
Status Report prepared under
clause 7.12 of the Market Rules by
System Management
01 July 2012 – 30 September 2012



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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 01 July 2012 to 30 September 2012.

2 Issuance of Dispatch and Operating Instructions

During the period, System Management issued a total of 4606 Dispatch Instructions and 108 Operating Instructions to Market Participants.

3 Non-compliance with Dispatch and Operating Instructions

System Management reported 411 instances of non compliance outside of a facilities tolerance range by a Market Participant by the end of their scheduled interval.

System Management identified one instance of non compliance with an Operating Instruction.

4 Incidence and reason for the issuance of Dispatch Instructions to Balancing Facilities Out of Merit

Four instances of potential out of merit dispatches were reported to the IMO.

On 3 July 2012 between 07:30am and 08:30am, a Dispatch Instruction issued to TIWEST_COG1 did not correspond with the BMO at the time. This was due to an operational error associated with the implementation of systems for the new Balancing Market.

On 14 July 2012, due to an operator error, System Management incorrectly sent a Dispatch Instruction to Alinta Pinjarra 1 for a response time of 6:00pm. This Facility was not the correct Facility specified in the BMO. To address the issue, a new dispatch instruction was issued to the correct Facility specified in the BMO and a further dispatch instruction was issued directing Alinta Pinjarra 1 to 0MW.

On 14 July 2012, due to an operator error, System Management incorrectly sent a Dispatch Instruction to Bluewaters 1 for a response time of 1:00pm. This Facility was not the correct Facility specified in the BMO. To address the issue, a new dispatch instruction was issued to the correct Facility specified in the BMO and a further dispatch instruction was issued directing Alinta Pinjarra 1 to 0MW.

On 20 August 2012. Southern Cross Energy was unable to meet their original Dispatch Instruction of 11MW with a response time of 8:00am. System Management's log indicate that Southern Cross Energy updated their BMO bid to 4MW at or around 5:00pm on 20 August 2012. System Management did not issue a new Dispatch Instruction to reflect Southern Cross Energy's revised BMO bid until 11:30am on 21 August 2012.

5 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.

6 Shortfalls in Ancillary Services

There were three instances of shortfalls in Ancillary Services.

1. On 02 July 2012 within delivery interval 13:2 there was a shortfall of 8.582MW. This was due to a large facility (Newgen Kwinana) which tripped at 13:33hrs. System Management issued a Dispatch Advisory (DA666) notifying participants of an excess loss of generation and dispatched as per the BMO.
2. On 13 July 2012 within delivery interval 13:1 there was a shortfall of 4.864MW. This was due to a large facility tripping at 13:15hrs (BWP2_Bluewaters_G1). System Management issued a Dispatch Advisory notification (DA670) and dispatched as per the BMO.
3. On 17 August 2012 within delivery interval 15:2 there was a shortfall of 6.928MW due to a trip of a large facility (Newgen Kwinana) at 15:36hrs. System Management dispatched as per the BMO and no further action was required.

7 Involuntary curtailment of load

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

8 High Risk Operating State

Eighteen instances of a High Risk State occurred.

1. On 23 July 2012 commencing interval 19:1 and ending interval 19:2. System Management issued a High Risk State (DA 672) due to the loss of SCADA visibility for 30 minutes. System Management dispatched as per the relevant BMO.
2. On 26 July 2012 commencing interval 22:2 and ending interval 6:2 on 27 July 2012. System Management issued a High Risk State (DA 677 and DA 678) due to FTP Server failure. System Management was not able to receive an updated BMO. This could have resulted in a facility being dispatch out of merit. System Management's Market Participant Interface (MPI) was also unavailable during this period. System Management dispatched as per the last relevant BMO.
3. On 31 July 2012 commencing interval 18:1 and ending interval 18:2 System Management did not receive the 18:00 BMO and therefore issued a High Risk State (DA 681). System Management dispatched as per the last relevant BMO.
4. On 09 August 2012 commencing interval 18:2 and ending interval 23:1 a High Risk State (DA 685) was called as the IMO had planned a WEMS outage and System Management would not be receiving an updated BMO. This could have resulted in System Management having to dispatch a facility out of merit. System Management dispatched as per the last relevant BMO.
5. On Trading Day 12 August 2012 commencing interval 06:2 on 13 August and ending interval 12:1 on 13 August 2012 System Management issued a High Risk State (DA 686) due to a Major base load generator trip. System Management dispatched as per the relevant BMO
6. On 13 August 2012 commencing interval 11:1 and ending 21:1 System Management issued (DA687) a High Risk State advising the loss of excessive generation and possible dispatch of generation. System Management dispatched as per the relevant BMO.
7. On Trading Day 13 Aug 2012 commencing at interval 4:1 (14 August) and ending interval 9:1 on Trading Day 14 August 2012 System Management issued a High Risk State (DA 688) as the updated BMO was unavailable and there was a possibility of an out of merit dispatch. System Management dispatched as per the last relevant BMO.
8. On 31 August 2012 commencing interval 3:1 and ending interval 9:1 a High Risk State (DA 693) was issued as the latest BMO was not available from the IMO due to internal issues. System Management issued Dispatch Instructions as required using the latest BMO and manually updated BMO records from the IMO.
9. On 03 September 2012 commencing interval 18:1 and ending 04 September at interval 0:1 a High Risk State (DA696) was issued as System Management had not received an updated BMO from the IMO. System Management dispatched as per the last relevant BMO and no further action required.

10. On 03 September 2012 commencing interval 22:2 and ending 04 September interval 6:1 a High Risk State (DA697) was issued as the updated BMO was not being received from the IMO. System Management dispatched as per the last relevant BMO and no further action required.
11. On 04 September 2012 commencing interval 06:2 and ending interval 11:2 a High Risk State (DA698) was called due to IT problems, the BMO data was not automatically received by System Management. System Management issued Dispatch Instructions as required using the latest BMO and manually updated BMO records from the IMO. No further action was required.
12. On 04 September 2012 commencing interval 12:1 and ending interval 15:2 a High risk state (DA699) was called due to IT problems, the BMO data was not automatically received by System Management. System Management issued Dispatch Instructions as required using the latest BMO and manually updated BMO records from the IMO. No further action was required.
13. On 04 September 2012 commencing interval 16:1 and ending interval 18:2 a High risk state (DA700) was called due to IT problems, the BMO data was not automatically received by System Management. System Management dispatched as per the last relevant BMO and no further action was required.
14. On trading day 05 September 2012 commencing interval 23:1 and ending trading day 06 September interval 8:1 a High Risk State (DA701) was called as System Management's Electronic Log book was unavailable. System Management dispatched as per the last relevant BMO and no further action was required.
15. On 06 September 2012 commencing interval 18:1 and ending interval 19:2 a High Risk State (DA702) was called due to IT problems and the BMO data was not being automatically received by System Management. System Management issued Dispatch Instructions as required using the latest BMO and manually updated BMO records from the IMO. No further action was required.
16. On 06 September 2012 commencing interval 19:2 and ending interval 7:2 on 07 September, a High Risk State (DA703) was called due to IT problems and the BMO data was not being automatically received by System Management. System Management dispatched as per the last relevant BMO and no further action was required.
17. On 07 September 2012 commencing interval 10:1 and ending interval 13:1, a High Risk State (DA704) was called due to IT problems and the BMO data was not being automatically received by System Management. System Management dispatched as per the last relevant BMO and no further action was required.

9 Emergency Operating State

No instances of an Emergency Operating State occurred.

10 LFAS Facilities

No current LFAS Merit Order as Verve Energy was the sole provider of this service during the period covered in this report.