

## Electricity Pricing Event Report – Wednesday 13 January 2016\*

**Market Outcomes:** South Australia spot price reached \$503.08/MWh for trading interval (TI) ending 0030 hrs.

FCAS prices in all regions and Energy prices for the other NEM regions were not affected by this event.

**Detailed Analysis:** 5-Minute dispatch prices in South Australia were between \$586.66/MWh and \$591.99/MWh for four dispatch intervals (DIs) between DIs ending 0005 hrs and 0030 hrs. The moderately high price can be attributed to moderate wind generation, shifting and rebidding of generation capacity and unplanned outage of a generator.

- Moderate level of wind generation at 253 MW for TI ending 0030 hrs.
- Northern unit 2 was shutting down due to technical issues.
- Between DI ending 0005 hrs and 0015 hrs, 515 MW of generation capacity was either shifted or rebid from bands priced at less than \$362/MWh to bands priced at more than \$590/MWh.
- Cheaper priced generation was available during the high price interval but limited due to FCAS profile (Northern PS unit 1).
- During the high price intervals, target flow on the Heywood interconnector was limited up to 394 MW towards South Australia by the system normal constraint equation, V::S\_NIL\_MAXG\_AUTO. This constraint equation manages the transient stability limit for the loss of the largest generation block in South Australia.
- During the high price intervals, target flow on the Murraylink interconnector was limited up to 170 MW towards South Australia by the voltage stability constraint equation, V^SML\_NSWRB\_2. This constraint equation avoids voltage collapse in Victoria for loss of the Darlington Point – Buronga (X5) 220 kV line.

South Australia dispatch price reduced to \$356.66/MWh for DI ending 0035 hrs as the demand decreased and a total of 360 MW of generation capacity was shifted from higher priced bands to bands priced at \$362/MWh.

*\* A summary was prepared as the maximum daily spot price was between \$500/MWh and \$2,000/MWh.*