

Ontario Grid Control Centre

Weekly Update July 28th – August 3rd



System Performance

The transmission system performed well with only a few incidents this week. On the distribution system, thunderstorms were prevalent across southern Ontario causing momentary outages but doing little damage.

July Prices (\$/MWh)

Average Hourly Price	Maximum Hourly Price	Minimum Hourly Price
35.29	184.38	-69.83

August Month to Date Prices (\$/MWh)

Average Hourly Price	Maximum Hourly Price	Minimum Hourly Price
40.50	81.98	24.40

During the report period the maximum Ontario demand reached 22,051 MW on Tuesday August 2nd. The peak for the month of July was 25,450 MW set on Thursday July 21st.

Transmission

Saturday July 30th

In northwest Ontario, electrical storm activity tripped the 115 kV circuit E1C (Ear Falls x Crow River) at 4:22 pm. The circuit was restored at 4:25 pm. only to trip again at 6:53 pm for 10 minutes.

Friday July 29th

The 115 kV circuit L7S (Seaforth x St Mary's) tripped automatically during an electrical storm at 1:10 am. interrupting 37 MW of load for 12 minutes. The Seaforth DT1L7 115 kV breaker failed to operate and tripped 230 kV circuit B23D (Bruce x Detweiler). The breaker failure operations at Seaforth are an ongoing issue that is being investigated. Enhanced monitoring has been put in place at Seaforth TS to collect trip data for analysis. The cause of the breaker failure operations is related to a transient recovery voltage following a momentary line to ground fault that causes a re-strike and/or re-ignition immediately after the breaker has opened. Preventative steps are being assessed to ensure the issue is resolved.

Thursday July 28th

At 1:26 am. the 28 kV Malden TS B bus automatically tripped interrupting 40 MW of load for 10 minutes. The bus tripped from backup protection due to a slow clearing feeder fault attributed to a lightning strike.

The 115 kV circuit T61S (Timmins x Shining Tree) tripped from line protection operation at 8:18 am. after a truck dumping its load came in close proximity to the live conductor. About 6 MW of load was interrupted until restored at 8:25 am. The truck had its tires blown out but fortunately no injuries resulted.

Distribution

Monday August 1st

The OGCC responded to 30 feeder trips during the day. The majority of trips were attributed to weather related cause in southern Ontario and were momentary in nature.

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Sunday July 31st

During this day the OGCC responded to 30 feeder trips. Most trips were momentary and most were related to weather disturbances in southern Ontario.

Saturday July 30th

The Douglas Point TS M8 was forced out of service at 0:22 am. due to failure of the feeder protection. Crew dispatched to the TS isolated the protection problem allowing restoration of load at 2:01 am.

Friday July 29th

Thunderstorms moved across southwest Ontario causing many short duration feeder trips. Over the course of the day OGCC responded to 97 feeder faults.

At Longwood TS near London the M26 feeder at 4:47 am. tripped during thunderstorms affecting about 1,100 customers. Crew dispatched located a broken insulator and floating conductor. Repairs were completed by 8:42 am. and all load was restored.

In eastern Ontario the Chesterville TS M4 feeder tripped at 11:00 pm interrupting about 5,300 Hydro One and some LDC customers. A tree was cleared from the feeder near Russell DS and customers were restored by 2:44 am. on Saturday July 30th.

Thursday July 28th

The OGCC responded to 33 feeder trips during the day. Most were weather related trips located in southwestern Ontario and of short duration.

The thunderstorms that moved across the southwestern tip of the province affected feeders at Kingsville TS. The M7 tripped at 1:04 am and a blown surge arrestor was located by crew and isolated. The M7 was restored by 5:50 am. At 4:13 am. M5 tripped and LDC crew removed a tree from a portion of the feeder allowing supply to be restored to Hydro One customers and the LDC by 5:15 am.

Operations Contacts

Should you require information about operational issues and planned outages, please refer to the contact names and numbers indicated in the operating schedule of your Connection Agreement. If you're unable to reach your contacts, please call Neil Harris at 705-792-3108 for assistance.