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## Wholesale Electricity Market Rule Change Proposal

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**Change Proposal No:** RC\_2010\_16

**Received date:** 30 June 2010

### Change requested by

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<b>Organisation:</b>	Independent Market Operator
<b>Address:</b>	
<b>Date submitted:</b>	30 June 2010
<b>Urgency:</b>	High
<b>Change Proposal title:</b>	Updates to Reserve Capacity Obligation Provisions
<b>Market Rule(s) affected:</b>	4.1.26 and 4.26.1

### Introduction

Clause 2.5.1 of the Wholesale Electricity Market Rules (Market Rules) provides that any person (including the Independent Market Operator (IMO)) may make a Rule Change Proposal by completing a Rule Change Proposal Form that must be submitted to the IMO.

This Change Proposal can be posted, faxed or emailed to:

#### Independent Market Operator

Attn: Troy Forward, Manager Market Development and System Capacity  
PO Box 7096  
Cloisters Square, Perth, WA 6850  
Fax: (08) 9254 4399  
Email: [market.development@imowa.com.au](mailto:market.development@imowa.com.au)

The IMO will assess the proposal and, within 5 Business Days of receiving this Rule Change Proposal form, will notify you whether the Rule Change Proposal will be progressed further.

In order for the proposal to be progressed, all fields below must be completed and the rule change proposal must explain how it will enable the Market Rules to better contribute to the achievement of the wholesale electricity market objectives. The objectives of the market are:

- (a) to promote the economically efficient, safe and reliable production and supply of electricity and electricity related services in the South West interconnected system;

- (b) to encourage competition among generators and retailers in the South West interconnected system, including by facilitating efficient entry of new competitors;
- (c) to avoid discrimination in that market against particular energy options and technologies, including sustainable energy options and technologies such as those that make use of renewable resources or that reduce overall greenhouse gas emissions;
- (d) to minimise the long-term cost of electricity supplied to customers from the South West interconnected system; and
- (e) to encourage the taking of measures to manage the amount of electricity used and when it is used.

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## Details of the proposed Market Rule Change

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### 1. Describe the concern with the existing Market Rules that is to be addressed by the proposed Market Rule change:

#### Background

The IMO has recently implemented a number of amendments to the Market Rules relating to the entry of new participants into the South West interconnected system (SWIS):

- Changing the Window of Entry into the Reserve Capacity Mechanism (RC\_2009\_11); and
- Updates to Commissioning Provisions (RC\_2009\_08).

Further details of the specific amendments which resulted from these Rule Change Proposals are provided below.

#### **Changing the Window of Entry into the Reserve Capacity Mechanism (RC 2009 11)**

This Rule Change Proposal, which commenced 1 December 2009, shifted the four month window in which new capacity can enter the Reserve Capacity Mechanism after commissioning. This shift was from 1 August – 30 November to 1 June – 1 October of the relevant Capacity Year for the 2010 Reserve Capacity Cycle onwards.

Clause 4.1.26 of the Market Rules was amended to state that for Reserve Capacity Cycles from 2010 onwards Market Participants' Reserve Capacity Obligations would apply from the Trading Day commencing:

- 1 October of Year 3, for Facilities that were previously commissioned; or
- from the Trading Day commencing on the scheduled date of commissioning, for Facilities commissioned between 1 June and 1 October of Year 3.

This amendment to the window of entry for facilities undertaking commissioning is represented diagrammatically below:

### Reserve Capacity Market Obligations for new generating systems

Reserve Capacity Cycles up to and including 2009:



2010 Reserve Capacity Cycle onwards:



Further details regarding RC\_2009\_11 are available on the IMO's webpage: [http://www.imowa.com.au/RC\\_2009\\_11](http://www.imowa.com.au/RC_2009_11)

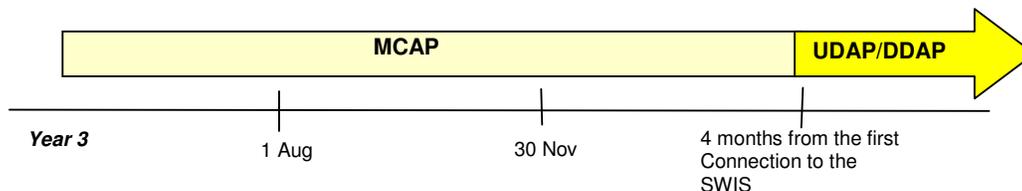
### Updates to Commissioning Provisions (RC 2009\_08)

This Rule Change Proposal, which commenced 1 June 2010, introduced the concept of allowing for late commissioning in the Market Rules. In particular, new generators can now conduct Commissioning Tests post 30 November (for the 2010 Capacity Year onwards) for a period of up to four months from first connection to the SWIS without:

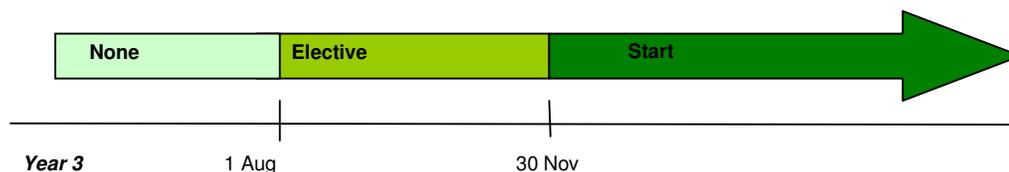
- needing to operate in the energy market;
- submitting Resource Plans; or
- being subject to UDAP and DDAP payments.

The proposal also separated the treatment of the Reserve Capacity Market and the energy market for new entrants as follows (for the 2010 Capacity Year onwards):

### Energy Market Payments



### Reserve Capacity Market Obligations



Clause 4.1.26 of the Market Rules specifies when Reserve Capacity Obligations apply for generating systems. In order to accommodate the shift in the window of entry (which commenced 1 December 2009) this Rule Change Proposal amended this clause to introduce the concept of late commissioning after 1 October in Year 3 of the Reserve Capacity Cycle for the 2010 Reserve Capacity Cycle onwards. Likewise clause 4.26.1A, which relates to the calculation of Forced Outage refunds, was amended to make the Forced Outage Shortfall 100 percent of the Capacity Credits assigned to the relevant new generating system in the case where it:

- will still be undertaking an approved Commissioning Test after 1 October (that is they have already begun commissioning); and
- has yet to have commenced operation and will have a Commissioning Test Period after 1 October (that is it will be late commissioning).

Further details regarding RC\_2009\_08 are available on the IMO's webpage: [http://www.imowa.com.au/RC\\_2009\\_08](http://www.imowa.com.au/RC_2009_08)

#### **Issue with clause 4.1.26**

Under the current drafting of clause 4.1.26 it is unclear when the Reserve Capacity Obligations apply for new generating systems for Reserve Capacity Cycles up to and including 2009. That is for late commissioning generators entering the market during the 2010 – 2011 Capacity Years (Year 3 of the 2008 and 2009 Reserve Capacity Cycles), it is not clear that their Reserve Capacity Obligations will apply from 30 November of Year 3.

#### **Issue with clause 4.26.1A**

The current methodology for calculating the Forced Outage refund for each facility does not distinguish between when Reserve Capacity Obligations apply for Reserve Capacity Cycles up to and including 2009 (30 November) and from 2010 onwards (1 October). Consequently generating systems entering the market during the 2010 and 2011 Capacity Years will have Forced Outage refunds calculated for each facility from 1 October onwards despite their Reserve Capacity Obligations not applying until 30 November of Year 3.

#### **Proposal**

This Rule Change Proposal seeks to clarify when Reserve Capacity Obligations apply for late commissioning facilities with regard to the changed window of entry into the Reserve Capacity Mechanism from the 2010 Capacity Year onwards. To correct these identified issues, the IMO proposes to amend the drafting as follows:

- Clause 4.1.26 – to specify that for Reserve Capacity Cycles up to and including 2009, Reserve Capacity Obligations will apply from 30 November of Year 3 for new generating systems undertaking late Commissioning Tests; and
- Clause 4.26.1A – to specify that a Forced Outage refund will be calculated for generating systems either currently undergoing approved Commissioning Tests or which will be undertaking late Commissioning Tests from:

- 30 November of Year 3 for Reserve Capacity Cycles up to and including 2009; and
- 1 October of Year 3 for Reserve Capacity Cycles from 2010 onwards.

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## 2. Explain the reason for the degree of urgency:

This Rule Change Proposal will correct a manifest error which for Reserve Capacity Cycles up to and including 2009 will result in a Forced Outage refund being calculated for facilities from 1 October, despite their capacity obligations not commencing until 30 November. The IMO considers that this was an oversight which requires correction to ensure consistency with the original intent of both RC\_2009\_08 and RC\_2009\_11.

The proposal also includes a minor correction to amend the drafting of clause 4.1.26, to clarify the dates by which Reserve Capacity Obligations apply for new generating systems undertaking late Commissioning Tests during Reserve Capacity Cycles up to and including 2009. It does not seek to amend the operation of the Market Rules and is consistent with the intent of RC\_2009\_11.

As such the proposal fulfils both sub-clause 2.5.9(a) and 2.5.9(b) and therefore maybe be fast-tracked.

Section 2.5.9 states:

*The IMO may subject a Rule Change Proposal to the Fast Track Rule Change Process if, in its opinion, the Rule Change Proposal:*

- (a) *is of a minor or procedural nature; or*
- (b) *is required to correct a manifest error; or*
- (c) *is urgently required and is essential for the safe, effective and reliable operation of the market or the SWIS.*

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## 3. Provide any proposed specific changes to particular Rules: (for clarity, please use the current wording of the Rules and place a ~~strikethrough~~ where words are deleted and underline words added)

4.1.26. Reserve Capacity Obligations apply:

- (a) in the case of the first Reserve Capacity Cycle:
  - i. from the Initial Time, for Facilities that were commissioned before Energy Market Commencement;
  - ii. from the Trading Day commencing on the scheduled date of commissioning, as specified in accordance with clause 4.10.1(c)(iii)(7),

- for Scheduled Generators and Non-Scheduled Generators commissioned between Energy Market Commencement and 30 November 2007, inclusive; and
- iii. from the Trading Day commencing on 1 October 2007 for Interruptible Loads, Curtailable Loads or Dispatchable Loads commissioned after Energy Market Commencement; and
- (b) for subsequent Reserve Capacity Cycles up to and including 2009:
- i. from the Trading Day commencing on 1 October of Year 3, for Facilities that were commissioned as at the scheduled time of the Reserve Capacity Auction for the Reserve Capacity Cycle as specified in clause 4.1.18(a) or for Facilities which have provided Capacity Credits in one or both of the two previous Reserve Capacity Cycles; and
- ii. from the Trading Day commencing on the scheduled date of commissioning, as specified in accordance with clause 4.10.1(c)(iii)(7), or as revised in accordance with clause 4.27.11A or clause 4.27.11D, for Facilities commissioned between 1 August of Year 3 and 30 November of Year 3; and
- iii. from the Trading Day commencing on 30 November of Year 3, for new generating systems undertaking Commissioning Tests after 30 November of Year 3; and
- (c) for subsequent Reserve Capacity Cycles from 2010 onwards:
- i. from the Trading Day commencing on 1 October of Year 3, for Facilities that were commissioned as at the scheduled time of the Reserve Capacity Auction for the Reserve Capacity Cycle as specified in clause 4.1.18(a) or for Facilities which have provided Capacity Credits in one or both of the two previous Reserve Capacity Cycles;
- ii. from the Trading Day commencing on the scheduled date of commissioning, as specified in accordance with clause 4.10.1(c)(iii)(7), or as revised in accordance with clause 4.27.11A or clause 4.27.11D, for Facilities commissioned between 1 June of Year 3 and 1 October of Year 3; and
- iii. from the Trading Day commencing on 1 October of Year 3, for new generating systems undertaking Commissioning Tests after 1 October of Year 3.

4.26.1A. The IMO must calculate the Forced Outage refund for each Facility (“**Facility Forced Outage Refund**”) as the lesser of:

- (a) the sum over all Trading Intervals  $t$  in Trading Month  $m$  of the product of:

- i. the Off-Peak Trading Interval Rate or Peak Trading Interval Rate determined in accordance with the Refund Table applicable to Trading Interval  $t$ ; and
- ii the Forced Outage Shortfall in Trading Interval  $t$ ,

where the Forced Outage Shortfall for a Facility is equal to which ever of the following applies:

- iii if the Facility is required to have submitted a Forced Outage under clause 3.21.4, the Forced Outage in that Trading Interval measured in MW; or
  - iv. if the Facility is an Intermittent Facility which is deemed to have not been commissioned, for the purposes of clause 4.26.1, the number of Capacity Credits associated with the relevant Intermittent Facility; or
  - v. if, from the Trading Day commencing on 30 November of Year 3 for Reserve Capacity Cycles up to and including 2009 or 1 October of Year 3 for Reserve Capacity Cycles from 2010 onwards, the Facility is undergoing an approved Commissioning Test and, for the purposes of permission sought under clause 3.21A.2, is a new generating system, the number of Capacity Credits associated with the relevant Facility; or
  - vi. if, from the Trading Day commencing on 30 November of Year 3 for Reserve Capacity Cycles up to and including 2009 or 1 October of Year 3 for Reserve Capacity Cycles from 2010 onwards, the Facility is not yet undergoing an approved Commissioning Test and, for the purposes of permission sought under clause 3.21A.2, is a new generating system, the number of Capacity Credits associated with the relevant Facility; and
- (b) the total value of the Capacity Credit payments associated with the relevant Facility paid or to be paid under these Market Rules to the relevant Market Participant for the 12 Trading Months commencing at the start of the Trading Day of the most recent 1 October, assuming the IMO acquires all of the Capacity Credits associated with that Facility and the cost of each Capacity Credit so acquired is determined in accordance with clause 4.28.2(b), (c) and (d) (as applicable), less all Facility Forced Outage Refunds applicable to the Facility in previous Trading Months falling in the same Capacity Year.

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**4. Describe how the proposed Market Rule change would allow the Market Rules to better address the Wholesale Market Objectives:**

The IMO considers that the proposed changes, which correct a manifest error in the current Market Rules, are consistent with the market objectives.

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**5. Provide any identifiable costs and benefits of the change:**

**Costs:**

The IMO considers that there will be no additional costs for settlement system changes to implement the proposed changes other than those already incurred for RC\_2009\_11 and RC\_2009\_08.

**Benefits:**

The proposed Amending Rules will:

- Remove the manifest error where for Reserve Capacity Cycles up to and including 2009, Facilities currently undertaking commissioning or planning on undertaking late commissioning will have Forced Outage refunds calculated for them from 1 October, despite their capacity obligations not applying until 30 November; and
- Ensure clarity of when Reserve Capacity Obligations apply for new commissioning units entering the market prior to the 2010 Reserve Capacity Cycle.