

PRE-DISPATCH SENSITIVITIES

PREPARED BY: Electricity Market Performance

DOCUMENT REF: 0140-0060

VERSION: 6.1

DATE: 18 March 2014

FINAL

Disclaimer

This document is made available to you on the following basis:

- (a) **Purpose** – This document has been produced by the Australian Energy Market Operator Limited (**AEMO**) to provide information about the demand scenarios used in calculating pre-dispatch sensitivities, as at the date of publication.
- (b) **No substitute** – This document is not a substitute for, and should not be read in lieu of, the National Electricity Law (**NEL**), the National Electricity Rules (**Rules**) or any other relevant laws, codes, rules, procedures or policies. Further, the contents of this document do not constitute legal or business advice and should not be relied on as a substitute for obtaining detailed advice about the NEL, the Rules, or any other relevant laws, codes, rules, procedures or policies, or any aspect of the national electricity market or the electricity industry.
- (c) **No Warranty** – While AEMO has used due care and skill in the production of this document, neither AEMO, nor any of its employees, agents and consultants make any representation or warranty as to the accuracy, reliability, completeness or suitability for particular purposes of the information in this document.
- (d) **Limitation of liability** - To the extent permitted by law, AEMO and its advisers, consultants and other contributors to this document (or their respective associated companies, businesses, partners, directors, officers or employees) shall not be liable for any errors, omissions, defects or misrepresentations in the information contained in this document, or for any loss or damage suffered by persons who use or rely on such information (including by reason of negligence, negligent misstatement or otherwise). If any law prohibits the exclusion of such liability, AEMO's liability is limited, at AEMO's option, to the re-supply of the information, provided that this limitation is permitted by law and is fair and reasonable.

© 2012 - All rights reserved.

Version Release History

VERSION	DATE	BY	CHANGES
6.0	16.02.12	M Sanders	Removal of Snowy region
6.1	18.03.14	M Sanders	Correction of Victorian offsets in scenarios 25-28

Pre-Dispatch Sensitivities

Pre-dispatch sensitivities – also known as pre-dispatch scenarios – provide information on the potential changes to forecast regional spot prices and interconnector flows between regions as a result of applying pre-defined offsets to the regional demand forecasts used in the base case of pre-dispatch.

Under clause 3.13.4 (h) of the National Electricity Rules, AEMO is required to publish the expected sensitivity of forecast spot prices to changes in forecast load or generating unit availability. To meet this requirement, AEMO – in conjunction with the Dispatch and Pricing Reference Group – has developed a pre-defined set of scenarios to apply to the base case of pre-dispatch. Negative changes in generating unit availability within a region are treated as positive changes in the forecast demand for that region. Concurrent changes across regions are also modelled.

AEMO publishes the spot prices and interconnector flows resulting from the pre-defined scenarios in the MMS Data Model tables¹, and on the AEMO website, in accordance with the spot market operations timetable².

The following table lists the regional demand offsets (in MW) used in each pre-dispatch scenario³. Each row represents a predetermined scenario, identified by a unique scenario ID in the first cell of the row. The numbers in the remaining cells show the pre-defined offsets applied to the base case pre-dispatch demand forecasts for each region (NSW1, QLD1, SA1, TAS1, VIC1) under that scenario. A blank cell indicates no offset.

Please note there are no Scenarios 21-24. These scenario IDs were previously associated with the SNOWY1 region, which was abolished on 1 July 2008.

Regional Demand MW Offsets for Pre-Dispatch Sensitivities

Scenario ID	Region ID				
	NSW1	QLD1	SA1	TAS1	VIC1
1	+100				
2	-100				
3	+200				
4	-200				
5	+500				
6	-500				
7	+1000				
8					+100

¹ Spot prices and interconnector flow results are available from the PREDISPATCHPRICESENSITIVITIES and PREDISPATCHINTERSENSITIVITIES tables of the MMS Data Model. Further information on the structure and content of the MMS Data Model tables is available at

<http://www.aemo.com.au/data/MMSDM%20Report%20v4.17.pdf>. The outcomes of the pre-dispatch sensitivity runs are also available on the AEMO website at:

http://www.nemweb.com.au/REPORTS/CURRENT/Predispatch_Sensitivities/.

² The spot market operations timetable is located at: <http://www.aemo.com.au/electricityops/108-0029.html>.

³ The pre-dispatch scenario offsets are also available from the PREDISPATCHSCENARIODEMAND table of the MMS Data Model.

9					-100
10					+200
11					-200
12					+500
13					-500
14					+1000
15			+50		
16			-50		
17			+100		
18			-100		
19			+200		
20			-200		
25	+200	+100	+50		+100
26	-200	-100	-50		-100
27	+400	+200	+100		+200
28	-400	-200	-100		-200
29		+100			
30		-100			
31		+200			
32		-200			
33		+500			
34		-500			
35		+1000			
36				+50	
37				-50	
38				+100	
39				-100	
40				+150	
41				-150	
42				+300	
43			+500		