

## Electricity Pricing Event Report – Tuesday 22 March 2016

**Market Outcomes:** Queensland spot price reached \$2,359.62/MWh for trading interval (TI) ending 2230 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 price in Queensland reached \$13,788.88/MWh for Dispatch Interval (DI) ending 2220 hrs. This high price can be attributed to rebidding of generation capacity during a period of limited interconnector support.

Between DIs ending 2205 hrs and 2220 hrs, Stanwell, Alinta, Origin, CS Energy, Millmerran and ERM Power shifted or rebid 1,644 MW of generation capacity from bands priced at or below \$1,400.70/MWh to bands priced at or above \$12,496.11/MWh or the Market Price Cap (MPC) of \$13,800/MWh. Cheaper priced generation was available but required more than one DI to synchronise (Braemar 2 PS unit 6).

For DI ending 2220 hrs, the target flow on the QNI interconnector was limited to 346 MW towards Queensland by the system normal constraint equation N^Q\_NIL\_A. The N^Q\_NIL\_A constraint equation prevents voltage collapse in New South Wales for the loss of Liddell – Muswellbrook no. 83 330kV transmission line. For the same DI, target flow on the Terranora was limited to 11 MW towards Queensland by the same constraint equation.

The 5-minute price reduced to \$26.84/MWh in the DI subsequent to the high priced interval, when demand reduced by 389 MW and 642 MW of generation capacity shifted from bands priced at or above \$33.98/MWh to bands priced at -\$1.03/MWh or the Market Floor Price (MFP) of -\$1000/MWh.

The high 30-minute spot price for Queensland was not forecast in the predispatch schedules as it was a result of rebidding of generation capacity within the affected trading interval.