

Electricity Pricing Event Report – Tuesday 02 February 2016

Market Outcomes: Spot prices in Queensland were between \$1,845.54/MWh and \$3,982.97/MWh for 5 trading intervals (TIs) between 1100 hrs and 1700 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 \$13,799.99/MWh for Dispatch Interval (DI) ending 1100 hrs, \$10,500.1/MWh for DIs ending 1430 hrs, 1555 hrs, 1620 hrs and 1655 hrs, \$12,890/MWh for DI ending 1700 hrs. The high prices can be attributed to high demand and rebidding of generation capacity.

Queensland demand peaked at 9,066 MW for TI ending 1400 hrs. The maximum temperature in Brisbane was 36.1 degrees.

Between DIs ending 1055 hrs and 1100 hrs, CS Energy and Intergen rebid 193 MW of generation capacity from bands priced below \$300/MWh to \$13,799.98/MWh or Market Price Cap (\$13,800/MWh). The rebids were submitted at 1047 hrs (CS Energy) and 1053 hrs (Millmerran) with the reasons '*1047A DISPATCH PRICE HIGHER THAN 30MIN FORECAST-SL*' and '*1052A RRP ABOVE PD*' respectively.

For DI ending 1430 hrs, Stanwell rebid 399 MW of generation capacity from bands priced below \$298/MWh to bands priced above \$12,889/MWh.). The rebid was submitted at 1419 hrs with the reason '*1415A MATERIAL CHANGE IN QLD DEMAND PD1420*'.

For DI ending 1555 hrs, CS Energy rebid 100 MW of generation capacity from bands priced below \$300/MWh to bands priced at Market Price Cap. The rebid was submitted at 1548 hrs with the reason '*1547A DISPATCH PRICE HIGHER THAN 5MIN FORECAST-SL*'.

For DI ending 1620 hrs, CS Energy and Intergen rebid 90 MW of generation capacity from bands priced below \$7/MWh to bands priced at or above \$13,799.98/MWh. The rebid was submitted at 1612 hrs with the reason '*1611A RRP BELOW 5 MIN PD*'.

Between DIs ending 1655 hrs and 1700 hrs, CS Energy, Stanwell and Intergen rebid 306 MW of generation capacity from bands priced below \$300/MWh to Market price cap. Intergen and CS Energy rebids were submitted at 1646 hrs and 1647 hrs, with the reasons '*16:45 A SIG CHANGE IN 5MIN PD RRP FROM VOLL TO 300 DI 16:50*' and '*1646A DISPATCH PRICE LOWER THAN 5MIN FORECAST-SL*' respectively. The Stanwell rebids were submitted at 1649 hrs with the reason '*1650A MATERIAL INCREASE IN QLD GENERATION DI1650: GLADSTONE PS*'.

During the high priced intervals, the target flow on the QNI interconnector was limited up to 234 MW towards Queensland by the outage constraint equation, N^{^^}Q_LS_VC_B1. This constraint equation prevents voltage collapse in New South Wales for the loss of Kogan Creek power station during the outage of the Lismore SVC. The target flow on the Terranora interconnector was limited upto 4 MW by the outage constraint equation, N_X_MBTE2_A. This constraint equation manages the outage of two Directlink cables.

Cheaper priced generation was available but required more than one DI to synchronise (Mt Stuart 1, Townsville GT).

The 5-minute prices in Queensland reduced below \$70/MWh in the DIs subsequent to the high priced intervals, when demand decreased by upto 345 MW. Upto 340 MW of generation capacity was also rebid from bands priced above \$10,500/MWh to lower priced bands.

The high Queensland spot prices for TIs ending 1600 and 1700 hrs were forecast in the predispach schedules.