

Great Northern Peninsula Load September 18 and 19, 2003

Hour	Transmission Load¹	St. Anthony Generation	Roddickton Generation	Total Load
2100	21.77 MW	0.0 MW	0.0 MW	21.77 MW
2200	14.01 MW	3.5 MW	0.0 MW	17.51 MW
2300	10.47 MW	6.2 MW	1.5 MW	18.17 MW
2400	7.76 MW	6.2 MW	1.4 MW	15.36 MW
0100	14.04 MW	0.0 MW	0.0 MW	14.04 MW

The above table provides the load on the 66kV and 138 kV lines supplying the Great Northern Peninsula from Deer Lake and the output of the standby generation used to supply the Island Interconnected System during a system disturbance caused by the complete outage of the Bay d’Espoir Plant. The total Great Northern Peninsula load was calculated by summing the generation and transmission load. At the time all generation was not available at St. Anthony and the Hawkes Bay plant was not available.

The reduced transmission load freed up generation elsewhere on the Island Interconnected System that enabled customers to be restored to service during the Bay d’Espoir Plant outage.

The following were the loads in the stations affected by the 1996 interconnection of the St. Anthony/Roddickton System.

Hour	St. Anthony	Roddickton /Main Brook	Total Load
2100	4.93 MW	2.07 MW	7.00 MW
2200	4.76 MW	1.89 MW	6.65 MW
2300	4.26 MW	1.89 MW	6.15 MW
2400	3.81 MW	1.31 MW	5.12 MW
0100	3.28 MW	1.04 MW	4.32 MW

¹ The transmission load is as measured at Deer Lake on TL-239 and TL-226 using Energy Control Center data.