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1. THE RULE CHANGE PROPOSAL

1.1. The Submission

On 1 September 2009 the Independent Market Operator (IMO) submitted a Rule Change Proposal regarding the amendment of clause 4.26.2D the Wholesale Electricity Market Rules (Market Rules).

This Rule Change Notice is published according to clause 2.5.7 of the Market Rules, which requires the IMO to publish a notice within seven Business Days of receiving a Rule Change Proposal.

1.1.1 Submission details

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Urgency:	Fast Track Rule Change Process
Change Proposal title:	Determination of Capacity Shortfalls for Curtailable Loads
Market Rule(s) affected:	Clause 4.26.2D

1.2. Details of the Proposal

Background

The review of Demand Side Management (DSM) undertaken by the DSM Working Group (established under the auspices of the Market Advisory Committee) resulted in a number of recommendations to:

- Maximise the operational efficiency of DSM;
- Recognise the operational requirements of DSM providers (the end-use customers);
 and
- Ensure consistency with obligations placed on generation Facilities.

The major outcome of the review is the staged Amending Rules which resulted from the Rule Change Proposal titled Demand Side Management – Operational Issues (RC_2008_20). The IMO, in making its decision to approve RC_2008_20 considered that the amendments would ensure the reliability of DSM programmes in the operation of the market and promote greater competition with existing retailers. Further details of the proposal are available on the IMO's website: http://www.imowa.com.au/RC_2008_20



One outcome of RC_2008_20 was the introduction of the concept that a DSM provider would be required to return all of its Reserve Capacity Payments by way of refunds if it completely failed to meet its maximum level requirements.

In particular, clause 4.26.3A of the Amending Rules defines that the level of refund to apply in any Trading Interval is determined based on the amount of Capacity Shortfall, measured in terms of MWh, as a proportion of the total MWh reduction that the Curtailable Load should have delivered if called to the maximum level for the maximum allowable time. The total amount of refunds payable in a year is capped at the level of Reserve Capacity payment. This is similar to the concept which applies for generation Facilities.

Clause 4.26.2D of the Market Rules outlines the methodology for calculating the "Capacity Shortfall" in Reserve Capacity supplied by each Market Participant holding Capacity Credits associated with a Curtailable Load. The value is determined for each Trading Interval relative to its Reserve Capacity Obligation for capacity certified as either:

- Reserve Capacity expected to be available; or
- Stipulated Default Load.

This information is then used in clause 4.26.3A to determine the value of the Capacity Cost Refunds associated with the Market Participant's Curtailable Load.

Note that the Amending Rules 4.26.3A, 4.26.2D and the Amending Rules introducing the concept of Capacity Cost Refunds associated with Curtailable Loads (clause 4.26.3) will commence on 1 October 2009.

Issue with clause 4.26.2D

The current methodology for determining the Capacity Shortfall for capacity certified as Stipulated Default Load does not specify that clause 4.26.2D(b)(ii) will only apply as a result of System Management's Dispatch Instruction (as shown in clause 4.26.2D(a)(ii) for Reserve Capacity expected to be available).

As a result a Curtailable Load which has not been requested by System Management to drop to its Stipulated Default Load and so is operating normally in the market will also be required to make Capacity Cost Refunds.

Evaluation of impacts of current drafting

To evaluate the impacts of the current drafting of clause 4.26.2D consider a Curtailable Load which has nominated a stipulated default load of 20 MW, and which normally operates at 100 MW (therefore has 80 Capacity Credits assigned to it). It is assumed that it is available for 24 hours a year (H = 24).

Capacity Shortfall and Capacity Cost Refund (Current)

Under the current drafting of clause 4.26.2D(b) the Curtailable Load will have a Capacity Shortfall for each Trading Interval of the greater of:



- zero; and
- twice the absolute value of the Metered Schedule minus the Stipulated Default Load

For the given example the Capacity Shortfall will be:

$$= 2 \times 50 \text{ MW} - 20 \text{ MW} = 80 \text{ MW}$$

The refund then payable for an interval is determined under clause 4.26.3A of the Market Rules which specifies that the Capacity Cost Refund is equal to the lesser of either:

• Clause 4.26.3A(a):

Where:

Capacity Cost Refunds refer to those applicable to the Market Participant in previous Trading Months failing in the same Capacity Year as Trading Month m; or

Clause 4.26.3A(b):

Where:

S is the Capacity Shortfall in MW determine in accordance with clause 4.26.2D in any Trading Interval; and

H is the maximum number of hours that the Facility was certified to be available in accordance with clause 4.10.1(f)(ii).

For the given example the refund payable for each interval under clause 4.26.3A(b) will be:

$$=\frac{1}{48}$$
 of the total yearly capacity payments

That is the refund payable for each interval will be equivalent to 1/48th of the total amount to be paid by the Market Participant in the Reserve Capacity Year. This payment will be required for the 48 intervals (24 hours) of operation until the cap specified in clause 4.26.3A(a) is reached and will be required in the situation where the Market Customer is:



- operating normally;
- meeting the Stipulated Default Load Dispatch Instructions; or
- failing to meet the Stipulated Default Load Dispatch Instructions.

The IMO considers that requiring Market Participants to make refunds for the first two situations is counterintuitive and does not achieve the intended outcome of RC 2008 20.

Proposal

Based on the outcomes of the IMO's evaluation, the IMO proposes to amend the drafting for clause 4.26.2D(b) to specify that the Capacity Shortfall would equal zero in each interval unless a Dispatch Instruction is issued by System Management and the participant does not meet the Stipulated Default Load requirements as notified in the Dispatch Instruction (similar treatment to clause 4.26.2D(a)).

The IMO contends that this will result in Market Participants with Stipulated Default Loads not having to pay refunds when operating normally in the market or when meeting any Dispatch Instruction issued by System Management. In the case where a Dispatch Instruction has been issued, and the Stipulated Default Load was not met, Market Participants will be required to refund the amount of Capacity Credits equivalent to the amount by which the Stipulated Default Load was not met, as was originally intended by RC 2008 20.

Capacity Shortfall and Capacity Cost Refund (Proposed)

For the given example, the Capacity Shortfall under the proposed Amending Rules would be equal to zero as no Dispatch Instruction had been issued by System Management and the Capacity Cost Refund would be:

$$= \frac{12 \times Monthly Reserve Capacity Price \times 0}{2 \times 24}$$

= 0

That is the Market Participant will not be required to make a Capacity Cost Refund for the Trading Interval as they have not failed to meet any relevant Dispatch Instructions issued by System Management or have been operating normally in the market.



1.3. The Proposal and the Wholesale Market Objectives

The IMO considers that the proposed changes, which correct a manifest error in the determination of Capacity Shortfalls for Stipulated Default Loads, are consistent with the market objectives.

2. WHETHER THE PROPOSAL WILL BE PROGRESSED FURTHER

The IMO has decided to proceed with this proposal on the basis that its preliminary assessment indicated that the proposal is consistent with the Wholesale Market Objectives.

The IMO has decided to process this Rule Change Proposal using the Fast Track Rule Change Process, described in section 2.6 of the Market Rules, on the basis that it satisfies the criteria in clause 2.5.9(b) of the Market Rules.

The proposed amendments are required to correct a manifest error which incorrectly results in Market Generators with Stipulated Default Loads being required to make Capacity Cost Refunds in the case where a Dispatch Instruction has not been issued by System Management. This is an obvious error which consequently does not meet the original intent of the changes proposed by RC_2008_20 and will potentially result in monetary consequences to effected Market Participants. As such, it fulfils sub-clause 2.5.9(b), in that it is required to correct a manifest error, and therefore may be fast-tracked:

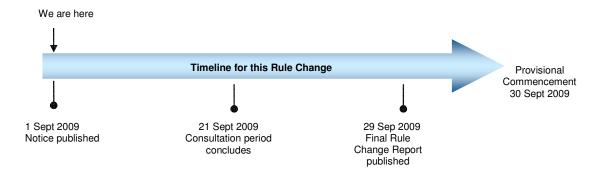
Section 2.5.9 states:

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;
- (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

The projected timelines for processing this proposal are:





Please note that the commencement date is provisional and may be subject to change in the Final Rule Change Report

3. CALL FOR SUBMISSIONS

Any Rule Participant wishing to be consulted regarding this Rule Change Proposal is invited to notify the IMO within 5 Business Days of this notice being published (5:00pm Monday 7 September 2009).

The IMO prefers to receive submissions by email to **market.development@imowa.com.au** using the submission form available on the IMO website: http://www.imowa.com.au/rule-changes

Submissions may also be sent to the IMO by fax or post, addressed to:

Independent Market Operator Attn: Manager Market Development and System Capacity PO Box 7096 Cloisters Square, Perth, WA 6850

Fax: (08) 9254 4399

4. PROPOSED AMENDING RULES

The IMO proposes the following amendments to the Market Rules (deleted words, <u>added</u> words):

- 4.26.2D. The IMO must determine the capacity shortfall ("Capacity Shortfall") in Reserve Capacity supplied by each Market Participant p holding Capacity Credits associated with a Curtailable Load in each Trading Interval t of Trading Day d and Trading Month m relative to its Reserve Capacity Obligation Quantity as:
 - (a) for capacity certified in accordance with clause 4.10.1(f)(i)(1), the greater of



- i. zero; and
- ii. where System Management has issued a Dispatch Instruction, the required decrease, in MW, as a result of System Management's Dispatch Instruction minus the load reduction, where the load reduction is equal to the Relevant Demand set in clause 4.26.2C minus twice the absolute value Metered Schedule for the Trading Interval, and
- (b) for capacity certified in accordance with clause 4.10.1(f)(i)(2), the greater of
 - i. zero; and
 - ii. where System Management has issued a Dispatch Instruction, twice the absolute value of the Metered Schedule, minus the Stipulated Default Load.

5. ABOUT RULE CHANGE PROPOSALS

Clause 2.5.1 of the Market Rules provides that any person (including the IMO) may make a Rule Change Proposal by completing a Rule Change Proposal Form and submit this to the IMO.

The IMO will assess the proposal and, within 5 Business Days of receiving the proposal form, will notify the proponent whether the proposal will be progressed further.

In order for the proposal to be progressed the change proposal must explain how it will enable the Market Rules to better contribute to the achievement of the Wholesale Market Objectives. The market objectives 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.



A Rule Change Proposal can be processed using a Standard Rule Change Process or a Fast Track Rule Change Process. The standard process involves a combined 10 weeks public submission period, while the fast track process involves the IMO consulting with Rule Participants who either advise the IMO that they wish to be consulted or the IMO considers have an interest in the change.

