
**Status Report prepared under
clause 7.12 of the Market Rules by
System Management
22 September 2011–21 December 2011**



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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 September 2011 to 21 December 2011.

2 Issuance of Dispatch Instructions

During the period, System Management issued a total of 75 Dispatch Instructions to Market Participants.

Of these, 3 were minimum MW+instructions, 55 were target MW+instructions, and 17 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 High Risk Operating State

Six instances of a High Risk State occurred.

1. On 27 September 2011 a sudden substantial reduction in Wind farm output combined with evening peak load growth placed the system at risk. A High Risk Operating state was called for the period 17:2 to 21:1. No Dispatch Instructions were issued during this period and no further action was taken by System Management.
2. On 02 November 2011 due to an excessive loss of generation and the possibility of Dispatching Generation a High Risk state was called for intervals 10:2 to 20:2. System Management issued 21 Dispatch instructions during this period.
3. On 03 November 2011, due to a fuel supply restriction and the possibility of dispatching generation a High Risk state was called for Intervals 19:1 to 23:2. System Management issued 6 Dispatch Instructions during this period.
4. On 04 December 2011 (trading day), due to a sudden reduction in System Load a High Risk state was called for the period 1:1 to 5:1. During this time System Management issued 7 Dispatch Instructions.
5. On 05 December 2011, due to a fuel supply restriction a High Risk State was called for Intervals 11:2 to 7:2. System Management issued 44 Dispatch Instructions during this period.
6. On 06 December 2011, a High Risk state was called as faults on the Transmission Network were expected to increase due to adverse weather conditions for the period 8:1 to 16:2. No Dispatch Instructions were issued and no further action was taken by System Management.

8 Emergency Operating State

No instances of an Emergency Operating State occurred.

9 Equipment Tests

One instance of an approved Equipment Test by System Management.