



ElectraNet Regulatory Performance Report 2017-18

Key messages

- ▶ In 2017-18, ElectraNet met all of its three restoration service standards.
- ▶ ElectraNet reported decreases in both the number and average duration of supply interruptions, primarily due to the lack of severe weather events.
- ▶ There were no transmission line or transformer failures for the year.

ElectraNet is the monopoly service provider of electricity transmission services in South Australia. The electricity transmission network in South Australia extends across approximately 200,000 square kilometres, and includes 88 high voltage substations and 5,600 route kilometres of transmission lines.

Under the Electricity Transmission Code, ElectraNet must comply with obligations relating to quality, safety and reliability of electricity transmission (including minimising supply interruptions and informing customers about planned outages).

Further information on ElectraNet's customer service-related regulatory obligations and service standards can be found here <http://bit.ly/electricity-regulatoryperformancereports>.

ElectraNet's transmission services were reliable

ElectraNet reported decreases in both the number and average duration of supply interruptions in

2017-18 mainly due to lack of severe weather events, (as compared with prior years).

ElectraNet reported six power system interruptions in 2017-18, compared to nine interruptions reported for the previous year. On average, twelve interruptions occur each year, based on ElectraNet's nine-year historical reliability performance.

ElectraNet reported only 1.6 system minutes off supply, this was significantly lower than last years (Figure 1) due to lack of impact from severe weather events.

There were no transmission line or transformer failures¹ in 2017-18 and ElectraNet restored line capacity within the exit point reliability standard timeframe specified in the Electricity Transmission Code.

Heywood and Murraylink interconnectors performed as expected

The Essential Services Commission (**Commission**) licenses and monitors compliance with licence requirements for the two regulated interconnectors between the South Australian and Victorian regions of the National Electricity Market (**NEM**): the Heywood interconnector, of which the South Australia section is operated by ElectraNet, and the Murraylink interconnector, operated by the Murraylink Transmission Company.

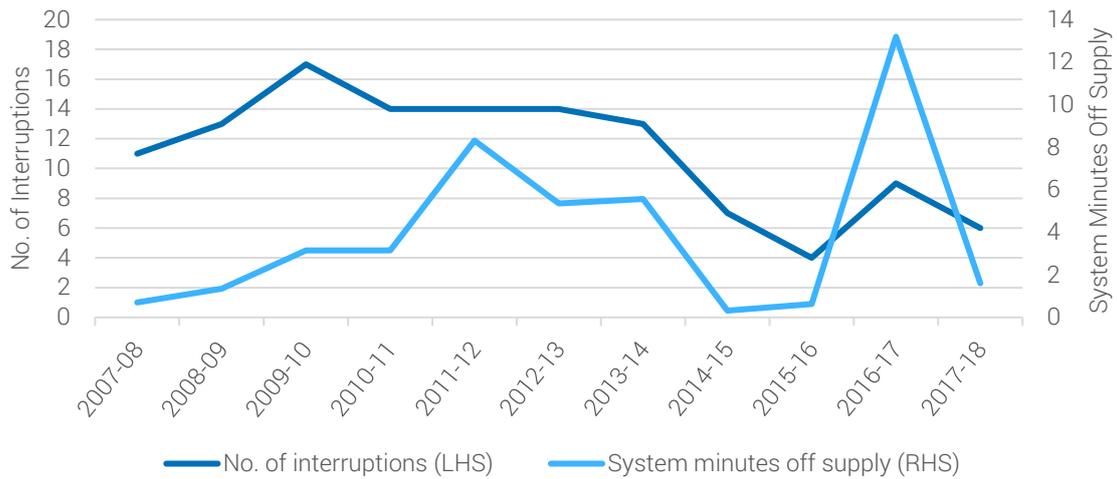
ElectraNet and the Murraylink Transmission Company did not report any non-compliances with their licence requirements in 2017-18.

The Australian Energy Market Operation (**AEMO**) provides information regarding energy flows across the two interconnectors.²

¹ Transmission line availability can be affected by factors other than transmission line failures being transformer failure and power system incidents.

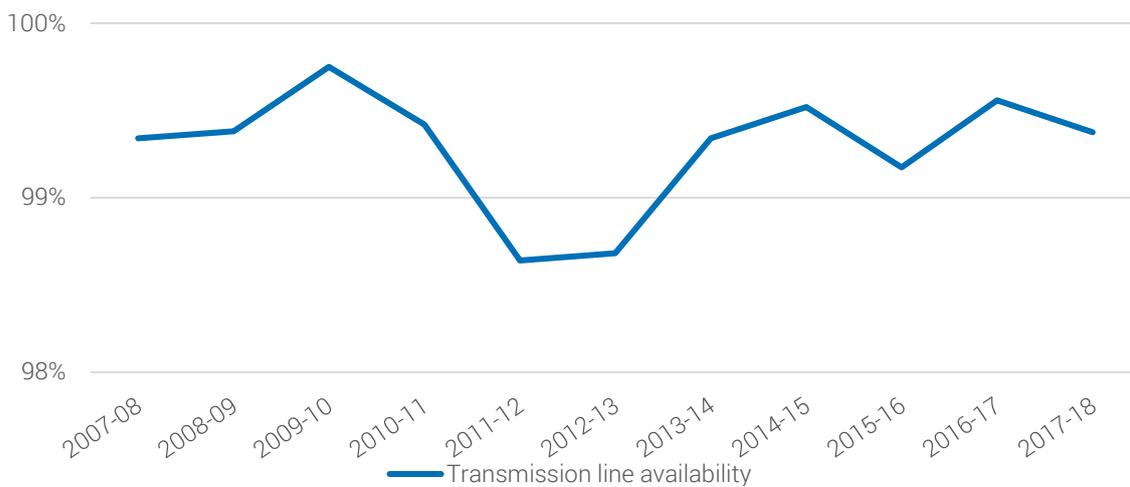
² Refer to AEMO's report available at <http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Security-and-reliability/Congestion-information/Network-status-and-capability> for links regarding interconnector capability performance.

Figure 1: Number of transmission supply interruptions per annum and associated minutes off supply



Transmission line availability is an indicator of the reliability of the network. Figure 2 below shows transmission line availability over the last 11 years. Transmission line availability for the year was 99.38 percent, this is consistent with previous years.

Figure 2 – Transmission line availability (percent of time), 2007-08 to 2017-18



Further information

The complete time series performance data for ElectraNet can be found here:

<https://www.escosa.sa.gov.au/industry/electricity/regulatory-reporting/regulatory-performance-reports>

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