released a more preferable draft rule that requires AEMO to develop, maintain and publish guidelines on registration, classification and exemption processes under Chapter 2 of the Rules, for all registered participant categories. These guidelines must describe the application processes for registration, classification and exemption, as well as the aggregation process under clause 3.8.3 of the NER and the information that must be contained in energy conversion models.</p> <p>The draft rule also proposed that:</p> <ul style="list-style-type: none"> <li>groups of generating units behind a common connection point with a combined nameplate capacity of 30MW or more will not be eligible to classify as non-scheduled, unless they meet the requirements in clause 2.2.3(b) of the NER;</li> <li>AEMO will no longer be required to approve a generating unit's classification as non-scheduled, if the primary purpose of the generating unit is local use and its sent out generation does not exceed, or rarely exceeds, 30 MW;</li> <li>non-registered embedded generators must also comply with the same access arrangements as other embedded generators under Chapter 5 of the NER, if they elect to connect to a distribution network under Chapter 5 rather than Chapter 5A; and</li> <li>Schedule 5.2 of the NER does not apply to a person, in respect of generating units that they own, operate or control, that: <ul style="list-style-type: none"> <li>has received an exemption from, or is automatically exempt from, the requirement to register as a generator; and</li> <li>the Network Service Provider is satisfied is unlikely to cause material degradation in the quality of energy supply to other users.</li> </ul> </li> </ul> <p>Stakeholders are invited to provide written feedback on the draft determination by 19 August 2021.</p> <p>Read more <a href="#">here</a>.</p>
Integrating energy storage systems into the NEM	AEMO	20 August 2020	Consultation on options paper	Deadline passed (11 February 2021)	<p>This rule change request seeks to amend the NER to support the participation of energy storage systems in the NEM.</p> <p>The proposed rule seeks to address issues AEMO has identified with how grid scale batteries, aggregations of smaller batteries, and grid-scale facilities that have a mix of technologies behind the connection point (hybrid facilities), register and participate in</p>

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					<p>the NEM. AEMO suggests that the proposal would increase clarity and transparency for all stakeholders, remove barriers to entry for storage and hybrid facilities, and support the transition to an electricity system where more storage is needed to support variable renewable energy.</p> <p>The proposed rule change would define storage and hybrid facilities so that the NER better recognises storage and connection points with bi-directional flows. Currently, storage assets are treated as both 'load' and 'generation' since they can both consume and send out significant amounts of electricity. This new definition underpins AEMO's proposed solutions for how storage would register in the NEM and participate in dispatch, and also acts as a mechanism to clarify the fees and charges and other obligations that apply to storage.</p> <p>On 20 August 2020, the AEMC published a consultation paper seeking stakeholder feedback on the importance and urgency of these issues, and whether they require a regulatory solution. To the extent these issues are significant and require changes to the NER, the AEMC is also seeking feedback on whether the change needs to include specific definitions and rules for storage and hybrid facilities or whether a level playing field could be achieved through more minimal changes to the existing framework.</p> <p>The AEMC has indicated it will assess the request over a longer period than the standard rule change process, given the complexity of the rule change, its interaction with ESB's post-2025 market design and the difficulties stakeholders face with the current COVID-19 pandemic.</p> <p>Submissions on the consultation paper were due by 15 October 2020.</p> <p>On 3 December 2020 the AEMC extended the time for making a draft determination to 29 April 2021, and on 17 December 2020 the AEMC published an options paper to further engage stakeholders on a number of issues, particularly the participation framework and non-energy costs recovery. Submissions on the options paper were due by 11 February 2021.</p> <p>On 27 April 2021, the AEMC extended the timeframe to make a draft determination until 29 July 2021, to accommodate a request from AEMO for more time to consider potential impacts, particularly on its operating systems and procedures, it had not previously taken into consideration.</p>

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					Read more <a href="#">here</a> .
Access, pricing and incentive arrangements for distributed energy resources (NER and NERR)	SA Power Networks;  Total Environment Centre and Australian Council of Social Service;  St Vincent de Paul Society Victoria	30 July 2020	Consultation on draft determination	Deadline passed (27 May 2021)	<p>This rule change project seeks to amend the NER and NERR to more efficiently integrate distributed energy resources into the grid.</p> <p>The process is a consolidation of three separate rule change requests received by the AEMC in July 2020, being:</p> <ol style="list-style-type: none"> <li>1. <i>Allowing DNSPs to charge for exports to the network</i>, submitted by the St Vincent de Paul Society Victoria;</li> <li>2. <i>Network planning and access for distributed energy resources</i>, submitted by Total Environmental Centre jointly with the Australian Council of Social Services; and</li> <li>3. <i>Access, pricing and incentive arrangements for distributed energy resources</i>, submitted by SA Power Networks.</li> </ol> <p>On 30 July 2020, the AEMC published a single consultation paper seeking stakeholder feedback on all three requests. The AEMC formally consolidated the requests on 12 November 2020 and extended the period of time for making a draft determination to 25 March 2021. The AEMC also formed a technical working group of experts to support continued industry input on the proposed rule changes.</p> <p>On 25 March 2021, the AEMC published a draft determination for more preferable draft rules to amend the NER and NERR. The draft rules represent a major set of reforms focused on the integration of distributed energy resources. Key aspects include:</p> <ul style="list-style-type: none"> <li>• <b>clarifying that distribution services are two-way and include export services:</b> This officially recognises energy export as a service provided by distribution networks and gives consumers greater influence over what and how efficiently export services are delivered. The draft rules propose a framework for consumers, distribution networks and the AER to decide the type and level of services provided.</li> <li>• <b>providing incentives to efficiently invest in, operate and use export services:</b> The AEMC considers that existing incentive frameworks may not result in balanced incentives to networks providing export services. Consequently, the draft rules would require the AER to undertake a review of the service target performance incentive scheme and extend it to export services. The draft rules would also require the AER to develop a method to regularly calculate customer</li> </ul>

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					<p>export curtailment values, which would be used to facilitate network planning and investment decisions for export services.</p> <ul style="list-style-type: none"> <li>• <b>enabling distribution networks to offer two-way pricing for export services:</b> Under the draft rules, distribution networks would be able to reward owners of distributed energy resources for sending power to the grid when needed and charging them for sending power when it is not. The draft rules do not mandate a specific pricing approach, and any decision to implement export pricing would be part of the AER's regulatory process.</li> <li>• <b>allowing flexible pricing solutions at the network level:</b> The draft rules would remove prohibitions on charges for energy exported into the grid and would clarify that networks may create distribution tariffs that include payments to customers. Networks would be required to engage and consult with consumers when developing their tariff structures.</li> </ul> <p>Submissions on the draft determination were due by 27 May 2021. A virtual public forum was held on 20 May 2021 to explain how the reforms are designed to work and answer questions from interested stakeholders.</p> <p>The AEMC has extended the date for publishing the final determination to 12 August 2021, to allow for a full exploration of the substantial number of diverse views submitted during the consultation period.</p> <p>Read more <a href="#">here</a>.</p>
Synchronous services markets	Hydro Tasmania	2 July 2020	Preparation of draft determination	Deadline passed (13 August 2020)	<p>This rule change request seeks to amend the NER to create a market for 'synchronous services', including inertia, voltage control and fault level/system strength.</p> <p>The Hydro Tasmania rule change request seeks to address the shortage of 'inertia and related services' in the NEM by integrating the dispatch of a 'synchronous service' with the existing energy and frequency control ancillary services (<b>FCAS</b>) spot markets. It proposes to do this by changing the formulation of the constraints that are applied to the NEM dispatch engine. These reformulated constraints would allow the dispatch engine to find the lowest overall cost combination of synchronous services and non-synchronous generation to deliver lower overall costs for consumers.</p> <p>This will be achieved through the following:</p> <ul style="list-style-type: none"> <li>• amending the NER to create a new generator category of synchronous service</li> </ul>

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					<p>generator (<b>SSG</b>) to allow AEMO to move the relevant generator's online status to the output side of AEMO's constraint equation;</p> <ul style="list-style-type: none"> <li>• having generators provide two additional fields in their spot markets bids to AEMO indicating cost and availability of synchronising units online;</li> <li>• paying generators based on their bid price for providing synchronous services rather than the spot price;</li> <li>• dispatching SSGs if doing so provided lower priced outcomes for consumers compared to the constraint binding; and</li> <li>• AEMO publishing two prices for each service, one including the cost of SSGs and one without.</li> </ul> <p>On 2 July 2020, the AEMC published a single consultation paper titled '<i>Systems Services Rule Changes</i>' seeking stakeholder feedback on this, and five other rule change requests relating to system services. The AEMC wishes to initiate the rule change requests together in order to allow stakeholders to comment on and consider the interactions between issues raised in relation to the different system services and solutions proposed. The AEMC has not yet consolidated the requests and they may be considered separately going forward.</p> <p>Submissions on the consultation paper were due by 13 August 2020.</p> <p>On 17 June 2021, the AEMC extended the timeframe to make a draft determination until 16 December 2021. The additional time will allow the AEMC to consider the implications of various policy options while collaborating with other market bodies and stakeholders, and to consider interrelated rule change requests (eg Capacity Commitment Mechanism – EC0306), in addition to the wider ESB post-2025 work program.</p> <p>A joint policy directions paper for both this rule change request and the Capacity Commitment Mechanism rule change request will be published on 2 September 2021.</p> <p>Read more <a href="#">here</a>.</p>
Operating reserve market	Infigen Energy Limited	2 July 2020	Preparation of draft determination	Deadline passed (11 February 2021)	<p>This rule change request seeks to amend the NER to introduce a dynamic operating reserve market to operate alongside the existing NEM spot and FCAS markets to help respond to unexpected changes in supply and demand. Infigen argues that the current NEM design no longer offers sufficient incentives to deliver enough or the right type of reserves to respond to today's contingencies.</p>

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					<p>The proposed operating reserve market comprises a dispatchable, raise-only service procured similar to contingency FCAS services in real-time and co-optimised with the other energy market services. The proposed operating reserves' main features are that:</p> <ul style="list-style-type: none"> <li>operating reserves could be procured at all times, or only during times of sufficiently tight supply/demand;</li> <li>the volume would be set by the Reliability Panel or through guidelines and procedures;</li> <li>reserves could be procured 30 minutes ahead of time (with a 15-minute call time) to align with the requirement to return the system to a secure operating state within 30 minutes;</li> <li>any plant capable of producing operating reserves within the 30-minute timeframe would be eligible;</li> <li>resources enabled in the operating reserve market would be withdrawn from the energy market until called upon by AEMO in response to certain reliability criteria;</li> <li>reserves would be paid the marginal 'availability' price when called (with the market price cap applied); and</li> <li>operating reserves would be co-optimised such that the incentives of offering operating reserves would not adversely impact the spot market, the forward contract market or associated activities and commitments of plant offering reserves.</li> </ul> <p>On 2 July 2020, the AEMC published a single consultation paper titled '<i>Systems Services Rule Changes</i>' seeking stakeholder feedback on this, and five other rule change requests relating to system services. The AEMC wishes to initiate the rule change requests together in order to allow stakeholders to comment on and consider the interactions between issues raised in relation to the different system services and solutions proposed. The AEMC has not yet consolidated the requests and they may be considered separately going forward.</p> <p>Submissions on the consultation paper were due by 13 August 2020.</p> <p>On 24 September 2020, the AEMC extended the timeframe to make a draft determination until 24 June 2021, to enable it to better align the work with the ESB's market design project and prioritise more urgent system security issues.</p>

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					<p>On 5 January 2021, the AEMC published a directions paper relating to both this rule change request as well as Delta Electricity's <i>Introduction of ramping services</i> rule change request (see below). The directions paper assesses the ability of the current market frameworks to address variability and uncertainty in power system conditions and outlines high-level designs for four options to procure reserve services. Submissions in response to the directions paper were due by 11 February 2021.</p> <p>The AEMC held a technical working group meeting on 22 April 2021, to present and discuss modelling commissioned to provide insights into the potential for a reserve service to benefit customers.</p> <p>On 16 June 2021, the AEMC further extended the timeframe to release a draft determination until 9 December 2021. The additional time will allow the AEMC to consult with stakeholders on whether it would be in the long-term interests of consumers to unbundle the provision of operating reserves from the energy market where they are currently implicitly provided, as well as to undertake complex modelling and obtain further technical advice from AEMO.</p> <p>Read more <a href="#">here</a>.</p>
Fast frequency response market ancillary service	Infigen Energy Limited	2 July 2020	Consultation on draft determination	Deadline passed (3 June 2021)	<p>This rule change request seeks to amend the NER to introduce two new ancillary service markets for fast frequency response (<b>FFR</b>) to efficiently manage power system risks associated with reduced system inertia.</p> <p>On 22 April 2021, the AEMC published a draft determination that is consistent with the solution proposed by Infigen Energy, which would introduce two new market ancillary services categories into the NER:</p> <ol style="list-style-type: none"> <li>1. a very fast raise service; and</li> <li>2. a very fast lower service.</li> </ol> <p>The proposed markets arrangements would operate similarly to those for existing fast raise and fast lower services, including in respect of registration, scheduling, dispatch, pricing, settlement and cost allocation, but would operate more quickly in order to arrest rapid changes in system frequency that can occur under low inertia operation.</p> <p>Under the draft rule:</p> <ul style="list-style-type: none"> <li>• AEMO would revise the market ancillary services specifications within 18</li> </ul>

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					<p>months from the date the rule is made to detail the description and performance parameters for the very fast raise and lower services; and</p> <ul style="list-style-type: none"> <li>the FFR market ancillary service arrangements would commence within three years from the date the rule is made.</li> </ul> <p>Submissions in response to the draft rule determination were due by 3 June 2021.</p> <p>Read more <a href="#">here</a>.</p>
Efficient management of system strength on the power system	TransGrid	2 July 2020	Consultation on draft determination	Deadline passed (17 June 2021)	<p>This rule change request by TransGrid seeks to abolish the 'do no harm' obligation and amend the minimum system strength requirements in the NER to allow for TNSPs to be more proactive in the provision of system strength in the NEM.</p> <p>On 29 April 2021, the AEMC published a draft determination to make a more preferable draft rule, which would evolve and improve the existing frameworks for provision of system strength that were introduced in 2017.</p> <p>The draft rule proposes three main elements, which are each relevant to the supply, coordination and demand for system strength:</p> <ul style="list-style-type: none"> <li><b>Supply side:</b> Working closely with AEMO, TNSPs would be responsible for providing efficient levels of system strength services over a forward-looking basis as a prescribed transmission service. TNSPs would be required to meet system strength planning standards at certain locations on their transmission networks.</li> <li><b>Coordination:</b> Customers with inverter-based resources (<b>IBR</b>) would have the choice between paying to use the system strength provided by TNSPs or providing their own system strength to remediate their impact. Through this mechanism, parties bearing the initial cost of providing system strength services through IBR would recover this cost over time from connecting parties.</li> <li><b>Demand side:</b> The draft rules prescribe new access standards to ensure that connecting parties with IBR would only use efficient volumes of the valuable pool resource. By enabling generators to undertake actions to reduce the system strength they require (ie investing in IBR), this element also underpins the coordination measures.</li> </ul> <p>On 6 May 2021, a webinar briefing was held to discuss the draft rule's rationale and contents with stakeholders. Submissions in response to the draft rule determination were due by 17 June 2021. The AEMC expects to release a final determination on 29</p>

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					<p>July 2021.</p> <p>Read more <a href="#">here</a>.</p>
Capacity commitment mechanism for system security and reliability services	Delta Electricity	2 July 2020	Preparation of draft determination	Deadline passed (13 August 2020)	<p>This rule change request seeks to amend the NER to introduce an ex-ante, day ahead capacity commitment mechanism and payment to provide access to operational reserves and other required system security or reliability services.</p> <p>Delta Electricity argues that as periods of low spot market prices increase, non-peaking dispatchable capacity will seek to minimise financial losses by decommitting capacity under high variable renewable energy (<b>VRE</b>) conditions. This means that the decommitted plant would be unavailable, as and when required to meet energy and system services needs and as a result the NEM will more frequently experience periods of shortfalls in system security and reliability services.</p> <p>The proposed capacity commitment mechanism would provide a payment to keep non-peaking dispatchable generators online at their minimum safe operating level (<b>MSOL</b>) should they be needed for system security and reliability purposes based on AEMO forecasts during the pre-dispatch process.</p> <p>Key components of the capacity commitment mechanism are:</p> <ul style="list-style-type: none"> <li>day-ahead commitment of dispatchable capacity, at a level set by AEMO to ensure peak demand (excluding VRE) can be reliably met;</li> <li>the in-service dispatch capability will be drawn on to respond to rapid changes in VRE and would be paid whenever it is dispatched at MSOL; and</li> <li>generators would guarantee to commit their coal/gas fired boiler synchronous units for either an entire day or for specific trading intervals during the day rather than via a half-hour ahead market for reserve.</li> </ul> <p>On 2 July 2020, AEMC published a single consultation paper titled '<i>Systems Services Rule Changes</i>' seeking stakeholder feedback on this, and five other rule change requests relating to system services. The AEMC wishes to initiate the rule change requests together in order to allow stakeholders to comment on and consider the interactions between issues raised in relation to the different system services and solutions proposed. The AEMC has not yet consolidated the requests and they may be considered separately going forward. Submissions on the consultation paper were due by 13 August 2020.</p>

Rule Name	Proponent	Initiation Date	Stage	Deadline for Submissions	Summary of Request
					<p>On 18 March 2021, the AEMC extended the timeframe to make a draft determination until 24 June 2021 to allow sufficient time to develop and consult on the commitment mechanism and further consider the complexity of the proposal. This decision will also allow for effective coordination between the AEMC's work program and the ESB's Post 2025 Market Design program.</p> <p>On 17 June 2021, the AEMC further extended the timeframe to make a draft determination until 16 December 2021. This extension will allow the AEMC to consult with stakeholders on policy design challenges and interrelationships with other rule changes (eg <i>Synchronous Services Market</i> – ERC0290), as well as the wider ESB post-2025 work program.</p> <p>A joint policy directions paper for both this rule change request and the <i>Synchronous Services Market</i> rule change request will be published on 2 September 2021.</p> <p>Read more <a href="#">here</a>.</p>
Introduction of ramping services	Delta Electricity	2 July 2020	Preparation of draft determination	Deadline passed (11 February 2021)	<p>This rule change request seeks to amend the NER to introduce a 30-minute raise and lower 'ramping' service using the existing framework for FCAS market design to respond to changes in output from variable renewable electricity generators.</p> <p>Delta Electricity suggests a ramping service would address the price volatility that exists when dispatchable generators ramp through their energy bid stacks in response to predictable, daily, high rates of change from solar ramping up and down.</p> <p>Key features of the proposed services and framework include the following:</p> <ul style="list-style-type: none"> <li>the services would be procured from dispatchable in-service generators;</li> <li>the services would be procured through a similar dispatch and settlement process to existing FCAS raise and lower services but with the provision for generators to offer (perhaps three) incremental rates of change at different prices;</li> <li>AEMO would determine the 30 minute ramping requirement in pre-dispatch;</li> <li>AEMO would determine eligible generators based on their ability to provide the new services; and</li> <li>participants in this service would not be prevented from bidding into the other FCAS markets as long as they can comply with the associated obligations of each market.</li> </ul>

Rule Name	Proponent	Initiation Date	Stage	Deadline for Submissions	Summary of Request
					<p>On 2 July 2020, AEMC published a single consultation paper titled '<i>Systems Services Rule Changes</i>' seeking stakeholder feedback on this, and five other rule change requests relating to system services. The AEMC wishes to initiate the rule change requests together in order to allow stakeholders to comment on and consider the interactions between issues raised in relation to the different system services and solutions proposed. The AEMC has not yet consolidated the requests and they may be considered separately going forward. Submissions on the consultation paper were due by 13 August 2020.</p> <p>On 24 September 2020, the AEMC extended the timeframe to make a draft determination until 24 June 2021, to enable it to better align the work with the ESB's market design project and prioritise more urgent system security issues.</p> <p>On 5 January 2021, the AEMC published a directions paper relating to both this rule change request as well as Infigen Energy's <i>Operating reserves market</i> rule change request (see above). The directions paper assesses the ability of the current market frameworks to address variability and uncertainty in power system conditions and outlines high-level designs for four options to procure reserve services. Submissions to the directions paper were due by 11 February 2021.</p> <p>The AEMC held a technical working group meeting on 22 April 2021, to present and discuss modelling commissioned to provide insights into the potential for a reserve service to benefit customers.</p> <p>On 16 June 2021, the AEMC further extended the timeframe to make a draft determination until 9 December 2021. The additional time will allow the AEMC to consult with stakeholders on whether it would be in the long-term interests of consumers to unbundle the provision of operating reserves from the energy market where they are currently implicitly provided, as well as to undertake complex modelling and obtain further technical advice from AEMO.</p> <p>Read more <a href="#">here</a>.</p>
Compensation for market participants affected by	AEMO	11 June 2020	Consultation on draft determination	Deadline passed (5 November 2020)	<p>This rule change request is a consolidation of two requests submitted by AEMO which relate to the compensation payable to participants affected by an AEMO intervention event. The rule change request seeks to:</p> <ul style="list-style-type: none"> <li>include losses related to market ancillary services in the list of factors that can</li> </ul>

Rule Name	Proponent	Initiation Date	Stage	Deadline for Submissions	Summary of Request
intervention events					<p>be considered when determining additional compensation claims lodged by affected participants; and</p> <ul style="list-style-type: none"> <li>• amend the way that compensation is calculated for market customers with scheduled loads which are dispatched differently as a result of an AEMO intervention event.</li> </ul> <p>On 11 June 2020, the AEMC published a consultation paper seeking to understand a number of issues in relation to AEMO's proposed rule change, including:</p> <ul style="list-style-type: none"> <li>• whether affected participant compensation should encompass losses associated with frequency control ancillary services (<b>FCAS</b>) in addition to losses associated with electricity; and</li> <li>• whether 'BidP', an input in the formula used to calculate compensation for scheduled loads, should be amended so it refers to the highest priced band from which the scheduled load is dispatched.</li> </ul> <p>Submissions on the consultation paper were due by 16 July 2020.</p> <p>On 24 September 2020, the AEMC made a draft determination to make a more preferable draft rule. The draft rule would incorporate FCAS into the automatic process of calculating compensation. It would also modify the way compensation is calculated for scheduled loads when an intervention impacts how much they pay for energy, to address the current potential for scheduled loads to be under or overcompensated. Submissions on the draft rule and determination were due by 5 November 2020.</p> <p>On 3 December 2020, the AEMC extended the time for making the final determination to 5 August 2021, due to the complexity of the issues raised in response to the draft determination and to enable coordination with the final rule on <i>Integrating energy storage systems into the NEM</i> (see above).</p> <p>On 3 June 2021, the AEMC further extended the timeframe for making a final determination until 4 November 2021. This will allow for continued coordination with the final rule on <i>Integrating energy storage systems into the NEM</i>, which was extended on 27 April 2021. A directions paper is intended to be published by 29 July 2021, setting out the proposed approach to the final rule and allowing for further consultation.</p> <p>Read more <a href="#">here</a>.</p>

Rule Name	Proponent	Initiation Date	Stage	Deadline for Submissions	Summary of Request
Connection to dedicated connection assets	AEMO	5 March 2020	Preparation of final determination	Deadline passed (28 January 2021)	<p>This rule change request seeks to amend the NER to clarify current arrangements for transmission connections to a dedicated connection asset (<b>DCA</b>).</p> <p>DCAs connect a party to the shared transmission system at a single connection point. Although multiple facilities may be connected to the same shared DCA, current connection arrangements assign only one financially responsible market participant (<b>FRMP</b>) to a single DCA connection point and this FRMP must comply with the relevant NER requirements.</p> <p>AEMO is concerned that the current arrangements create the following issues:</p> <ul style="list-style-type: none"> <li>• difficulties with negotiating and enforcing an overall performance standard for all facilities connected to a DCA;</li> <li>• settlement issues due to the absence of metering installations for each connected facility; and</li> <li>• inability to determine marginal loss factors for individual generators.</li> </ul> <p>This rule change request seeks to create additional (and separate) connection points and metering installations at the point where each facility connects to a DCA to enable key NER requirements and obligations to apply to each connected party.</p> <p>As part of the request AEMO has also suggested it may be appropriate to revisit the differentiation between 'small' and 'large' DCAs in the third party access regime.</p> <p>On 5 March 2020, the AEMC published a consultation paper on the rule change request. Submissions on the rule change request were due 2 April 2020.</p> <p>On 26 November 2020, the AEMC made a draft determination to make a more preferable draft rule. This draft rule introduces a new framework for 'designated network assets' (<b>DNAs</b>), which will replace the current arrangements for large DCAs.</p> <p>The key features of this draft rule include:</p> <ul style="list-style-type: none"> <li>• <b>application of existing NEM arrangements at individual connection points</b> – DNAs will form part of the transmission network operated by a Primary TNSP so that each facility connected to a designated network asset will have its own connection point. This will allow all key NER requirements to be applied directly to individual connected parties;</li> <li>• <b>application of a special third-party access regime</b> – DNAs will not be subject</li> </ul>

Rule Name	Proponent	Initiation Date	Stage	Deadline for Submissions	Summary of Request
					<p>to the open access regime that applies elsewhere on the transmission network; instead Primary TNSPs must put access policies in place to protect the access rights of participants funding the provision of DNAs. However, these access protections will only apply to radial transmission assets and between the connection point and single 'boundary point' where the DNA joins a Primary TNSP's wider transmission network; and</p> <ul style="list-style-type: none"> <li>• <b>contestability and contractual arrangements</b> – the Primary TNSP is responsible for operating and maintaining DNAs; however, DNAs can be contestably designed, constructed and owned. The draft rule also removes two restrictions that currently limit the scope for competition, in the form of a monetary threshold and third-party ownership restriction.</li> </ul> <p>Submissions on the draft determination, including the more preferable draft rule, were due by 28 January 2021. In response to stakeholder submissions that requested further clarification on certain aspects of the draft rule, the AEMC has extended the time for making a final rule until 8 July 2021.</p> <p>Read more <a href="#">here</a>.</p>
Primary frequency response incentive arrangements	AEMO	19 September 2019	Consultation on directions paper	Deadline passed (4 February 2021)	<p>This rule change request seeks to amend the NER to address perceived disincentives to the voluntary provision of primary frequency response (<b>PFR</b>) by participants in the NEM. This is one of three rule change requests that relate to the frequency control arrangements in the NEM. The other two rule changes were submitted by Peter Sokolowski and by AEMO and have now been finally determined (see below).</p> <p>AEMO identified a number of aspects of the NER that are perceived to be distinctives to the voluntary provision of PFR (eg, AEMO considers there is a perception that the NER only requires generators to provide PFR when they are enabled to provide a frequency control ancillary service).</p> <p>On 19 December 2019, the AEMC extended the period of time for making the draft determination to 24 September 2020.</p> <p>On 2 July 2020, the AEMC published consultation paper titled '<i>Systems Services Rule Changes</i>' seeking stakeholder feedback six other rule change requests relating to system services. This consultation paper also included an update on the status of this AEMO rule change request and sought stakeholders' views on the directions for this project. Submissions on the consultation paper were due by 13 August 2020.</p>

Rule Name	Proponent	Initiation Date	Stage	Deadline for Submissions	Summary of Request
					<p>On 24 September 2020, the AEMC extended the timeframe to make a draft determination until 16 September 2021, to allow AEMO to undertake further work to understand the operational and economic impacts of incentive or market-based provision of continuous primary frequency response. AEMO's advice, which is expected in June 2021, will inform whether and how new incentive arrangements could complement or replace the '<i>Mandatory primary frequency response</i>' rule which was introduced in in June 2020.</p> <p>On 17 December 2020, the AEMC published a directions paper in relation to this rule change request and Infigen Energy's <i>Fast frequency response market ancillary service</i> rule change request (see above).</p> <p>Submissions in response to the directions paper were due by 4 February 2021. The AEMC intends to publish a draft determination by 16 September 2021.</p> <p>Read more <a href="#">here</a>.</p>

## Completed Rule Changes

Rule Name	Commencement Date	Amending Rule	Date of Final Determination	Details
Final rule determinations (since last update 1 May 2021)				
NEM settlement under low, zero and negative demand conditions	1 September 2021 (Schedule 1) 1 October 2021 (Schedule 2)	NER 2021 No. 6	17 June 2021	<p>The final rule introduces a new clause 3.15.6AA, which requires AEMO to substitute into non-energy cost allocation formulas a market customer's average adjusted gross energy (<b>AGE</b>) from the four most recent completed billing periods, in place of that customer's actual AGE when aggregate AGE in a region is below 150 MWh in a trading interval.</p> <p>The rule aims to address the risks to NEM settlement that exist in low, zero or negative demand circumstances under the current Rules. Settlement risk has been increasing in recent years, due to a decline in minimum operational demand across the NEM, and AEMO now anticipates that South Australia could experience negative demand in a trading period by spring 2021.</p> <p>The final rule also reduces the risk that market customers with:</p> <ul style="list-style-type: none"> <li>net negative loads will receive payments; and</li> <li>net positive loads will pay disproportionately high non-energy costs,</li> </ul> <p>during trading intervals of low, zero or negative net regional demand.</p> <p>This final rule is a temporary solution to the settlement and payment risks that arise in low, zero or negative demand conditions. A longer-term solution that involves gross energy flows will be provided by further NEM rule changes in relation to the integration of energy storage solutions.</p> <p>Read more <a href="#">here</a>.</p>
Prioritising arrangements for system security during market suspension	N/A – rule not made	N/A	17 June 2021	<p>The AEMC released a final determination to not make the proposed rule change. The rule change request sought to clarify the applicability of the NER during periods of market suspension and provide AEMO with an appropriate level of flexibility to prioritise arrangements for system security during these periods.</p> <p>The AEMC considered that the proposed rule change would not have contributed to the achievement of the National Electricity Objective, consistent with stakeholder feedback on the draft determination. The AEMC was also of the view that the NER are clear that all rules apply during a period of market suspension, unless otherwise stated in the</p>

				<p>NER, and that clarifying this within the NER itself could create a precedent where the NER's applicability would need to be explicitly set out for each varied market or system condition.</p> <p>Additionally, the AEMC considered that circumstances had changed since the rule change request was originally submitted: namely, that AEMO has implemented the recommendations made by the AER in its Black System Event Compliance Report. Also, since the AER already takes into consideration all relevant facts and circumstances when undertaking compliance reviews, the AEMC found that the existing regime was appropriate and there was no need to attempt to foresee extreme or rare events, and alter the NER to accommodate such events.</p> <p>Read more <a href="#">here</a>.</p>
Implementing a general power system risk review	3 June 2021 (Schedule 2) 10 January 2022 (Schedule 1)	NER 2021 No. 5	3 June 2021	<p>The final rule replaces the existing Power System Frequency Risk Review (<b>PFSRR</b>) with the General Power System Risk Review (<b>GPSRR</b>). The GPSRR will be an annual review requiring AEMO and NSPs to identify and assess potential risks to power system security that are likely to lead to cascading outages or major supply disruptions. The AEMC considers that the need for regular, comprehensive review of the risk and resilience profile of the power system is vital as the generation mix transitions.</p> <p>The rule will require AEMO to complete the last PFSRR by 31 July 2022, and complete the first GPSRR by 31 July 2023.</p> <p>Read more <a href="#">here</a>.</p>
Other rules not yet commenced				
Semi-scheduled generator dispatch obligations	11 March 2021 (Schedule 4) 12 April 2021 (Schedule 1) 1 October 2021 (Schedule 2) 24 October 2021 (Schedule 3)	NER 2021 No. 2	11 March 2021	<p>This more preferable final rule amends the NER to require semi-scheduled generators to comply with a MW dispatch level, contained in a dispatch instruction issued by AEMO, for all dispatch intervals.</p> <p>A semi-scheduled generator is considered to have complied with its dispatch level, if:</p> <ul style="list-style-type: none"> <li>it only varies from the dispatch level as a result of energy source availability; and</li> <li>in the case of a 'semi-dispatch interval', it does not exceed the dispatch level regardless of its energy source availability.</li> </ul> <p>The effect of this final rule is that semi-scheduled generating units will be required to follow their available resource except during a semi-dispatch interval, when output is also limited to the cap specified by AEMO.</p> <p>The final rule also includes supporting changes, including a housekeeping amendment</p>

				<p>to the definition of 'inflexible, inflexibility' to capture semi-scheduled generators and a transitional requirement for AEMO to update any relevant power system operating procedure to take into account the rule change.</p> <p>Read more <a href="#">here</a>. For further analysis of the potential impacts of this rule change regarding power purchase agreements, see <a href="#">here</a>.</p>
Bill contents and billing requirements	<p>1 April 2022 (Schedule 2 – AER to publish billing guideline)</p> <p>4 August 2022 (Schedule 1 – Retailers required to comply)</p>	NERR 2021 No. 2	18 March 2021	<p>This more preferable final rule requires retailers to comply with an AER mandatory guideline containing billing requirements (the <b>Billing Guideline</b>). The rule aims to simplify energy bills to enable households and small business to better understand and manage their energy usage and costs.</p> <p>The final rule:</p> <ul style="list-style-type: none"> <li>• includes a bill objective, setting out the purpose of an energy bill;</li> <li>• requires the AER to make a Billing Guideline, which will replace the current bill information requirements in rule 25(1) of the NERR;</li> <li>• outlines principles for the AER to take into account in making and amending the Billing Guideline;</li> <li>• allows the AER to specify in the Billing Guideline the types of billing information that a retailer must provide and whether information of different types may be provided to a small customer by different delivery methods with their consent; and</li> <li>• removes the obligations on retailers regarding electricity consumption benchmarks in rule 170 of the NERR (noting the AER may choose to include these or similar obligations in the Billing Guideline).</li> </ul> <p>The AEMC considers that the introduction of a Billing Guideline will simplify and increase transparency of energy bills, while also delivering a regulatory framework that is adaptable over time and reflects the variety of offers and consumer preferences in the market.</p> <p>The final rule establishes a 12-month time frame for the AER to develop and publish, by 1 April 2022, the first Billing Guideline, which retailers will be required to comply with from 4 August 2022.</p> <p>Read more <a href="#">here</a>.</p>
Technical standards for distributed energy resources	<p>4 March 2021</p> <p>18 December 2021</p>	NER 2021 No. 1	25 February 2021	<p>This more preferable final rule amends the NER to require all new or replacement micro embedded generators (primarily rooftop solar systems) connecting to distribution networks to be compliant with the DER Technical Standards.</p> <p>The final rule creates a definition of DER Technical Standards that incorporates</p>

				<p>Australian Standard AS 4777.2:2020, as updated from time to time, into the NER. AS 4777.2 specifies minimum performance and safety requirements for the design, construction and operation of inverters intended for grid connection of energy systems. Consequently, the AEMC will be the body responsible for the management of the DER Technical Standards.</p> <p>The final rule requires that:</p> <ul style="list-style-type: none"> <li>• model standing offers for basic micro embedded generator connection services for embedded generating units;</li> <li>• information required to negotiate the connection of embedded generating units; and</li> <li>• the minimum content requirements of connection offers for embedded generating units the subject of basic micro EG connection services,</li> </ul> <p>be compliant with the DER Technical Standards.</p> <p>In making this more preferable final rule, the AEMC chose not to include a new high-level definition of DER in the NER, but instead use the current NER definition of 'micro embedded generators', which, it believes, would cover rooftop solar systems, and may also apply to other devices such as residential batteries and electric vehicles.</p> <p>To avoid the need for transitional requirements, the commencement date of the rule (18 December 2021) has been aligned with the date that AS 4777.2:20 comes into effect.</p> <p>Read more <a href="#">here</a>.</p>
Maintaining life support customer registration when switching	4 March 2021 1 August 2021	NERR 2021 No. 1	25 February 2021	<p>This rule change amends the NERR applying to the regulation of life support customers in the retail electricity market.</p> <p>The NERR requires retailers and DNSPs to register premises that have a person using life support equipment (such as an oxygen concentrator or kidney dialysis machine) that relies on electricity to operate. An existing life support customer was previously required to resubmit medical information to a retailer or DNSP when they switch energy providers or move premises. The amending rule enables life support customers to receive back and re-utilise their valid medical confirmation previously submitted to the outgoing registration process owner (<b>RPO</b>), for the purpose of providing medical confirmation to the new RPO when changing retailer or distribution network service provider. To be valid, the previously used medical confirmation must be dated less than 4 years ago and be legible.</p> <p>Key components of the rule are:</p>

				<ul style="list-style-type: none"> <li>• an entitlement for customers to reuse valid medical confirmations that were submitted to the outgoing RPO, for the purpose of providing medical confirmation to the incoming RPO;</li> <li>• a requirement for the incoming RPO to inform the customer that they may reuse a valid medical confirmation provided to their previous retailer or DNSP, for the purpose of registering their premises with the incoming RPO;</li> <li>• a requirement for the outgoing RPO to return the customer's medical confirmation, within 15 business days of the customer's request (subject to privacy legislation). The obligation is only binding on the RPO if the request takes place within 110 business days of the person ceasing to be a customer for the registered premises;</li> <li>• a requirement on RPOs to retain medical confirmation for the period of time the person remains a customer for the registered premises and for 110 business days after the person has ceased to be a customer for the registered premises; and</li> <li>• updates to the definition of 'medical confirmation' to clarify that a medical certificate may be used to provide medical confirmation.</li> </ul> <p>Read more <a href="#">here</a>.</p>
Wholesale demand response mechanism	<p>31 March 2021 (Rule 3.7D – Demand side participation)</p> <p>24 October 2021 (Chapters 1, 2, 3, 4, 4A, 7, 10)</p>	NER 2020 No. 9	11 June 2020	<p>This final rule and determination set out a series of changes to the NER to facilitate a wholesale demand response mechanism in the NEM, responding to one of the recommendations from the AEMC's recent Reliability Frameworks Review.</p> <p>Under the final rule, a new category of market participant, a Demand Response Service Provider (<b>DRSP</b>), will be able to submit demand response offers to the wholesale market that will be scheduled in a manner similar to bids from generators. The DRSP will receive the spot price for the reduction in demand which it would then share with its customers.</p> <p>The mechanism introduced under the final rule is designed to provide greater opportunities for large customers to participate in the wholesale market by bidding in demand reductions as a substitute for generation, thereby unlocking under-utilised demand response in the NEM. The mechanism will promote greater demand side transparency, as well as price and reliability-related benefits.</p> <p>On 11 June 2020, AEMO also published a high level design to assist stakeholders in understanding the implementation of the wholesale demand response mechanism.</p> <p>The AEMC also determined that a retail rule change to the NERR was unnecessary, as the new mechanism does not extend to small customers.</p> <p>Read more <a href="#">here</a>.</p>

Mandatory primary frequency response	26 March 2020 4 June 2020 4 June 2023	NER 2020 No. 5	26 March 2020	<p>This rule requires all scheduled and semi-scheduled generators to support the secure operation of the power system by responding automatically to changes in power system frequency. The rule is designed to improve frequency control in the NEM.</p> <p>Key aspects of the rule include:</p> <ul style="list-style-type: none"> <li>all scheduled and semi-scheduled generators, who have received a dispatch instruction to generate to a volume greater than 0 MW, must operate their plant in accordance with the performance parameters set out in the primary frequency response requirements (<b>PFRR</b>) as applicable to that plant;</li> <li>AEMO must consult on and publish the PFRR; and</li> <li>generators may request and AEMO may approve variations or exemptions to the PFRR for individual generating plant.</li> </ul> <p>This final determination relates to two rule change requests, one from AEMO and the other from private individual Dr Peter Sokolowski, which were consolidated in December 2019.</p> <p>Read more <a href="#">here</a>.</p>
Minor changes 2020	19 March 2020 6 February 2022	NER 2020 No. 3	12 March 2020	<p>The rule corrects minor errors and makes non-material changes to the NER.</p> <p>The change to clause 3.15.5 of the NER will commence on 6 February 2022. All other changes to Chapters 3, 5 and 11 of the NER commenced on 19 March 2020.</p> <p>Read more <a href="#">here</a>.</p>
Five-minute settlement and global settlement implementation amendments	12 August 2019 (amendments to the spot market operations timetable and transitional arrangements)  1 October 2021 (commencement of the amendments relating to the five-minute settlement rule) (delayed from 1 July 2021)	NER 2019 No. 7	8 August 2019	<p>This rule amends nine areas of the NER to assist in implementing the five-minute settlement and global settlement rule changes. For context:</p> <ul style="list-style-type: none"> <li>The five-minute settlement rule change is due to commence on 1 October 2021 (delayed from 1 July 2021). AEMO and NEM participants must make changes prior to the commencement date such as upgrading metering to provide the required data and updating IT systems to store and process the required data.</li> <li>The global settlement rule is due to commence on 1 May 2022 (delayed from 6 February 2022). This rule change provides that every retailer is billed for the loss-adjusted metered electricity that is consumed within their area by customers. Currently, only the local retailer is billed for this.</li> </ul> <p>Regarding wholesale market operations for five-minute settlement, the rule:</p> <ul style="list-style-type: none"> <li>enables AEMO to calculate Marginal Loss Factors using 30 minute or shorter resolution data intervals;</li> </ul>

	1 May 2022 (commencement of the amendments relating to the global settlement and market reconciliation rule) (delayed from 6 February 2022)			<ul style="list-style-type: none"> <li>provides for fast-start inflexibility profiles in pre-dispatch; and</li> <li>provides that the Reliability Standard and Settings Guidelines need not be amended as part of the transitional arrangements for five-minute settlement.</li> </ul> <p>Regarding global settlement, the rule clarifies that:</p> <ul style="list-style-type: none"> <li>non-contestable unmetered loads are to be assigned to the most appropriate Transmission Node Identified (<b>TNI</b>) or Virtual Transmission Node (<b>VTN</b>);</li> <li>retailers do not have financial responsibility at a transmission or distribution boundary point;</li> <li>customer loads are market loads; and</li> <li>Unaccounted for Energy (<b>UFE</b>) will not be allocated to distribution-connected generators.</li> </ul> <p>Regarding information provision, the rule:</p> <ul style="list-style-type: none"> <li>provides that AEMO need not run a Rules Consultation process when making minor or administrative amendments to the spot market operations timetable; and</li> <li>amends the period during which metering data providers must provide AEMO with data so that, before global settlement commences, AEMO can publish information about the potential UFE liability that market customers will be subject to.</li> </ul> <p>The <i>Delayed implementation of five minute and global settlement</i> rule change in July 2020 delayed commencement of these amendments, as well as the <i>Global settlement and market reconciliation</i> and <i>Five-Minute Settlement</i> rules discussed below, to account for the impacts of the COVID-19 pandemic.</p> <p>Read more <a href="#">here</a>.</p>
Global settlement and market reconciliation	13 December 2018  1 May 2022 (delayed from 6 February 2022)	NER 2018 No. 14	6 December 2018	<p>This AEMO-initiated rule change introduces a new framework for settling the demand side of the wholesale NEM, using a 'global settlement' framework instead of the current 'settlement by difference' approach.</p> <p>Global settlement was set to have a 'soft start' date of 1 July 2021 followed by full commencement on 6 February 2022. However, these dates were pushed back by the <i>Delayed implementation of five minute and global settlement</i> rule change so that the soft start is now scheduled for 1 October 2021 and full commencement will occur on 1 May 2022.</p> <p>Read more <a href="#">here</a>.</p>
Five-Minute Settlement	19 December 2017  1 October 2021	NER 2017 No. 15	28 November 2017	<p>This rule amends the NER to reduce the settlement interval from 30 minutes to five minutes. As a result, the spot price for electricity on the wholesale market will be</p>

	(delayed from 1 July 2021)			<p>determined for each five minute trading interval instead of the average of dispatch prices across a 30-minute timeframe. This change aligns the operational dispatch and financial settlement periods, with a view to encouraging contestability of demand response technology and improving incentives for more efficient generation.</p> <p>Five minute settlement was originally set to fully commence on 1 July 2021; however this start date was delayed to 1 October 2021 by the <i>Delayed implementation of five minute and global settlement</i> rule change.</p> <p>Read more <a href="#">here</a>.</p>
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# > National Gas Rules

## Rule Change Requests

Rule Name	Proponent	Initiation Date	Stage	Deadline for Submissions	Summary of Request
New rule change requests (since last update 1 June 2021)					
There have been no new rule change requests since the last update.					
Existing rule change requests (as at last update 1 June 2021)					
There are no existing rule change requests since the last update.					

## Completed Rule Changes

Rule Name	Commencement Date	Amending Rule	Date of Final Determination	Details
Final rule determinations (since last update 1 June 2021)				
There have been no new final rule determinations since the last update.				
Other rules not yet commenced				
DWGM simpler wholesale price	19 March 2020 31 March 2020 1 January 2023	NGR 2020 No. 2	12 March 2020	<p>This more preferable final rule amends the NGR to simplify wholesale pricing in relation to the Victorian Declared Wholesale Gas Market (<b>DWGM</b>) by:</p> <ul style="list-style-type: none"> <li>requiring that when AEMO produces pricing schedules, which determine market prices, it takes into account any transmission constraints that affect withdrawals of gas at system withdrawal points at which withdrawal bids may be made; and</li> <li>removing the link between authorised maximum daily quantity (<b>AMDQ</b>) or capacity certificates and uplift payments, so that a congestion uplift category is no longer required.</li> </ul> <p>The final rule differs from the draft rule such that the NGR no longer requires a congestion uplift category. On the basis of stakeholder consultation, the AEMC considered such a baseline-based mechanism did not appropriately allocate 'cost to cause' and would involve unwarranted complexity and cost.</p> <p>The final rule sets out the following timing for commencement:</p> <ul style="list-style-type: none"> <li>amendments for transitional arrangements commenced on 19 March 2020;</li> <li>amendments relating to accounting for transmission constraints that affect withdrawals of gas at system withdrawal points in the pricing schedule commenced on 31 March 2020; and</li> <li>amendments relating to the congestion uplift framework are to commence on 1 January 2023, immediately after the <i>National Gas Amendment (DWGM improvements to AMDQ regime) Rule 2020</i> commences (see below).</li> </ul> <p>Read more <a href="#">here</a>.</p>
DWGM improvement to AMDQ regime	19 March 2020 1 January 2023	NGR 2020 No. 1	12 March 2020	<p>This rule improves the AMDQ regime by making it easier for participants to trade and allocate pipeline capacity rights in the DWGM.</p> <p>The final rule retires the current instruments of authorised MDQ and AMDQ credit certificates (<b>AMDQ cc</b>), and replaces these with a new regime consisting of:</p>

Rule Name	Commencement Date	Amending Rule	Date of Final Determination	Details
				<ul style="list-style-type: none"> <li>• entry capacity certificates that provide injection tie-breaking benefits; and</li> <li>• exit capacity certificates that provide withdrawal tie-breaking benefits.</li> </ul> <p>The changes do not affect current holders of AMDQ cc as these expire before the commencement of the new regime on 1 January 2023. The Commission has decided not to grant capacity certificates under the new regime to current holders of authorised MDQ, including tariff D customers, in order to simplify the framework by removing the distinction between authorised MDQ and AMDQ cc and to create a level playing field for market participants to obtain the benefits of injection and withdrawal tie-breaking.</p> <p>The allocation of capacity certificates will primarily occur via the capacity certificates auction, which will be operated by AEMO. The final rule includes a number of requirements to implement the capacity certificates auction.</p> <p>Market participants can trade capacity certificates between each other and AEMO will develop Capacity Certificates Transfer Procedures for requests to AEMO to transfer capacity certificates to give effect to a trade. AEMO will report information about capacity certificate transfers and develop a listing service, which market participants can use to list any capacity certificates they may want to buy or sell.</p> <p>The new regime will commence on 1 January 2023, which is consistent with the start of the next DTS access arrangement period. The first auction of the new certificates must be conducted prior to this date. Prior to the first auction, AEMO is required to amend existing procedures and make new procedures required by the final rule and to conduct the first system capability modelling.</p> <p>The listing service for buying and selling capacity certificates will also commence from 1 January 2023. Amendments for transitional arrangements commenced on 19 March 2020.</p> <p>Read more <a href="#">here</a>.</p>

## Disclaimer

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