

CRC WEM Procedure for the 2021 Reserve Capacity Cycle

WRIG – 5 August 2021

Context

- The Certified Reserve Capacity (CRC) process determines the quantity of capacity that can be delivered during peak periods.
- Key changes to the process are:
 - Expressions of Interest (EOI) must be submitted before applying for CRC.
 - Assessment completed at a Component level.
 - New methodology (Linearly Derating Capacity) for Electric Storage Resources (ESR).
- Head of power for this Procedure is in clause 4.9.10.

Staging of the Procedure

The 2021 and 2022 Reserve Capacity Cycles require different versions of the Procedure.

2021 key changes

- ESR methodology.
- Introduction of Components.
- Mandatory EOI requirement.

2022 key changes

- Removal of Constrained Access Facility and Constrained Access Entitlement.
- Introduction of Network Augmentation Funding Facilities.

As a result, AEMO intends to develop and consult on at least two versions of this Procedure.

Staging of the Procedure

- The commencement dates for the two versions of the Procedure are:
 - 1 November 2021 for the 2021 Reserve Capacity Cycle version.
 - 1 March 2022 for the 2022 Reserve Capacity Cycle version.
- AEMO intends to release the 2021 Reserve Capacity Cycle version for consultation in September 2021.
- The 2022 Reserve Capacity Cycle version is expected to be released for consultation in early 2022.

The remainder of this presentation focusses on the 2021 Reserve Capacity Cycle version of the Procedure.

Prerequisites for the 2021 Reserve Capacity Cycle – new Facilities and upgrades

- Any person intending to apply for CRC for a new Facility or upgrade **must** submit an EOI.
 - Window closes on **16 August 2021**
- AEMO will complete an Indicative Facility Class/Indicative Facility Technology Type assessment in accordance with the [WEM Procedure: Indicative Facility Class and RCM Facility Class assessment](#).
 - The project proponent must become a Market Participant and create the new Facility in WEMS Registration at least 10 Business Days before the opening of the CRC window (1 December 2021).

Application process

- Market Participants must submit all information required under clause 4.9.3 and 4.10.1 for the relevant Facility Class/Facility Technology Type for each Component.
- Some information will be required at a Facility level (e.g. network access arrangements).

Component - A part of a Facility that is either an Electric Storage Resource, an Intermittent Generating System, or a Non-Intermittent Generating System. Each Facility that is not a Demand Side Programme must consist of at least one component, where each component is subject to a different certification methodology.

Component specific assessment

Facility Class or Indicative Facility Class	Component	Certification method
Scheduled Facility Semi-Scheduled Facility	Non-Intermittent Generating System	Capability at 41°C
Scheduled Facility Semi-Scheduled Facility	Intermittent Generating System	Relevant Level Methodology (RLM)
Scheduled Facility Semi-Scheduled Facility	Electric Storage Resource	Linearly Derating Capacity
Non-Scheduled Facility	Non-Intermittent Generating System Intermittent Generating System Electric Storage Resource	RLM
Non-Scheduled Facility comprising only Electric Storage Resources	Electric Storage Resource	LDC – if not in operation for the full period under step 1(a) of Appendix 9
Demand Side Programme	NA – assessed as a Facility	Relevant Demand

Other changes

- Inclusion of section on Early CRC.
 - Specifies factors AEMO will take into account when deciding eligibility for Early CRC (e.g. requirement for infrastructure or specialist labour).
- Moving outage rate calculation formulae from the Power System Operation Procedure: Facility Outages.

Questions and further information

Additional comments or questions can be directed to AEMO by email to wa.capacity@aemo.com.au (cc WA.ETS@aemo.com.au).