EN403*

ELECTRICITY INDUSTRY ACT 2004
ELECTRICITY INDUSTRY (WHOLESALE ELECTRICITY MARKET) REGULATIONS 2004
WHOLESALE ELECTRICITY MARKET RULES
Amending Rules No. 2 (December 2006)

I, Francis Logan, Minister for Energy for the State of Western Australia, under regulation 6(2) of the *Electricity Industry (Wholesale Electricity Market) Regulations 2004* hereby make the amending rules contained in this document.

Amending Rule 1 is to commence at a date to be determined by the Minister, and published in the *Gazette*.

Amending Rules 2 to 8 (inclusive), are to commence at 8:00am (WST) on 15 December 2006.

FRANCIS LOGAN MLA, Minister for Energy.

Dated at Perth this 5th day of December 2006.

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1. Market Rule 6.3B.1B added

A new Rule 6.3B.1B to be added as follows—

6.3B.1B If the Market Participant's Standing STEM Submission has not been successfully converted into a daily STEM Submission for the Trading Day in accordance with 6.3B.1A then the IMO must adjust the Standing STEM Submission to make it a valid STEM Submission with respect to the Trading Day. The adjustment will be made as follows—

(a) if the cumulative MWh quantity over all Price-Quantity Pairs is greater than the Maximum Supply Capability as calculated under 6.3A.2(a), the Price-Quantity pairs will be adjusted downward so that the cumulative MWh quantity over all Price-Quantity Pairs equals the Maximum Supply Capability. This will be achieved by deleting successively or reducing the highest price Price-Quantity Pairs until the cumulative MWh quantity over all remaining Price-Quantity Pairs equals the maximum Supply Capability as calculated under 6.3A.2(a);

(b) available dual fuel generators shall be declared to be using the same fuel as in the existing Standing STEM Submission;

(c) any Ancillary Services shall be declared as using Non-Liquid Fuel; and

(d) if the number of Price-Quantity pairs in the modified Portfolio Supply Curve is greater than that allowed by clause 6.6.4, this will be disregarded and the STEM Submission validated.

2. Market Rule 2.27.1A added

A new Rule 2.27.1A to be added as follows—

2.27.1A. A Market Participant may request, during the process of obtaining a relevant Arrangement for Access, that the relevant Network Operator determine and provide to the IMO, Loss Factors to apply to a facility or a Non-Dispatchable Load where there are no Loss Factors applying to the connection point at which the facility or the Non-Dispatchable Load will be connected.

3. Market Rule 2.27.2(c) amended

Deleting the existing clause 2.27.2(c), and replacing it with the following—

2.27.2(c). Loss Factors must be determined using—

i. generation and load meter data from the preceding 12 months; or

iA. for a new facility or a Non-Dispatchable Load, any other relevant data provided by the Market Participant and as agreed with the Network Operator and the IMO, and

ii. an appropriate network load flow software package; and

4. Market Rule 10.5.1(f)ix added

A new Rule 10.5.1(f)ix to be added as follows—

10.5.1(f)ix The following annually calculated and monthly adjusted ratios—

1. NTDL_Ratio as calculated in accordance with Appendix 5, STEP 8;

2. TDL_Ratio as calculated in accordance with Appendix 5, STEP 8; and

3. Total_Ratio as calculated in accordance with Appendix 5, STEP 10.

5. Appendix 5, STEP 8 amended

Deleting the existing Appendix 5, STEP 8 and replacing it with the following—

STEP 8: For each Market Customer, i, calculate—

$$NTDLRCR(i) = Sum(u, NTDL(u) \times d(u,i)) \times NTDL\_Ratio$$

$$TDLRCR(i) = (Sum(v,\underline{M}TDL(v) \times d(v,i))—DSM(i)) \times TDL\_Ratio$$

$$ILRCR(i) = Sum(w, IILRCR(w) \times d(w,i))$$

$$NRR = RR—Sum(i, ILRCR(i))$$

where—

- NTDL_Ratio = NRR/FL
- TDL_Ratio = (NRR—Sum(j, NTDLRCR(j))) / Sum(j, Sum(v,$\underline{M}$TDL(v) $\times$ d(v,j))—DSM(j))
- j indicates Market Customers.

- ILRCR(i) is the Intermittent Load Reserve Capacity Requirement for Market Customer i.
- $MTDL(v) = TDL(v)$ for all v except v^* and $MTLD(v) = TDLn(V^*)$ for $v=v^*$.
- RR is the Reserve Capacity Requirement (potentially modified in accordance with clause 4.28.11A).
- FL is the peak demand associated with that Reserve Capacity Requirement as specified in clause 4.6.2 (potentially modified in accordance with clause 4.28.11A).
- DSM(i) is the MW quantity of additional Demand Side Management demonstrated and agreed by the IMO to be available by the next Hot Season.

6. Appendix 5, STEP 10 amended

Deleting the existing Appendix 5, STEP 10 and replacing it with the following—

STEP 10: The Individual Reserve Capacity Requirement of Market Customer i for Trading Month n of a Capacity Year equals $(X(i) \times$ Total Ratio$)$ where—

- Total Ratio = RR/Y.

  $Y = Sum(i,X(i))$.

- RR is the Reserve Capacity Requirement (as modified in accordance with clause 4.28.11A).

7. Market Rule 3.19.2(b)iii amended

Deleting the existing clause 3.19.2(b)iii, and replacing it with the following—

3.19.2(b)iii the outage may be for any duration and must end before the end of the Trading Day;

8. Market Rule 7.1.3 added

A new Rule 7.1.3 to be added as follows—

7.1.3 System Management may, but is not required to, revise its earlier Dispatch Instructions when advised of Forced Outages during the Trading Day.