

# CERTIFICATION OF RESERVE CAPACITY (CRC) STAKEHOLDER TECHNICAL WORKSHOP

27 May 2016

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- Disclaimer and Scope
- Background
- CRC overview
- Responsibilities
- Key Dates for 2015 CRC process
- CRC application submission process
- AEMO assessment process for different Generation types
- Bilateral Trade Declaration process
- Committed Status application
- Reserve Capacity Security requirements
- Questions & feedback

## Disclaimer

This presentation has been developed in line with the current rule drafting available on the PUO website.

## Scope

Purely technical and will cover

- Changes to Certified Reserve Capacity submission process in WEMS
- Supporting documentation required for a valid submission
- Assessment process

March 2015 – Ministerial direction received to defer

- Aspects of the 2015 Reserve Capacity Cycle by one year.
  - 2015 CRC process being held in 2016

March 2016 – PUO requests AEMO to defer

- Opening of 2015 certification window from 1 May 2016 to 1 June 2016
- Aspects of the 2016 Reserve Capacity cycle
  - 2016 CRC process to be held in 2017

The CRC process is a key aspect of the RCM.

## Associated Rules and Procedures

- MR 4.9, MR 4.10 & MR 4.11
- Draft Market Procedure (MP) for Certification of Facilities
  - AEMO has updated the current MP based on the draft rules released by the PUO.
  - In the absence of final rules, AEMO cannot publish this updated version without following the current procedure change process.
  - AEMO will publish the updated draft MP following release of the final rules, have a consultation period following which submissions will be considered in preparing the final MP that will be published on the website.

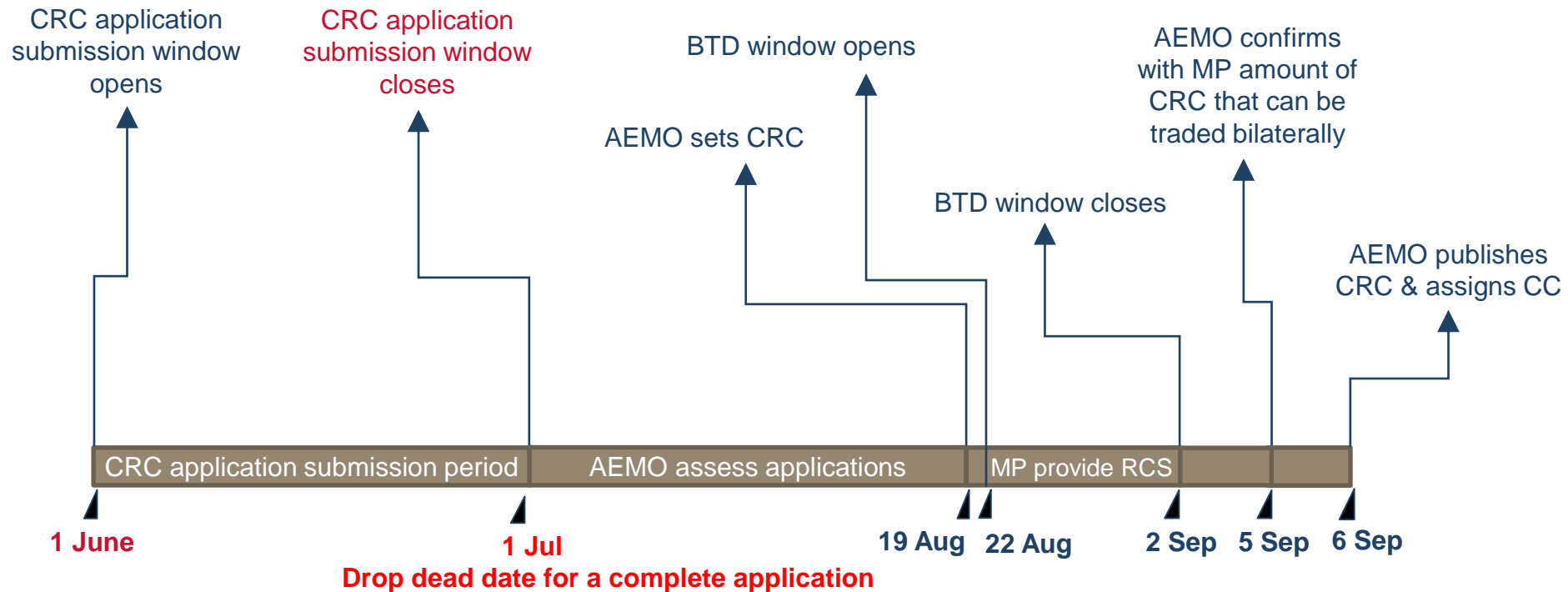
**Market Participants provide information required for the CRC as per MR 4.10**

**AEMO assesses and sets CRC as per MR 4.11**

# KEY DATES FOR 2015 CRC PROCESS



- Deferral of 2016 Reserve Capacity Cycle
- A shorter 2015 CRC submission window



## New interface – applications submitted via WEMS only

- Central repository
- **No email submissions**
- Applications to be submitted on a per Facility basis
- CRC applications can only be lodged during the CRC application window **[MR 4.9.1]**.
- Must include supporting information required under **MR 4.10.1**. If any information required under **MR 4.10.1** is not provided, the **application** will be **deemed invalid and will not be assessed**
- If a resubmission for a Facility is made during the CRC application window, all supporting documentation must be re-uploaded



Three submission requirements for a Facility CRC application –

- CSV submission
- Excel application
- Supporting documentation

**Note: The fields in the CSV submission will be validated in WEMS against the MR requirements.**

Pre-requisites for WEMS submission

- Ability to access WEMS
- Place holder in WEMS as a Candidate for Registration (Proposed Status)

- An upgrade to a facility must be created in the system prior to CRC submission
- AEMO will not assign CRC to a Facility that is not expected to be a Registered Facility by the time its Reserve Capacity Obligations commence for the relevant Reserve Capacity Cycle
- CSV submissions for Scheduled Generators (SG) and Demand Side Programmes (DSPs) have changed since last year
  - Change details can be found in the WEMS 3.16 release notes on AEMO website (<http://wa.aemo.com.au/docs/default-source/default-document-library/wems-3-16-release-notes-v1-1.pdf?sfvrsn=0>)
  - The new template can be downloaded from MPI RC Certification submission display

# SUBMISSION PROCESS – WEMS INTERFACE SG



### RC Certification Upload

Facility Type: Sched Generator

Certified RC application template [Download](#)

Sched Gen CSV template [Download](#)

Files

- Sched Gen CSV \*  [Browse...](#)
- Certified RC application \*  [Browse...](#)
- Network access \*  [Browse...](#) +
- Network constraints activated in the past 24 months \*  [Browse...](#) +
- Environmental approvals  [Browse...](#) +
- Description of Facility \*  [Browse...](#) +
- Temperature Dependence Curve \*  [Browse...](#) +
- Fuel supply \*  [Browse...](#) +
- Fuel transport \*  [Browse...](#) +
- Fuel availability (minimum 14 hours with one day resupply) \*  [Browse...](#) +
- Network Control Services contract  [Browse...](#) +
- Expected forced and unforced outage rates \*  [Browse...](#) +
- Project plan  [Browse...](#) +
- Land leases  [Browse...](#) +
- Financial commitment and funding arrangements  [Browse...](#) +
- Local government approvals  [Browse...](#) +
- Offtake agreement or Power Purchase Agreement  [Browse...](#) +
- Accredited expert report  [Browse...](#) +
- Commercial arrangements if Facility owner and operator differ  [Browse...](#) +
- Other  [Browse...](#) +

\* Files are limited to 50MB in size and 250MB in total

[CLEAR](#) [Go](#)

### Upload History

Participant: -- All -- Submitted in: 2016

Date & Time	Participant	Uploaded By	Upload Type	File Name	Results File	Upload Format	Status
No data found.							

### Detail History

Date & Time	Message Code	Message Type	Message

# SUBMISSION PROCESS – WEMS INTERFACE NSG



### RC Certification Upload

Facility Type: Non Sched Generator

Certified RC application template [Download](#)  
 Non Sched Gen CSV template [Download](#)

— Files —

- Non Sched Gen CSV \*  [Browse...](#)
- Certified RC application \*  [Browse...](#)
- Network access \*  [Browse...](#) +
- Network constraints activated in the past 24 months \*  [Browse...](#) +
- Environmental approvals  [Browse...](#) +
- Description of Facility \*  [Browse...](#) +
- Network Control Services contract  [Browse...](#) +
- Project plan  [Browse...](#) +
- Land leases  [Browse...](#) +
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Date & Time	Participant	Uploaded By	Upload Type	File Name	Results File	Upload Format	Status
No data found.							

### Detail History

Date & Time	Message Code	Message Type	Message

# SUBMISSION PROCESS – WEMS INTERFACE DSP



Home Notifications Energy Market Reserve Capacity Balancing LFAS Registration Settlements Reports Configuration Help Logout

Home > Reserve Capacity > File Exchange > Reserve Capacity Certification

KFARNSWORTH@AEMO.AU



### RC Certification Upload

Facility Type:

Certified RC application template

DSP and Load CSV template

-- Files --

- DSP and Load CSV \*
- Certified RC application \*
- Description of Facility \*
- Network Control services contract
- Project plan
- Loads associated with the DSP \*
- Contracts for curtailment \*
- Commercial arrangements if Facility owner and operator differ
- Other

\*Files are limited to 50MB in size and 250MB in total

### Upload History

Participant:  Submitted In:

Date & Time	Participant	Uploaded By	Upload Type	File Name	Results File	Upload Format	Status
No data found.							

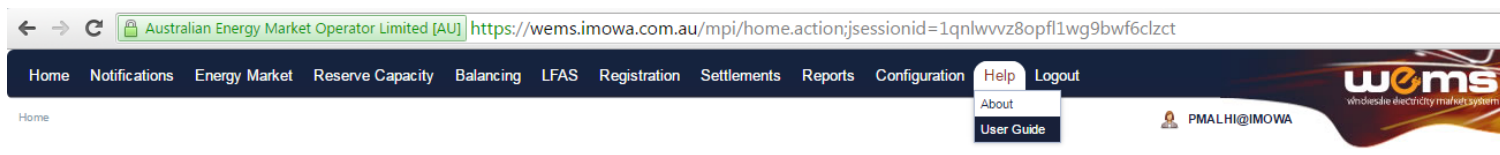
### Detail History

Date & Time	Message Code	Message Type	Message
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# SUBMISSION PROCESS – WEMS INTERFACE CSV AND EXCEL FILE



- CSV application – feeds into AEMO database
  - WEMS MPI “User Guide” available within WEMS



- CRC application (Excel)

Rule requirement	Market Rule 4.10.1	Market Participant response	Explanatory notes
<b>All Facilities</b>	Facility name Level of certified Reserve Capacity sought Relevant Reserve Capacity Cycle	(c) (b)	Enter name of Facility and a general ID/MPI This should be equal to the amount of certified Reserve Capacity being applied to Enter the Capacity Year to which the Certification of Reserve Capacity relates to
<b>Scheduled and Non-Scheduled Generators</b>	Network Access	(bA)	Please provide evidence of an access arrangement or an accepted Access Proposal with the application
<b>Scheduled and Non-Scheduled Generators that are yet to enter service</b>	Environmental Approvals	(c) ii	Please provide a copy of supporting documentation with the application, which may be in the form of a report from the relevant environmental authority indicating status of environmental approvals or a report from the Market Participant's environmental contractor indicating that all environmental approvals will be granted in time for the Facility to meet its Reserve Capacity Obligations specified in clause 4.8.3(b)(5)(i)
<b>All Facilities that are yet to enter service</b>	All approvals finalised date Planning finalised date Site preparation start date Construction start date Generating equipment or CIM control equipment installation complete Commissioning trial start	(c) iii 1 (c) iii 2 (c) iii 3 (c) iii 4 (c) iii 5 (c) iii 6	The date by which all approvals will be finalised or, in the case of Intermittent Loads and Demand Side Programmes all approved contracts will be in place The date when the preparation will begin The date when construction will commence The date when generating equipment or Intermittent Load equipment will be installed or, in the case of Intermittent Loads and Demand Side Programmes all required control equipment will be in place The date when the Facility, or part of the Facility, will be ready to undertake Commissioning Trials
<b>All Facilities that are due to decommission</b>	Earliest date facility will be capable of meeting Reserve Capacity Obligations Planned decommissioning date	(c) iii 7 (d)	The date when the Facility, or part of the Facility, will have completed all Commissioning Trials and be capable of meeting Reserve Capacity Obligations in full. This has to be between 1 June to 1 October of the 2nd relevant Reserve Capacity Cycle
<b>All Facilities</b>	Description and a categorisation of the main components of the Facility	(dA)	Provide a description of the main components of the Facility
<b>Scheduled Generators</b>	Maximum capacity of Facility Temperature dependence of Facility Guaranteed available capacity at 41°C net of intermittent, embedded and parasitic loads Additional maximum net out capacity at 41°C net of intermittent, embedded and parasitic loads that can be made available, including limitation in duration Method of measurement of ambient temperature Primary fuel details (oil, gas, coal, biomass, solar) Secondary fuel (must prove that there is an on-site storage facility and an alternative supply of the fuel to maintain 10 hours of operation at the level of capacity specified in clause 4.8.3(i)) Any other factors that may affect fuel supply arrangements The expected forced outage rate based on the historical data, and The expected reduced outage rate based on the historical data, and If not an out-approver (F Facility has operated for longer than 12 months). Note, values to exceed 4.5% and AEMO may decide to not certify a Facility if	(c) i (c) i (c) ii (c) iii (c) iv (c) v (c) vi (c) vi (c) vii (c) viii (c) ix	Provide the year (M) of the Facility at 41°C Submit Temperature Dependence Curve of the Facility in accordance with the Market Procedure for Certification of Reserve Capacity. The curve should be in 0.1 degree intervals Enter the maximum net out capacity, net of Intermittent Loads, embedded and Parasitic Loads, that can be guaranteed to be available for supply to the relevant Network from the Facility, when it is operated normally at an ambient temperature of 41°C The maximum net out capacity, net of Intermittent Loads, embedded and Parasitic Loads, beyond the capacity described in (c) i, that can be made available for supply to the relevant Network from the Facility at an ambient temperature of 41°C and any restrictions on the availability of that capacity, including limitations on duration Submit a high temperature measurement method the participant intend to have used in the calculation of the FCO at 41°C in accordance with MIP 4.8.3 Enter the fuel type which the Facility will operate on and any restrictions on fuel availability. Please also confirm that Market Participants have sufficient fuel arrangements for 14 hours of operation at full capacity, including refill arrangements for liquid fuels and coal If applicable, secondary fuel type which the Facility will operate on at the level specified in 4.8.3(i)(5). Secondary fuel must prove there is sufficient on-site storage, or an alternative supply of fuel to maintain 10 hours of operation as per MIP 4.8.3(i)(5) Please indicate if there are any restrictions on either fuel type which would prevent the Facility operating at AEMO capacity For Facilities that have been operating for less than 12 months For Facilities that have been operating for less than 12 months

# SUBMISSION PROCESS – WEMS INTERFACE VALIDATING CRC APPLICATION



Home Notifications Energy Market Reserve Capacity Balancing LFAS Registration Settlements Reports Configuration Help Logout



Home > Reserve Capacity > Reports > RC Certification

### Search

Output  View  CSV  XML

Participant

Facility/Portfolio

Capacity Year commencing

Market Type  RC Certification  
 RC Bilateral Trade Declaration  
 RC Auction Offers  
 Long Term SPA  
 Capacity Credits and Obligations

### RC Certification

Participant	Facility Name	Capacity Block	Availability Class	Available Capacity (MW)	Available Capacity Hot (MW)	Full Capacity Obligation Date
XYZ	FACILITY 1	BLOCK1	CLASS1			01 Oct 2017

### Certification Details

Participant

Certification Mode

Capacity Year

Facility Name

Facility Type

Facility Status

Capacity Block

Availability Class

Available Capacity (MW)

Available Capacity Hot (MW)

Full Capacity Obligation Date

Project Approval Date

Project Financing Date

Project Site Preparation Date

Project Construction Start Date

Equipment Installation Date

Commissioning Trials Date

Decommission Date

Forced Outage Rate

Unforced Outage Rate

Actual Forced Outage Rate

Actual Unforced Outage Rate

Conditional Confirmation

Certification Methodology

NCS Contract

Primary Fuel

Alternative Fuel

Certified Fuel Type

Certified RC application

Description of Facility

Fuel supply

Fuel transport



Balancing Gate Closure at: 19/05/16 12:30 for: 19/05/16 14:30 Portfolio Balancing Gate Closure at: 19/05/16 12:30 for: 19/05/16 16:30 Load Following Gate Closure at: 19/05/16 15:00 for: 19/05/16 20: WEMS Market Time 12:13:35

# AEMO ASSESSMENT PROCESS – SG



Supporting information	What AEMO requires	Requirement
<b>Certified Reserve Capacity application</b>	<p>Market Rule reference: 4.10</p> <p>An application spreadsheet for Certification of Reserve Capacity that lists all the necessary information to be filled by the Market Participant for an application to be assessed by AEMO.</p>	Mandatory
<b>Network access</b>	<p>Market Rule reference: 4.10.1(bA)</p> <p>Evidence that the Facility has a network access arrangement with Western Power. The contract must be attached in full and may be in the form of an Electricity Transfer Access Contract (ETAC), Network Access Agreement (NAA), Access Offer, Preliminary Access Offer, or Access Proposal. All documents must clearly show the expiry date, the Declared Sent Out Capacity (DSOC), details of any network access constraints such as runback schemes, and include all amendments and other changes. All documents must be executed by both Western Power and the entity responsible for the Facility.</p>	Mandatory
<b>Network constraints activated in the past 24 months</b>	<p>Market Rule reference: 4.10.1(bA)</p> <p>Details of any activation of runback schemes or other binding network constraints over the previous 24 months, including frequency of occurrence, curtailment amount, time and date of occurrence, and duration of occurrence.</p>	Mandatory
<b>Description of Facility</b>	<p>Market Rule reference: 4.10.1(dA)</p> <p>Description and configuration of the main components of the Facility. This must include generator nameplate rating and age along with any major upgrades that have been performed. For DSPs, details of the operational process or procedure of the Facility's ability to reduce demand in the event of a request from System Management.</p>	Mandatory



# AEMO ASSESSMENT PROCESS – SG



Supporting information	What AEMO requires	Requirement
Temperature Dependence Curve	<p>Market Rule reference: 4.10.1(e)(i)</p> <p>Manufacturer’s technical specifications or as determined by an independent engineering firm.</p>	Mandatory
Fuel supply	<p>Market Rule reference: 4.10.1(e)(v)</p> <p>Evidence that the Market Participant has secured sufficient fuel supplies (diesel, coal or gas) to operate the Facility and, if applicable, its fleet of Facilities. This may include demonstrated ability to procure additional fuel through the spot market. Full contracts must be provided which include full details of the fuel quantity to be delivered, signatory pages, expiry dates as well as any restrictions on quantities (for example, take or pay clauses, maximum contract quantities). Price information may be redacted.</p>	Mandatory
Fuel transport	<p>Market Rule reference: 4.10.1(e)(v)</p> <p>Evidence that the fuel being procured by the Market Participant is able to be delivered to the Facility. Full contracts must be provided and include contract expiry dates and delivery lead times. A Market Participant may demonstrate its ability to source transport through the spot market. Price information may be redacted.</p>	Mandatory
Fuel availability (minimum 14 hours with one day resupply)	<p>Market Rule reference: 4.10.1(e)(v)</p> <p>Evidence that the Facility has sufficient fuel supplies, either through an on or off-site storage facility or delivered through a gas pipeline, to operate continuously for 14 hours at maximum output, with one day resupply. This may include evidence of fuel storage tanks along with volumetric quantities, minimum stockpile levels and data on fuel used per hour of operation (for example, GJ/MWh). Where the Facility has primary and alternative fuels, outline the process for changing from one fuel to another and the fuel(s) which the Facility is to use in respect to an application for CRC.</p>	Mandatory

# AEMO ASSESSMENT PROCESS – SG



Supporting information	What AEMO requires	Requirement
Expected forced and unforced outage rates	<p>Market Rule reference: 4.10.1(e)(vi), 4.10.1(e)(vii) and 4.11.1(h)</p> <p>For new Facilities that have not operated in the last 12 months, the forced and unforced outage rate of the Facility based on manufacturer data. For existing Facilities that have operated for at least 12 months, the forced and unforced outage rates in the past 36 months.</p>	Mandatory
Environmental approvals	<p>FOR NEW FACILITY ONLY.</p> <p>Market Rule reference: 4.10.1(c)(ii)</p> <p>Evidence that any necessary environmental approvals have been granted or evidence supporting the Market Participant’s expectation that any necessary environmental approvals will be granted in time to have the Facility meet its Reserve Capacity Obligations by the date specified in clause 4.10.1(c)(iii)(7) of the Market Rules.</p>	Optional
Network Control Services contract	<p>Market Rule reference: 4.10.1(j)</p> <p>If applicable, a full copy of any Network Control Services contract, specifying the terms and conditions. Price information may be redacted.</p>	Optional
Project plan	<p>FOR NEW FACILITY ONLY.</p> <p>Market Rule reference: 4.10.1(c)(iii)</p> <p>Key project dates as outlined in clause 4.10.1.(c)(iii) of the Market Rules.</p>	Optional
Land leases	<p>FOR NEW FACILITY ONLY.</p> <p>Market Rule reference: 4.10.1(c)(iii)</p> <p>Details of access rights to land, either through ownership or an appropriate leasing agreement. Leasing arrangements to include duration of tenure, renewal options and signatory pages.</p>	Optional

# AEMO ASSESSMENT PROCESS – SG



Supporting information	What AEMO requires	Requirement
<b>Financial commitment and funding arrangements</b>	<p>FOR NEW FACILITY ONLY.</p> <p>Market Rule reference: 4.10.1(c)(iii)</p> <p>Evidence of funding arrangements for the Facility, financial commitment by the Market Participant to a primary equipment supplier (this would usually take the form of a signed contract indicating purchase of the main plant equipment, including penalty clauses associated with non-compliance of the purchase agreement), and formal commitment, including financial approval, on behalf of the company in respect to the project (for example, Board approval).</p>	Optional
<b>Local government approvals</b>	<p>FOR NEW FACILITY ONLY.</p> <p>Market Rule reference: 4.10.1(c)(iii)</p> <p>Details of relevant shire approvals to operate a power station.</p>	Optional
<b>Offtake agreement or Power Purchase Agreement</b>	<p>FOR NEW FACILITY ONLY.</p> <p>Market Procedure reference: Appendix A of Declaration of Bilateral Trades and the Reserve Capacity Auction</p> <p>Where a Facility is being built primarily to supply energy to one or more foundation customers, evidence that relevant power supply contracts are in place.</p>	Optional
<b>Accredited expert report</b>	<p>FOR FACILITIES LESS THAN 5 YEARS OF OPERATION.</p> <p>Market Rule reference: 4.10.3</p> <p>Accredited consultant report required under clause 4.10.3 of the Market Rules. Accredited consultant report required under clause 4.10.3 of the Market Rules.</p>	Optional

# AEMO ASSESSMENT PROCESS – SG



Supporting information	What AEMO requires	Requirement
Commercial arrangements if Facility owner and operator differ	A description of the commercial arrangement between entities.	Optional
Other	Any other documentation to support the application.	Optional

# AEMO ASSESSMENT PROCESS – NSG



Supporting information	What AEMO requires	Requirement
<b>Certified Reserve Capacity application</b>	Market Rule reference: 4.10  An application spreadsheet for Certification of Reserve Capacity that lists all the necessary information to be filled by the Market Participant for an application to be assessed by AEMO.	Mandatory
<b>Network access</b>	Market Rule reference: 4.10.1(bA)  Evidence that the Facility has a network access arrangement with Western Power. The contract must be attached in full and may be in the form of an Electricity Transfer Access Contract (ETAC), Network Access Agreement (NAA), Access Offer, Preliminary Access Offer, or Access Proposal. All documents must clearly show the expiry date, the Declared Sent Out Capacity (DSOC), details of any network access constraints such as runback schemes, and include all amendments and other changes. All documents must be executed by both Western Power and the entity responsible for the Facility.	Mandatory
<b>Network constraints activated in the past 24 months</b>	Market Rule reference: 4.10.1(bA)  Details of any activation of runback schemes or other binding network constraints over the previous 24 months, including frequency of occurrence, curtailment amount, time and date of occurrence, and duration of occurrence.	Mandatory
<b>Description of Facility</b>	Market Rule reference: 4.10.1(dA)  Description and configuration of the main components of the Facility. This must include generator nameplate rating and age along with any major upgrades that have been performed. For DSPs, details of the operational process or procedure of the Facility's ability in reducing demand in the event of a request from System Management.	Mandatory

# AEMO ASSESSMENT PROCESS – NSG



Supporting information	What AEMO requires	Requirement
Environmental approvals	<p>FOR NEW FACILITY ONLY.</p> <p>Market Rule reference: 4.10.1(c)(ii)</p> <p>Evidence that any necessary environmental approvals have been granted or evidence supporting the Market Participant’s expectation that any necessary environmental approvals will be granted in time to have the Facility meet its Reserve Capacity Obligations by the date specified in clause 4.10.1(c)(iii)(7) of the Market Rules.</p>	Optional
Network Control Services contract	<p>Market Rule reference: 4.10.1(j)</p> <p>If applicable, a full copy of any Network Control Services contract, specifying the terms and conditions. Price information may be redacted.</p>	Optional
Project plan	<p>FOR NEW FACILITY ONLY.</p> <p>Market Rule reference: 4.10.1(c)(iii)</p> <p>Key project dates as outlined in clause 4.10.1.(c)(iii) of the Market Rules.</p>	Optional
Land leases	<p>FOR NEW FACILITY ONLY.</p> <p>Market Rule reference: 4.10.1(c)(iii)</p> <p>Details of access rights to land, either through ownership or an appropriate leasing agreement. Leasing arrangements to include duration of tenure, renewal options and signatory pages.</p>	Optional

# AEMO ASSESSMENT PROCESS – NSG



Supporting information	What AEMO requires	Requirement
<b>Financial commitment and funding arrangements</b>	<p>FOR NEW FACILITY ONLY.</p> <p>Market Rule reference: 4.10.1(c)(iii)</p> <p>Evidence of funding arrangements for the Facility, financial commitment by the Market Participant to a primary equipment supplier (this would usually take the form of a signed contract indicating purchase of the main plant equipment, including penalty clauses associated with non-compliance of the purchase agreement), and formal commitment, including financial approval, on behalf of the company in respect to the project (for example, Board approval).</p>	<p>Optional</p>
<b>Local government approvals</b>	<p>FOR NEW FACILITY ONLY.</p> <p>Market Rule reference: 4.10.1(c)(iii)</p> <p>Details of relevant shire approvals to operate a power station.</p>	<p>Optional</p>
<b>Offtake agreement or Power Purchase Agreement</b>	<p>FOR NEW FACILITY ONLY.</p> <p>Market Procedure reference: Appendix A of Declaration of Bilateral Trades and the Reserve Capacity Auction</p> <p>Where a Facility is being built primarily to supply energy to one or more foundation customers, evidence that relevant power supply contracts are in place.</p>	<p>Optional</p>
<b>Accredited expert report</b>	<p>FOR FACILITIES LESS THAN 5 YEARS OF OPERATION.</p> <p>Market Rule reference: 4.10.3</p> <p>Accredited consultant report required under clause 4.10.3 of the Market Rules. Accredited consultant report required under clause 4.10.3 of the Market Rules.</p>	<p>Optional</p>

# AEMO ASSESSMENT PROCESS – NSG



Supporting information	What AEMO requires	Requirement
Commercial arrangements if Facility owner and operator differ	A description of the commercial arrangement between entities.	Optional
Other	Any other documentation to support the application.	Optional



# AEMO ASSESSMENT PROCESS – DSP



Supporting information	What AEMO requires	Requirement
<b>Certified Reserve Capacity application</b>	<p>Market Rule reference: 4.10</p> <p>An application spreadsheet for Certification of Reserve Capacity that lists all the necessary information to be filled by the Market Participant for an application to be assessed by AEMO.</p>	Mandatory
<b>Description of Facility</b>	<p>Market Rule reference: 4.10.1(dA)</p> <p>Description and configuration of the main components of the Facility. This must include generator nameplate rating and age along with any major upgrades that have been performed. For DSPs, details of the operational process or procedure of the Facility's ability in reducing demand in the event of a request from System Management.</p>	Mandatory
<b>Loads associated with the DSP</b>	<p>A list of all loads, including the National Meter Identifier (NMI), associated to the DSP. Where contracts are not in place, a list of loads (with NMIs) that are intended to be included.</p>	Mandatory
<b>Contracts for curtailment</b>	<p>Evidence of capacity already procured (for example, contracts for load curtailment) or evidence of capacity procurement activity (on a per load basis). Full contracts must be provided and include commencement and end dates, terms outlining curtailment and signatory pages. Price information may be redacted.</p>	Mandatory
<b>Network Control Services contract</b>	<p>Market Rule reference: 4.10.1(j)</p> <p>If applicable, a full copy of any Network Control Services contract, specifying the terms and conditions. Price information may be redacted.</p>	Optional

# AEMO ASSESSMENT PROCESS – DSP



Supporting information	What AEMO requires	Requirement
Project plan	<p>FOR NEW FACILITY ONLY.</p> <p>Market Rule reference: 4.10.1(c)(iii)</p> <p>Key project dates as outlined in clause 4.10.1.(c)(iii) of the Market Rules.</p>	Optional
Commercial arrangements if Facility owner and operator differ	A description of the commercial arrangement between entities.	Optional
Other	Any other documentation to support the application.	Optional

- New Facilities wishing to be assured Capacity Credits need to **apply for Committed Status in WEMS**
- **AEMO approval decision made prior to BTD**
- **Made as a separate application to CRC**
- Submission must present a case as to how the project has progressed further than a “Proposed” Facility and what irrevocable commitments have been made
- Guidelines for assessing Reserve Capacity Facility status are in Appendix A of Market Procedure: Declaration of Bilateral Trade and the Reserve Capacity Auction

Market Participant nominates through a CSV submission in WEMS the amount of CRC that will:

- be made available for the Reserve Capacity Auction;
- is covered by a pre-existing Special Price Arrangement;
- is intended to be traded bilaterally; and
- not be made available.

Note: DSPs may only nominate to trade capacity through AEMO or not make their capacity available.

CSV template is available for download on the Market website

Additional reference material can be found in:

- MR 4.14
- Market Procedure: Declaration of Bilateral Trades and the Reserve Capacity Auction

In order to validate a BTD in respect to a new Facility:

- the Market Participant must provide Reserve Capacity Security
- the Facility must be considered to be in “Committed” status

Reserve Capacity Security (RCS) is required for all new capacity, including:

- New Facilities
- Existing Facilities applying for an upgrade
- Facilities re-entering into service after significant maintenance

Equals  $\frac{1}{4}$  of the BRCP per MW of Certified Capacity

Associated Reference material can be found in

- MR 4.13
- Market Procedure: Reserve Capacity Security

# QUESTIONS & FEEDBACK

System Capacity (WA)

[wa.capacity@aemo.com.au](mailto:wa.capacity@aemo.com.au)

(08) 9254 4300