
Status Report prepared under
clause 7.12 of the Market Rules by
System Management
22/03/09 to 21/06/09

PUBLIC VERSION



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1 Introduction

1.1 System Management

Western Power is established under section 4(1)(b) of the *Electricity Corporations Act 2005* and has the functions conferred under section 41 of that act.

Part 9 of the *Electricity Industry Act 2004* makes provision for a wholesale electricity market and provides for the establishment of Market Rules.

One of the core functions undertaken by Western Power is the management of the electricity transmission and distribution networks. Regulation 13 of the *Electricity Industry (Wholesale Electricity Market) Regulations 2004* provides that the Market Rules may confer on an entity the function of operating the SWIS in a secure and reliable manner.

Clause 2.2 of the *Wholesale Electricity Market Amending Rules (September 2006)* (**Market Rules**) confers this responsibility upon the segregated (“ring fenced”) business unit of Western Power known as System Management. Amongst these responsibilities, the functions of System Management are to:

- release information required by the Market Rules;
- monitor rule participants compliance with the Market Rules relating to dispatch and power system security and power system reliability; and
- provide regular reports to the IMO and other market participants.

Included in the requirement to monitor and report is this Status Report, described in clause 7.12 of the Market Rules.

1.2 Status Report

System Management has prepared this report pursuant to its obligations under clause 7.12 of the Market Rules, for the period 22/03/2009 to 21/06/2009.

2 Issuance of Dispatch Instructions

During the period, System Management issued a total of 60 Dispatch Instructions to Market Participants.

Of these, 3 were “minimum MW” instructions, 39 were “target MW” instructions, and 18 were instructions to return to the Resource Plan.

3 Non-compliance with Dispatch Instructions

No instances of non-compliance with Dispatch Instructions occurred.

4 Transmission constraints

A “transmission constraint” refers to the configuration of the transmission network that has an effect or potential effect of constraining or otherwise varying the output of a generator. The resultant situation has a generation facility either decrease output, or not increase output as it would if the constraint did not exist.

System Management has identified zero instances of potential or actual transmission constraints during the relevant period that meet the definition above. This does not include any potential or actual transmission constraints arising because of commercial decisions taken by market participants. This also does not include situations where a generator is unable to operate due to planned or unplanned Network outages.

5 Shortfalls in Ancillary Services

No instances of shortfalls in Ancillary Services occurred.

6 Involuntary curtailment of load

No instances of involuntary curtailment of load, requiring major rotational load shedding, occurred.

7 Energy forecasts by intermittent generators

[Material removed for confidentiality reasons].

8 High Risk Operating State

Five instances of a High Risk Operating State occurred.

1. On the 8th April 2009, unusual operating conditions and insufficient generation capacity in the Dispatch Merit Order required a High Risk State in accordance with MR 3.4.1 (i) and MR 3.4.1 (l). Also a market participant was dispatched outside of merit order due to an under frequency event. The High Risk State was required during intervals 14:1 to 18:1.
2. On the 12th April 2009, the SWIS was in a high risk operating state due to the risk of an overload, under-voltage situation or threat to the stability of the power system if a credible contingency occurred for the duration 18:1 on the 12th April until 7:2 on the 13th April.
3. On the 18th May 2009, unusual operating conditions and insufficient generation capacity in Dispatch Merit Order required a High Risk state in accordance with MR 3.4.1 (i) and MR 3.4.1(l). The high risk state was required during intervals 15:1 to 22:1.
4. On the 21st May 2009 there was a major storm near elements of the SWIS which may reasonably affect power system security. A high risk state was required during intervals 8:1 on the 21st May to 16:2 the 22nd May 2009.
5. On the 14th June unusual operating conditions and insufficient demand required a high risk state in accordance with MR 3.4.1(l). The high risk state was required during intervals 4:2 until 6:2.

9 Emergency Operating State

No instances of an Emergency Operating State occurred.