

1 Q. **Projects over \$50,000 but Less Than \$200,000**

2 Upgrade Transformer Differential Protection, Grandy Brook, page E-88:

3 Please outline all incidents of a power failure on Grandy Brook L5 since 2008.

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6 A. Grandy Brook L5 is not configured in Hydro's Distribution Outage Reporting System
7 (DORS). Therefore, information related to outages specifically affecting this line is
8 not available. Information is available for the loss of transmission line TL250 which
9 supplies the Grandy Brook Terminal Station. Outages to this transmission line
10 would result in an outage to customers supplied by L5. The table below lists all
11 outages to TL250 since 2008.

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Trips of Transmission Line TL250 - January 1, 2008 to July 31, 2014

Date/Time	Outage Duration (mins)	Outage Cause
Jul 17, 2008 05:15	191	Recloser on L5 caused T1 lockout and trip of TL250
Sep 19, 2009 17:42	52	Planned
Mar 11, 2010 16:17	9	Circuit Breaker B3L50 failed at Bottom Brook T.S. , TL250 Tripped
Jun 01, 2010 06:11	11	Planned
Jun 30, 2010 14:16	18	Planned
Jul 09, 2010 06:34	10	Planned
Jul 18, 2010 23:37	2	Lightning
Aug 18, 2010 14:07	4	Lightning
May 28, 2011 01:21	3	Lightning
Jul 12, 2011 01:13	6	Incorrect Protection Setting at Bottom Brook T.S.
Jan 11, 2013 07:43	264	Related to Holyrood Event
Aug 15, 2013 11:13	220	Planned
Jan 04, 2014 09:05	28	Related to Sunnyside Event
Jan 04, 2014 15:33	6	Related to Sunnyside Event
Jan 26, 2014 08:44	526	Crossarm failure (wind gust over 130 km/h)