

Island Interconnected System Supply Issues and Power Outages

1 Q. Please provide the most recent capacity resource table showing peak demand,  
 2 demand management initiatives including interruptible power contracts (shown  
 3 separately), existing generation, capacity purchases/sales, emergency capacity  
 4 supply available over interconnections, new capacity relating to generation,  
 5 sales/purchases, transmission and demand management, and reserve margins for  
 6 each of the next 10 winter periods.

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9 A. Please see table below:

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**Interconnected Island System Capacity Resource Table - Ratings at Winter Peak**

	Island Interconnected Peak Demand	NL Hydro Hydro	NL Hydro Thermal <sup>6</sup>	Customer <sup>7</sup> Generation	NUG <sup>5,8</sup> Purchases	New Generation	Labrador Island Link <sup>3,4</sup>	Maritime Island Link <sup>4</sup>	Continuous Capacity at Winter Peak	Reserve Margin	Interruptible Contracts (optional) <sup>2</sup>	Reserve Margin
	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
2014-15	1,721	954	581	234	89	120	0	0	1,978	14.9%	60	19.1%
2015-16	1,736	954	581	234	89	120	0	0	1,978	13.9%	60	18.0%
2016-17	1,755	954	581	234	89	120	0	0	1,978	12.7%	60	16.7%
2017-18	1,757	954	581	234	89	120	0	0	1,978	12.6%	60	16.5%
2018-19	1,760	954	581	234	89	120	675	300	2,953	67.8%	N/A	N/A
2019-20	1,766	954	581	234	89	120	675	300	2,953	67.2%	N/A	N/A
2020-21	1,781	954	581	234	89	120	675	300	2,953	65.8%	N/A	N/A
2021-22	1,801	954	115	234	89	120	675	300	2,487	38.1%	N/A	N/A
2022-23	1,824	954	115	234	81	120	675	300	2,479	35.9%	N/A	N/A
2023-24	1,841	954	115	234	81	120	675	300	2,479	34.7%	N/A	N/A
	<ol style="list-style-type: none"> <li>1. There are currently no demand management initiatives, other than the potential use of interruptible contracts, forecast during this period.</li> <li>2. Currently, there have not been any interruptible contracts signed.</li> <li>3. Nova Scotia Block capacity excluded</li> <li>4. Assumes capacity is available through market or other contractual means to enable full use of the available transmission capacity.</li> <li>5. Assumes that CBPP Co-Generation NUG contract is not renewed in 2023.</li> <li>6. Assumes that Holyrood shuts down in 2021.</li> <li>7. Assumes capacity at winter peak of 121 MW for NP and 113 MW for Deer Lake Power.</li> <li>8. 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.</li> </ol>											