

1 Q. Describe how the Roddickton Mini-hydro, the Hawkes Bay Diesel, the St.
2 Anthony Diesel and the Roddickton mobile diesel plants would be utilized, in
3 the event of a major failure or otherwise, to supply any service to any
4 customer of Hydro other than Rural Interconnected Customers and include in
5 this answer the actual and forecast loads north of Deer Lake for the years
6 2000 – 2002.

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9 A. The Roddickton Mini-hydro plant is a run of the river facility and is operated
10 when sufficient water exists. It operates primarily as an energy source and
11 reduces fuel costs at Holyrood for the benefit of all customers on the Island
12 Interconnected System.

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14 The diesel generation at Hawke’s Bay, St. Anthony and Roddickton is
15 operated to supply power to the Island Interconnected System to the benefit
16 of all customers based upon unit availability and cost, no different than the
17 gas turbines at Hardwoods and Stephenville. In the event of a failure to a
18 hydro unit, for example, the diesel generation would be called upon to supply
19 power depending upon system load and availability of lower cost generating
20 units. The diesel units at Hawke’s Bay and St. Anthony can be remotely
21 operated by the Energy Control Center to provide fast start capacity for any
22 generation forced outage.

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24 The actual and forecast loads north of Deer Lake for the years 2000 – 2002
25 are as follows:

2000 Actual and 2001 – 2002 Forecast Loads Great Northern Peninsula North of Deer Lake		
Year	MWh	kW
2000	177,354	35,699
2001	174,428	38,762
2002	176,561	39,249