

WEM PROCEDURE: INDICATIVE FACILITY CLASS AND RCM FACILITY CLASS ASSESSMENT

PREPARED BY: AEMO
DOCUMENT REF:
VERSION: 2.10
EFFECTIVE DATE: ~~1 December 2021~~
STATUS: ~~DRAFT~~FINAL

Approved for distribution and use by:

APPROVED BY: ~~DRAFT – NOT APPROVED FOR USE~~Cameron Parrotte
TITLE: ~~Executive General Manager – Western Australia~~

DATE: ~~/ /20XX~~29/11/2021

VERSION RELEASE HISTORY

Version	Effective Date	Summary of Changes
1.0	01 August 2021	New WEM Procedure
2.0	01 December 2021	Revised for amendments made in Wholesale Electricity Market Amendment (Miscellaneous Amendments No. 2) Rules 2021 to clause 4.8A.3
2.1		Revised for amendments made in Wholesale Electricity Market Amendment (Tranche 5 Amendments) Rules 2021

IMPORTANT NOTICE - EXPLANATORY NOTES

Disclaimer

Explanatory notes included in this document as shaded in-line text are provided for explanatory purposes only to assist with comprehension and readability. The information contained in these explanatory notes does not constitute legal or business advice and should not be relied on as a substitute for obtaining detailed advice about the *Electricity Industry Act 2004* (WA), the WEM Rules, or any other applicable laws, procedures or policies. AEMO has made reasonable efforts to ensure the quality of the information, but cannot guarantee its accuracy or completeness.

Accordingly, to the maximum extent permitted by law, AEMO and its officers, employees and consultants involved in the preparation of this document:

- make no representation or warranty, express or implied, as to the currency, accuracy, reliability or completeness of the explanatory information in this document; and
- are not liable (whether by reason of negligence or otherwise) for any statements or representations in this document, or any omissions from it, or for any use or reliance on the information in it.

Copyright

© 2021 Australian Energy Market Operator Limited. The material in this publication may be used in accordance with the copyright permissions on AEMO's website.

CONTENTS

1.	INTRODUCTION	4
1.1.	Purpose and scope	4
1.2.	Definitions	4
1.3.	Interpretation	5
1.4.	Related documents	6
2.	MODIFICATION OF TIMEFRAMES	6
3.	TRANSITIONAL APPLICATIONS FOR AN RCM FACILITY CLASS OR INDICATIVE FACILITY CLASS ASSESSMENT FOR THE 2021 AND 2022 RESERVE CAPACITY CYCLES	7
3.1.	Specific requirements for a Registered Facility	7
3.2.	Specific requirements for an unregistered facility which has been assigned Capacity Credits in a previous Reserve Capacity Cycle	8
3.3.	Processing applications and notifying applicants	9
4.	APPLICATIONS FOR AN INDICATIVE FACILITY CLASS AND INDICATIVE FACILITY TECHNOLOGY TYPE ASSESSMENT	11
4.1.	Specific requirements for a new facility or Planned Facility Upgrade	11
4.2.	Specific requirements for Early Certified Reserve Capacity or Conditional Certified Reserve Capacity	12
5.	ASSESSMENT OF A FACILITY CLASS AND FACILITY TECHNOLOGY TYPE	14
5.1.	Facility Technology Type	14
5.2.	Facility Class	14
	APPENDIX A. RELEVANT CLAUSES OF THE WEM RULES	17

TABLES

Table 1	Definitions	4
Table 2	Related documents	6
Table 3	Variables in the intermittency calculation	16
Table 4	Relevant clauses of the WEM Rules	17

1. INTRODUCTION

1.1. Purpose and scope

- 1.1.1. This WEM Procedure: Indicative Facility Class and RCM Facility Class assessment (Procedure) is made in accordance with AEMO's functions under clause 2.1A.2(h) of the Wholesale Electricity Market Rules (WEM Rules).
- 1.1.2. The Electricity Industry Act 2004, the WEM Regulations and the WEM Rules prevail over this Procedure to the extent of any inconsistency.
- 1.1.3. In this Procedure, where obligations are conferred on a Rule Participant, that Rule Participant must comply with the relevant obligations in accordance with clause 2.9.7A or 2.9.8 ~~of the WEM Rules~~, as applicable.
- 1.1.4. The purpose of this Procedure is to document:
- the processes to be followed by AEMO in determining and assigning an indicative Facility Class and an indicative Facility Technology Type to a new Facility or Facility upgrade under clause 4.8A or an unregistered Facility under clause 1.45.9;
 - the processes to be followed by AEMO in determining and assigning an RCM Facility Class and Facility Technology Type to a Registered Facility under clause 1.45;
 - the information required to be provided in support of an application under clause 4.8A.3;
 - the processes to be followed by an applicant in relation to making an application under clause 1.45.4, 1.45.8 or 4.8A.3; and
 - any other matters AEMO considers relevant.
- 1.1.5. Appendix A of this Procedure outlines the head of power clauses that this Procedure is made under, as well as other obligations in the WEM Rules covered by this Procedure.

1.2. Definitions

- 1.2.1. Terms defined in the Electricity Industry Act 2004, the WEM Regulations and the WEM Rules have the same meanings in this Procedure unless the context requires otherwise.
- 1.2.2. The following definitions apply in this Procedure unless the context requires otherwise.

Table 1 Definitions

Term	Meaning
Contract Contracted Maximum Demand	Has the meaning given in the Wholesale Electricity Market Amendment (Tranche 5 Tranches 2 and 3 Amendments 3) Rules 2021 2020.
Dispatch Cap	Has the meaning given in the Wholesale Electricity Market Amendment (Tranches 2 and 3 Amendments) Rules 2020.
Dispatch Target	Has the meaning given in the Wholesale Electricity Market Amendment (Tranches 2 and 3 Amendments) Rules 2020.
Energy Producing System	Has the meaning given in the Wholesale Electricity Market Amendment (Tranche 5 Tranches 2 and 3 Amendments) Rules 2021 2020.

Term	Meaning
Equipment	Hardware or software that form part of a Facility and affects the intermittency or level of Injection or Withdrawal capability of the Facility.
Facility Technology Type	Has the meaning given in the Wholesale Electricity Market Amendment (Tranche 5 Tranches 2 and 3 Amendments) Rules 20212020 .
Indicative Facility Class	A Facility Class assigned to an unregistered Facility or a Planned Facility Upgrade to be used in all activities that occur in Year 1 of a Reserve Capacity Cycle until the Facility is a Registered Facility or the Planned Facility Upgrade commences operation.
Indicative Facility Technology Type	A Facility Technology Type assigned to an unregistered Facility or a Planned Facility Upgrade to be used in all activities that occur in Year 1 of a Reserve Capacity Cycle until the Facility is a Registered Facility or the Planned Facility Upgrade commences operation.
Injection	Has the meaning given in the Wholesale Electricity Market Amendment (Tranches 2 and 3 Amendments) Rules 2020.
Non-Scheduled Facility	Has the meaning given in the Wholesale Electricity Market Amendment (Tranche 5 Tranches 2 and 3 Amendments) Rules 20212020 .
Offtake Quantity	MW consumption as a negative value.
Planned Facility Upgrade	Either: a) works that have increased the nameplate capacityWhere a Market Participant seeks a higher level of a Facility and were completed after the date and time specified in clause 4.1.11 for the previous Certified Reserve Capacity Cycle; or b) works expected to be completed that will increase the nameplate capacity or available capacity of a Facility, which is yet to be than its existing Facility has demonstrated through normal market operationsoperation or a Reserve Capacity Test, due to works yet to be completed (known as an upgrade in WEMS).
RCM Facility Class	Has the meaning given in clause 1.45.1.
RCM Market Participant	Has the meaning given in clause 1.45.1.
Scheduled Facility	Has the meaning given in the Wholesale Electricity Market Amendment (Tranche 5 Tranches 2 and 3 Amendments) Rules 20212020 .
Semi-Scheduled Facility	Has the meaning given in the Wholesale Electricity Market Amendment (Tranche 5 Tranches 2 and 3 Amendments) Rules 20212020 .
Withdrawal	Has the meaning given in the Wholesale Electricity Market Amendment (Tranches 2 and 3 Amendments) Rules 2020.

1.3. Interpretation

1.3.1. The following principles of interpretation apply in this Procedure unless the context requires otherwise.

- (a) Clauses 1.3 to 1.5 of the WEM Rules apply in this Procedure.
- (b) References to time are references to Australian Western Standard Time.
- (c) Terms that are capitalised, but not defined in this Procedure, have the meaning given in the WEM Rules.
- (d) A reference to the WEM Rules or WEM Procedures includes any associated forms required or contemplated by the WEM Rules or WEM Procedures.

- (e) Words expressed in the singular include the plural and vice versa.
- (f) A reference to a paragraph refers to a paragraph of this Procedure.
- (g) A reference to a clause refers to a clause or section of the WEM Rules.
- (h) References to WEM Rules in this Procedure in bold and square brackets [Clause XXX] are included for convenience only, and do not form part of this Procedure.
- (i) Text located in boxes and headed as Explanatory Note X in this Procedure is included by way of explanation only, and does not form part of this Procedure.

1.4. Related documents

1.4.1. The documents in Table 2 are associated with this Procedure.

Table 2 Related documents

Reference	Title	Location
Template	RCM Facility Class assessment template	WEM Website
Template	Indicative Facility Class assessment template	WEM Website
WEM Rules	Wholesale Electricity Market Rules	Energy Policy WA Website
WEM Procedure	Market Procedure: Certification of Reserve Capacity	WEM Website
WEM Procedure	Market Procedure: Facility Registration, Deregistration, and Transfer	WEM Website

2. MODIFICATION OF TIMEFRAMES

~~2.1.1. Under clause 4.1.1C, AEMO (in its sole discretion) may modify or extend a date or time in this Procedure, as a result of modifying or extending a date or time under clause 4.1.1C.~~

~~2.1.1. AEMO (in its sole discretion) may modify or extend other the dates or times in this Procedurespecified in paragraph 4 or set under section 4.1 in relation to the extent permitted under the WEM Rules. Reserve Capacity Cycle outlined in section 4.1.~~

~~2.1.2. If AEMO extends a date or time under this paragraph 2.1.2, then it must publish on the WEM Website:~~

~~(a) a notice of the modified or extended time or date or time; and~~

~~(a)(b) on the effective date or timeWEM Website. This notice must include advice of any modification or extension under paragraph 2.1.2(b) when the modified or extended date or time takes effect.~~

3. TRANSITIONAL APPLICATIONS FOR AN RCM FACILITY CLASS OR INDICATIVE FACILITY CLASS ASSESSMENT FOR THE 2021, ~~AND 2022~~ AND 2023 RESERVE CAPACITY CYCLES

3.1. Specific requirements for a Registered Facility

- 3.1.1. In accordance with clause 1.45.4, an RCM Market Participant who intends to apply for the certification of Reserve Capacity for a Registered Facility for the 2021, ~~2022~~ or ~~2023~~2022 Reserve Capacity Cycles must apply to AEMO to seek an assessment for an RCM Facility Class, if:
- (a) the Registered Facility's System Size is anticipated to increase or decrease prior to 1 October in Year 3 of the relevant Reserve Capacity Cycle;
 - (b) any new Equipment is planned to be added to the Registered Facility prior to 1 October in Year 3 of the relevant Reserve Capacity Cycle;
 - (c) any Equipment is planned to be removed from the Registered Facility prior to 1 October in Year 3 of the relevant Reserve Capacity Cycle; or
 - (d) the RCM Market Participant considers that registration in a different RCM Facility Class for that Registered Facility is more appropriate than the RCM Facility Class deemed by clause 1.45.3.
- 3.1.2. A RCM Market Participant whose Facility meets the criteria specified under paragraph 3.1.1 must submit an application for an assessment for an RCM Facility Class at least 25 Business Days prior to the date and time specified in clause 4.1.7, or any modifications to this date and time for the relevant Reserve Capacity Cycle made in accordance with clause 1.36A or 1.36B.
- 3.1.3. A RCM Market Participant who applies for an RCM Facility Class assessment for a Registered Facility under paragraph 3.1.1 must include the following information, where applicable, in its application:
- (a) Market Participant name;
 - (b) Facility name;
 - (c) requested RCM Facility Class;
 - (d) the Reserve Capacity Cycle to which the application relates;
 - (e) the expected nameplate capacity of the Energy Producing System as at 1 October in Year 3 of the relevant Reserve Capacity Cycle;
 - (f) the expected Declared Sent Out Capacity of the Facility as at 1 October in Year 3 of the relevant Reserve Capacity Cycle;
 - (g) if the Facility contains an Electric Storage Resource, the sum of the maximum MW ~~consumption~~Offtake Quantity of each Electric Storage Resource expected as at 1 October in Year 3 of the relevant Reserve Capacity Cycle;
 - (h) if the Facility contains an Electric Storage Resource, the expected Contracted Maximum Demand as at 1 October in Year 3 of the relevant Reserve Capacity Cycle;
 - (i) for each Facility Technology Type, the sum of the nameplate capacity of each item of energy producing equipment that is expected to comprise the Facility Technology Type as at 1 October in Year 3 of the relevant Reserve Capacity Cycle;

- (j) the description and configuration of each Facility Technology Type as at 1 October in Year 3 of the relevant Reserve Capacity Cycle;
- (k) if the requested RCM Facility Class is a Semi-Scheduled Facility or a Scheduled Facility, information to support how the Facility will comply with paragraph 5.2.6; and
- (l) where applicable, details of the Equipment proposed to be installed or removed under paragraph 3.1.1(b) or 3.1.1(c).

3.1.4. Applications for an RCM Facility Class assessment in accordance with paragraph 3.1.1 must be prepared using the RCM Facility Class assessment template published by AEMO on the WEM Website.

3.1.5. An RCM Market Participant must submit an application for an RCM Facility Class assessment to AEMO by email to wa.capacity@aemo.com.au.

3.1.6. If an RCM Market Participant who meets the criteria specified in paragraphs 3.1.1(a), 3.1.1(b) or 3.1.1(c) does not apply to AEMO for an RCM Facility Class assessment, or is not assessed for an Indicative Facility Class in accordance with paragraph 4.1.1, the Facility Class for a Registered Facility of an RCM Market Participant will transition to the equivalent RCM Facility Class from the New RCM Transition Date outlined under clause 1.45.3.

3.2. Specific requirements for an unregistered Facility which has been assigned Capacity Credits in a previous Reserve Capacity Cycle

3.2.1. In accordance with clause 1.45.8, a Market Participant who intends to apply for certification of Reserve Capacity for the 2021, ~~2022~~ or ~~2023~~~~2022~~ Reserve Capacity Cycles for a Facility that was unregistered as at the New RCM Transition Date, except where clause 4.8A.1 or 4.8A.3 applies to the Facility or the Planned Facility Upgrade, must apply to AEMO to seek an assessment for an Indicative Facility Class and Indicative Technology Type for that Facility.

3.2.2. A Market Participant who meets the criteria specified under paragraph 3.2.1 must submit an application for an assessment for an Indicative Facility Class and Indicative Facility Technology Type at least 25 Business Days prior to the date and time specified in clause 4.1.7 or any modifications to this date and time for the relevant Reserve Capacity Cycle made in accordance with clause 1.36A or 1.36B.

3.2.3. A Market Participant with an unregistered Facility who applies for an Indicative Facility Class and Indicative Facility Technology Type assessment must provide the following information, where applicable, in its application:

- (a) Facility name;
- (b) the owner of the Facility and the identity of the person submitting the application and contact details;
- (c) the requested Indicative Facility Class;
- (d) the requested Indicative Facility Technology Type;
- (e) details of any intention to apply to AEMO for Facility aggregation in accordance with clause 2.30;

- (f) the Reserve Capacity Cycle to which the application relates;
- (g) expected nameplate capacity of the Energy Producing System for the Facility as at 1 October in Year 3 of the relevant Reserve Capacity Cycle;
- (h) the expected Declared Sent Out Capacity of the Facility as at 1 October in Year 3 of the relevant Reserve Capacity Cycle;
- (i) if the Facility contains an Electric Storage Resource, the sum of the maximum MW [consumption](#) [Offtake Quantity](#) of each Electric Storage Resource as at 1 October in Year 3 of the relevant Reserve Capacity Cycle;
- (j) if the Facility contains an Electric Storage Resource, the expected Contracted Maximum Demand as at 1 October in Year 3 of the relevant Reserve Capacity Cycle;
- (k) for each Facility Technology Type, the sum of the nameplate capacity of each item of energy producing equipment that is expected to comprise the Facility Technology Type as at 1 October in Year 3 of the relevant Reserve Capacity Cycle;
- (l) the description and configuration of each Facility Technology Type as at 1 October in Year 3 of the relevant Reserve Capacity Cycle; and
- (m) if the requested Indicative Facility Class is a Semi-Scheduled Facility or a Scheduled Facility, information to support how the Facility will comply with paragraph 5.2.6.

3.2.4. Applications for an Indicative Facility Class assessment in accordance with paragraph 3.2.1 must be prepared using the Indicative Facility Class assessment template published by AEMO on the WEM Website.

3.2.5. A Market Participant must submit an application for an Indicative Facility Class assessment to AEMO by email to wa.capacity@aemo.com.au.

3.3. Processing applications and notifying applicants

3.3.1. AEMO must acknowledge receipt of an application made under paragraphs 3.1.2 or 3.2.2 by email within two Business Days.

3.3.2. Where AEMO receives an application under paragraph 3.1.2 or 3.2.2, AEMO may request additional information (which may be in the form of supporting evidence specified by AEMO) to support the assessment of an RCM Facility Class, an Indicative Facility Class, or an Indicative Facility Technology Type (as applicable), specifying a date and time for the information to be provided.

3.3.3. Where AEMO receives an application under paragraph 3.2.2, AEMO may (if applicable) verify the application against information already provided to AEMO in a Facility registration form.

3.3.4. Where a discrepancy is identified under paragraph 3.3.3, AEMO may request clarification or additional information, specifying a date and time for the information to be provided.

3.3.5. The applicant must provide additional supporting information specified by AEMO under paragraph 3.3.2 or 3.3.4.

3.3.6. If the applicant does not provide the additional information requested under paragraph 3.3.2 or 3.3.4 by the date and time specified, AEMO must complete the RCM Facility Class assessment, the

Indicative Facility Class assessment, or the Indicative Facility Technology Type assessment (as applicable) using information from the original application.

- 3.3.7. In accordance with clause 1.45.5 and 1.45.11, AEMO must process an application received under paragraph 3.1.2, and must assign an RCM Facility Class and Facility Technology Type.
- 3.3.8. AEMO must notify the applicant of the RCM Facility Class and Facility Technology Type assigned under paragraph 3.3.7 by email, or by a which may be an automatic email notification within through WEMS, by the date and time specified in clause 4.1.7.
- 3.3.9. Where AEMO, as part of conducting an assessment under paragraph 3.3.7 considers that the RCM Facility Class assigned to the Registered Facility is no longer appropriate, or another RCM Facility Class is more appropriate, AEMO must assign that Registered Facility another RCM Facility Class which must be a Facility Class specified in clause 1.45.6A and advise the applicant of the outcome in accordance with paragraph 3.3.8 [clause 1.45.6].
- 3.3.10. An RCM Facility Class determined under paragraph 3.3.7 for at the 2021 Reserve Capacity Cycle continues to apply until in the 2023 2022 Reserve Capacity Cycle, except where the Market Participant submits another application under paragraph 3.1.1. for the 2022 Reserve Capacity Cycle.
- 3.3.11. In accordance with clause 1.45.9, AEMO must process an application received under paragraph 3.2.2, and must assign an Indicative Facility Class and Indicative Facility Technology Type, notifying the applicant of the outcome by email, or by a which may be an automatic email notification within through WEMS, by the date and time specified in clause 4.1.7.
- 3.3.12. Where a Facility is assigned an Indicative Facility Class in accordance with paragraph 3.3.11, for the 2021 Reserve Capacity Cycle, the person is not required to reapply under clause 1.45.8 for a future the 2022 Reserve Capacity Cycle.
- 3.3.13. For the 2021, 2022 and 2023 2022 Reserve Capacity Cycles, where an Indicative Facility Class is assigned to a Facility under paragraph 3.3.11, it is deemed to be the RCM Facility Class.

4. APPLICATIONS FOR AN INDICATIVE FACILITY CLASS AND INDICATIVE FACILITY TECHNOLOGY TYPE ASSESSMENT

4.1. Specific requirements for a new Facility or Planned Facility Upgrade

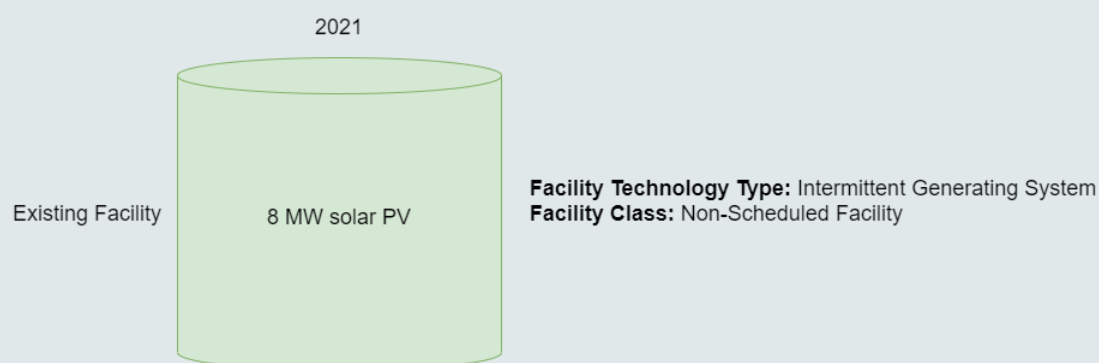
- 4.1.1. Where AEMO receives an Expression of Interest in relation to a new Facility or a Planned Facility Upgrade in accordance with clause 4.2.6, and by the date and time specified in clause 4.1.7, AEMO must [clause 4.8A.1]:
- (a) assign an Indicative Facility Class and an Indicative Facility Technology Type in accordance with paragraph 5, where relevant, to the new Facility or Planned Facility Upgrade; and
 - (b) notify the person who submitted the Expression of Interest by email, which may be an automatic email notification through WEMS, of the Indicative Facility Class and Indicative Facility Technology Type assigned to the new Facility or Planned Facility Upgrade.
- 4.1.2. Where a person submits an Expression of Interest for a Planned Facility Upgrade, AEMO must assess and assign an Indicative Facility Class to the Facility as a whole. For the avoidance of doubt, AEMO's assessment must consider the configuration of the Facility as a whole, including the Planned Facility Upgrade, when setting the Indicative Facility Class.
- 4.1.3. Where information listed under paragraph 3.2.3 is not provided in the Expression of Interest, AEMO may request this information from the applicant in accordance with clause 4.8A.2 and may specify a time and date by which the information must be provided to AEMO.
- 4.1.4. If the person does not comply with the request under paragraph 4.1.3 by the date and time specified, AEMO must not assign an Indicative Facility Class or Indicative Facility Technology Type.
- 4.1.5. For the 2021, [2022](#) and [2023-2022](#) Reserve Capacity Cycles, where an Indicative Facility Class is assigned to a Facility under paragraph 4.1.1, it is deemed to be the RCM Facility Class.
- 4.1.6. A person who submits an Expression of Interest and intends to apply for the certification of Reserve Capacity must:
- (a) be a Market Participant or intend to register as a Market Participant; and
 - (b) either:
 - (i) have registered a Facility; or
 - (ii) intends to register a Facility in accordance with clause 4.9.2, in which case the person must create the intending Facility name in WEMS, in accordance with the Market Procedure: Facility Registration, De-Registration and Transfer, at least 10 Business Days prior to the date and time specified in clause 4.1.7.

Explanatory note 1

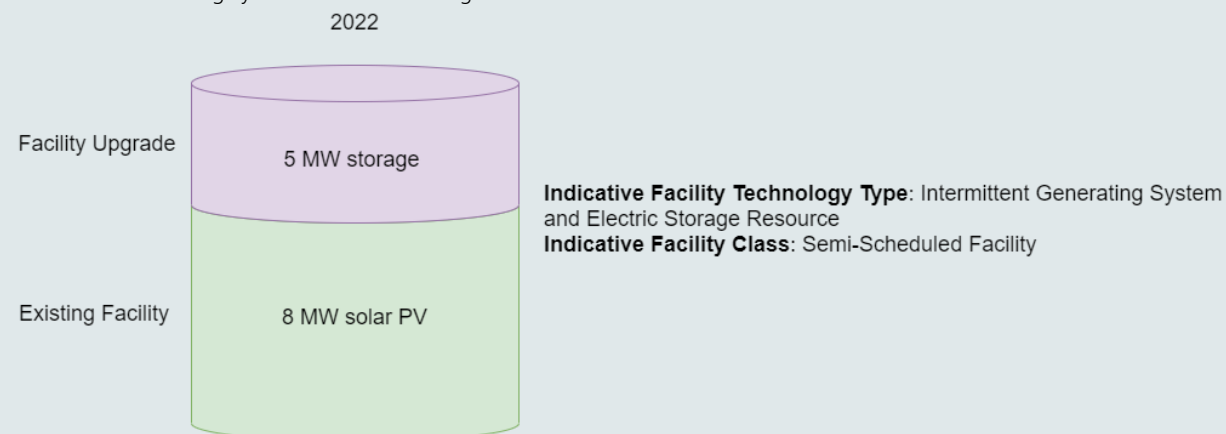
E[A] Treatment of a Planned Facility Upgrade

This explanatory note provides an example of how AEMO will assess a Planned Facility Upgrade for an Indicative Facility Class.

In the 2021 Reserve Capacity Cycle, Facility X is a Registered Facility (8 MW solar PV) with a registered Facility Class of Non-Scheduled Facility and a Facility Technology Type of Intermittent Generating System.



In the 2022 Reserve Capacity Cycle, the Market Participant submits an Expression of Interest for a Planned Facility Upgrade (5 MW storage). AEMO assigns an Indicative Facility Class after considering the capability of the 8 MW solar PV and the 5 MW storage upgrade. AEMO assigns an Indicative Facility Class of Semi-Scheduled Facility and an indicative Facility Technology Type of Intermittent Generating System and Electric Storage Resource.



The Indicative Facility Class and the Indicative Facility Technology Type will be used to assign Certified Reserve Capacity to the existing Facility and the Planned Facility Upgrade in the 2022 Reserve Capacity Cycle.

4.2. Specific requirements for Early Certified Reserve Capacity, ~~or~~ Conditional Certified Reserve Capacity or a Facility subject to a NCESS Contract

4.2.1. A person who intends to apply for:

- (a) Early Certified Reserve Capacity under section 4.28C for a new Facility or a Planned Facility Upgrade; ~~or~~
- (b) Conditional Certified Reserve Capacity under clause 4.9.1(b) for a new Facility; or

(c) Certified Reserve Capacity under clause 4.9.1(a) for a new Facility subject to an NCESS Contract.

must, prior to submitting the application, apply to AEMO for an Indicative Facility Class and one or more Indicative Facility Technology Type to be assigned to the Facility or Planned Facility Upgrade [clause 4.8A.3].

4.2.2. A person who intends to apply for Certified Reserve Capacity under clause 4.9.1(a) for a new Facility that is expected to enter into a NCESS Contract prior to the date and time under clause 4.1.11 and has not submitted an Expression of Interest for the Facility, may apply to AEMO for an Indicative Facility Class and one or more Indicative Facility Technology Types to be assigned to the Facility.

4.2.3. An application for an Indicative Facility Class and Indicative Facility Technology Type assessment under paragraph 4.2.1 or 4.2.2 must:

(a) include the information required under clause 4.4.1 and the information specified in paragraph 3.2.3; and 3.2.3.

(b) be submitted by email to wa.capacity@aemo.com.au.

4.2.1.4.2.4. Where AEMO receives an application under paragraph 4.2.1, AEMO may request clarification or additional information (which may be in the form of supporting evidence specified by AEMO) to support the assessment of an applicable Indicative Facility Class or Indicative Facility Technology Type. The applicant must provide the clarification or the additional information by the time and date specified by AEMO in its request.

4.2.2.4.2.5. In accordance with clause 4.8A.5(c), where AEMO requests information under paragraph 4.2.4, the application is deemed to be withdrawn under clause 4.8A.3 once AEMO receives the clarification or further information.

4.2.3.4.2.6. In accordance with clause 4.8A.6, AEMO must notify the applicant of the assigned Indicative Facility Class and the assigned Indicative Facility Technology Type by email, or by a notification within which may be an automatic email through WEMS, within 30 days of the later of:
(b)(c) receipt of the application under paragraph 4.2.1; or
(e)(d) receipt of additional information requested under paragraph 4.2.4.

4.2.4.4.2.7. For the 2021, and 2022 or 2023 Reserve Capacity Cycles, where an Indicative Facility Class is assigned to a Facility under paragraph 4.2.1, it is deemed to be the RCM Facility Class.

5. ASSESSMENT OF A FACILITY CLASS AND FACILITY TECHNOLOGY TYPE

5.1. Facility Technology Type

- 5.1.1. An assessment of a Facility Technology Type in this paragraph 5.1 relates to:
- a Facility Technology Type assessment in accordance with clause 1.45.11;
 - an Indicative Facility Technology Type assessment submitted under paragraph 3.2.1;
 - an Indicative Facility Technology Type assessment in accordance with paragraph 4.1.1; or
 - an Indicative Facility Technology Type assessment submitted under paragraph 4.2.1.
- 5.1.2. When assigning one or more Indicative Facility Technology Types, AEMO must consider the description and configuration of the Facility.
- 5.1.3. When assigning one or more Facility Technology Types to a Registered Facility, excluding a Planned Facility Upgrade, AEMO must consider the description and configuration of the Facility, and may use information from the Market Participant's application for certification of Reserve Capacity submitted in the 2020 Reserve Capacity Cycle and Facility Standing Data.
- 5.1.4. If the configuration of the Facility includes one or more loads and the applicant has requested a Facility Class of Demand Side Programme, AEMO must assign an Indicative Facility Technology Type of [Non-Dispatchable Load](#).

Explanatory note 2

E[B] Technologies corresponding to each Facility Technology Type

AEMO will assign one or more relevant Facility Technology Types to a Facility based on the technology and fuel that comprise the configuration of that Facility.

The table below provides an example of technologies and fuels that may correspond to a Non-Intermittent Generating System, Intermittent Generating System and Electric Storage Resource.

Facility Technology Type	Technologies/fuel
Non-Intermittent Generating System	<ul style="list-style-type: none"> coal-powered generation gas-powered generation distillate-powered generation dual-fuelled thermal generation other forms of thermal generation
Intermittent Generating System	<ul style="list-style-type: none"> solar photovoltaics wind turbines
Electric Storage Resource	<ul style="list-style-type: none"> electric storage systems pumped hydroelectric

5.2. Facility Class

- 5.2.1. An assessment of a Facility Class in this paragraph 5.2 relates to:
- an RCM Facility Class assessment submitted under paragraph 3.1.2;

- (b) an Indicative Facility Class assessment submitted under paragraph 3.2.2;
 - (c) an Indicative Facility Class assessment in accordance with paragraph 4.1.1; or
 - (d) an Indicative Facility Class assessment in accordance with paragraph 4.2.1.
- 5.2.2. In accordance with clause 2.29.2, AEMO must only assign one RCM Facility Class or Indicative Facility Class per Facility.
- 5.2.3. Where an applicant requests an RCM Facility Class or Indicative Facility Class of Demand Side Programme in accordance with paragraph 3.1.3, 3.2.3, 4.2.3, or where paragraph 4.1.3 applies, AEMO must determine an RCM Facility Class or Indicative Facility Class of Demand Side Programme.
- 5.2.4. Where a Facility contains an Energy Producing System with a System Size of less than 10 MW and the applicant requests an RCM Facility Class or Indicative Facility Class of Non-Scheduled Facility in accordance with paragraph 3.1.3, 3.2.3, 4.2.3 or where paragraph 4.1.3 applies, AEMO must assign an RCM Facility Class or Indicative Facility Class of Non-Scheduled Facility.
- 5.2.5. AEMO must not assign a RCM Facility Class or Indicative Facility Class of Non-Scheduled Facility to a Facility with a System Size greater than or equal to 10 MW.
- 5.2.6. When determining a RCM Facility Class or Indicative Facility Class of Semi-Scheduled Facility or Scheduled Facility, AEMO must take into account the extent to which the relevant Facility is controllable as follows:
- (a) a Scheduled Facility must be able to respond to a Dispatch Target from AEMO such that it can maintain its Injection or Withdrawal within a Tolerance Range for a specified period;
 - (b) a Semi-Scheduled Facility cannot meet the criterion in paragraph 5.2.6(a); however, the Facility must be able to reduce the ~~absolute~~ value of its Injection or [increase the value of its](#) Withdrawal to comply with a Dispatch Cap issued by AEMO.
- 5.2.7. AEMO must consider the Facility Technology Types comprising the Facility when assessing an applicable RCM Facility Class or Indicative Facility Class for the Facility.
- 5.2.8. Where the Facility contains an Energy Producing System, has a System Size of equal to or greater than 10 MW or the applicant has requested an RCM Facility Class or Indicative Facility Class of Semi-Scheduled Facility or Scheduled Facility, AEMO must determine an RCM Facility Class or Indicative Facility Class in accordance with the following criteria:
- (a) where the Energy Producing System comprises only a Non-Intermittent Generating System, or an Electric Storage Resource, or both, an RCM Facility Class or Indicative Facility Class of Scheduled Facility; or
 - (b) where the Energy Producing System comprises only an Intermittent Generating System, an RCM Facility Class or Indicative Facility Class of Semi-Scheduled Facility.

5.2.9. Where the Facility contains an Energy Producing System that comprises a combination of (first) an Intermittent Generating System and (second) a Non-Intermittent Generating System and an Electric Storage Resource, or both, AEMO must determine the proportion of the Facility that is intermittent in accordance with paragraph 5.2.10.

5.2.10. AEMO must determine the proportion of a Facility that is intermittent as follows:

$$\text{Intermittency}(f) = \frac{(\text{Nameplate}(IGS))}{(\text{Nameplate}(EPS))}$$

Where the variables are defined in the table below:

Table 3 Variables in the intermittency calculation

Variable	Unit	Definition
Intermittency (f)	%	Proportion of a Facility that is intermittent
Nameplate (IGS)	MW	Nameplate capacity of the Intermittent Generating System
Nameplate (EPS)	MW	Nameplate capacity of the Energy Producing System

5.2.11. Where the Facility meets the criteria in paragraph 5.2.9 and the proportion of the Facility that is intermittent is equal to or greater than 50%, as determined under paragraph 5.2.10, AEMO must assign an RCM Facility Class or Indicative Facility Class of Semi-Scheduled Facility, unless:

- (a) the applicant requests an RCM Facility Class or Indicative Facility Class of a Scheduled Facility; and
- (b) the applicant provides sufficient evidence that the Facility (if required by AEMO) could respond to a Dispatch Target such that it can maintain its Injection or Withdrawal within a Tolerance Range for a specified period,

in which case AEMO must assign an RCM Facility Class or Indicative Facility Class of Scheduled Facility.

5.2.12. Where the Facility meets the criteria in paragraph 5.2.9 and the proportion of the Facility that is intermittent is less than 50%, as determined under paragraph 5.2.10, AEMO must assign an RCM Facility Class or Indicative Facility Class of Scheduled Facility, unless:

- (a) the applicant requests an RCM Facility Class or Indicative Facility Class of a Semi-Scheduled Facility; and
- (b) the applicant provides sufficient evidence that the Facility (if required by AEMO) could not respond to a Dispatch Target such that it can maintain its Injection or Withdrawal within a Tolerance Range for a specified period,

in which case AEMO must assign an RCM Facility Class or Indicative Facility Class of Semi-Scheduled Facility.

APPENDIX A. RELEVANT CLAUSES OF THE WEM RULES

Table 4 details:

- (a) the head of power clauses in the WEM Rules under which the Procedure has been developed; and
- (b) each clause in the WEM Rules requiring an obligation, process or requirement be documented in a WEM Procedure, where the obligation, process or requirement has been documented in this Procedure.

Table 4 Relevant clauses of the WEM Rules

Clause
4.8A.1(a)
4.8A.1(b)
4.8A.2
4.8A.3
4.8A.5(a)
4.8A.5(b)
4.8A.5(c)
4.8A.6
4.8A.7(a)
4.8A.7(b)
4.8A.7(c)
4.8A.7(d)
1.45.4
1.45.5
1.45.6
1.45.8
1.45.9