

1 Q. Further to the response to CA-NLH-047 and CA-NLH-028 please provide the Loss of
 2 Load Hours for each year until 2037 with the Labrador Island Link in service and
 3 with and without the Maritime Link in service.

4
 5
 6 A. Please see the table below and the notes on page 2 of 2.

LOLH - With and Without Maritime Link In-Service

	P-50 Forecast			P-90 Forecast		
	Island Interconnected Peak Demand (MW)	Maritime Link in-service (LOLH)	Maritime Link not in-service (LOLH)	Island Interconnected Peak Demand (MW)	Maritime Link in-service (LOLH)	Maritime Link not in-service (LOLH)
2018-19	1,760	0.16	0.16	1,817	0.16	0.16
2019-20	1,766	0.16	0.16	1,823	0.16	0.16
2020-21	1,781	0.18	0.18	1,838	0.17	0.18
2021-22	1,801	0.19	0.21	1,858	0.19	0.22
2022-23	1,824	0.20	0.23	1,881	0.19	0.25
2023-24	1,841	0.21	0.25	1,898	0.20	0.28
2024-25	1,861	0.22	0.28	1,918	0.22	0.32
2025-26	1,879	0.23	0.42	1,936	0.23	0.50
2026-27	1,894	0.24	0.46	1,951	0.24	0.56
2027-28	1,912	0.25	0.51	1,969	0.25	0.63
2028-29	1,929	0.27	0.88	1,986	0.29	1.09
2029-30	1,942	0.29	0.98	1,999	0.31	1.22
2030-31	1,958	0.30	1.11	2,015	0.34	1.37
2031-32	1,972	0.32	1.20	2,029	0.36	1.50
2032-33	1,987	0.34	1.39	2,044	0.39	1.72
2033-34	2,002	0.36	1.56	2,059	0.42	1.92
2034-35	2,016	0.39	1.75	2,073	0.46	2.14
2035-36	2,031	0.41	1.88	2,088	0.50	2.31
2036-37	2,044	0.45	2.16	2,101	0.54	2.63

Notes:

1. There are currently no demand management initiatives assumed, other than the potential use of interruptible contracts, forecast during this period.
2. The capacity to meet the Nova Scotia Block is removed from the LIL capacity in the Maritime Link in-service case.
3. Assumes capacity is available through market or other contractual means to enable full use of the available HVdc transmission capacity.
4. Assumes that CBPP Co-Generation NUG contract is not renewed in 2023.
5. Assumes that Holyrood shuts down in 2021.
6. Assumes capacity at winter peak of 121 MW for NP and 113 MW for Deer Lake Power.
7. Assumes capacity at winter peak of 18 MW for Star Lake, 8 MW for Corner Brook Co-gen and 63 MW for Nalcor Grand Falls and Bishop's Falls. Rattle Brook, Nalcor Buchans, St. Lawrence Wind and Fermeuse Wind are assumed to have 0 MW capacity at winter peak.
8. Assumes that Hardwoods CT retires in 2025 and Stephenville CT retires in 2028.
9. Assumes that St. Lawrence Wind and Fermeuse Wind contracts are not renewed after 2028.