

2024-06-27

The Nova Scotia Wholesale and Renewable to Retail Electricity Market Rules indicate that the Nova Scotia Power System Operator should provide a monthly load and resource assessment as forecasted for the next 10 years. This information is posted to OASIS by the end of June each year.

The following notes apply to the monthly Load and Resources tables:

1) Values in these tables are based on information provided in the NS Power 2024 10-Year System Outlook (10YSO):

<https://www.nspower.ca/oasis/forecasts-assessments>

2) Demand values as per NSPI 2024 Load Forecast Report. Firm peaks include the effects of both DSM and DR programs.

3) Existing Resources (both NS Power Owned and IPPs) include firm capacity contribution from hydro, steam, combined cycle, combustion turbine, Independent Power Producers (IPP) and renewable resources.

4) Existing Resources (Wholesale Market Resources) include the wind farm serving wholesale market participants under the Backup/ Top-up (BUTU) Tariff.

5) The firm capacity contribution of renewable resources in Nova Scotia is based on an Effective Load Carrying Capability (ELCC) approach as discussed in the 2024 10YSO.

6) Firm Resource Additions and Retirements can be found in the 2024 10YSO (Section 3.2).

7) Derations include thermal unit reductions due to planned maintenance, ambient temperature and seasonal shut downs. Planned maintenance includes Wreck Cove life extension & modernization.

8) NS Power planning criteria requires a minimum planning reserve margin (PRM) equal to 20% of its forecasted firm peak load. The current forecast indicates the target 20% PRM will not be achieved in 2025. NS Power will implement strategies to address the near-term resource adequacy as discussed in the 2024 10YSO.

Load and Resource Assessment for NSPI
(All values in MW except as noted)

2025

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A Total System Peak	2408	2333	2054	1719	1472	1356	1407	1426	1392	1521	1895	2182
B Interruptible Demand & DR Programs	149	142	202	199	212	213	202	211	228	207	214	144
C Firm Peak (A - B)	2259	2191	1851	1520	1260	1143	1205	1216	1164	1314	1681	2038
D Required Reserve (C x 20%)	452	438	370	304	252	229	241	243	233	263	336	408
E Required Capacity (C + D)	2711	2629	2222	1824	1512	1372	1446	1459	1397	1576	2017	2445
Existing Resources (NS Power and IPPS)	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551
Existing Resources (Wholesale Market resources)	4	4	4	4	4	4	4	4	4	4	4	4
H Total Existing Resources (F + G)	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555
Firm Resource Additions:												
I Biomass	43	43	43	43	43	43	43	43	43	43	43	43
J Tidal	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
K New Wind - Rate Base Procurement												
L New Wind - Green Choice												
M Port Hawkesbury Paper Wind												
N New Wind Build - Future Procurements												
O New Wind - Renewable to Retail												
P Additions - Coal to Gas Conversion												
Q Additions - New Gas CTs												
R Additions - Battery												
S Additions - Coal to HFO Operation												
T Diversity Credit												
U Retirements												
V Derations and Planned Maintenance	-101	-101	-287	-533	-754	-914	-835	-887	-985	-602	-433	-134
Total Firm Supply Resources (Sum of rows H thru V)	2498	2498	2312	2066	1845	1685	1764	1712	1614	1997	2166	2465
+ Surplus / - Deficit (W - E)	-213	-130	91	242	333	313	318	253	216	420	149	20
Reserve Margin % (W - C)/ C	11%	14%	25%	36%	46%	47%	46%	41%	39%	52%	29%	21%

Load and Resource Assessment for NSPI

(All values in MW except as noted)

2026

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A Total System Peak	2428	2349	2074	1733	1478	1355	1403	1426	1389	1529	1911	2197
B Interruptible Demand & DR Programs	161	152	204	202	216	216	204	214	235	213	220	160
C Firm Peak (A - B)	2267	2197	1870	1531	1262	1139	1199	1213	1154	1316	1691	2037
D Required Reserve (C x 20%)	453	439	374	306	252	228	240	243	231	263	338	407
E Required Capacity (C + D)	2720	2636	2244	1837	1514	1366	1439	1455	1385	1580	2029	2445
Existing Resources (NS Power and IPPS)	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551
Existing Resources (Wholesale Market resources)	4	4	4	4	4	4	4	4	4	4	4	4
H Total Existing Resources (F + G)	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555
Firm Resource Additions:												
I Biomass	43	43	43	43	43	43	43	43	43	43	43	43
J Tidal	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
K New Wind - Rate Base Procurement												
L New Wind - Green Choice												
M Port Hawkesbury Paper Wind												
N New Wind Build - Future Procurements												
O New Wind - Renewable to Retail	9	9	9	9	9	9	9	9	9	9	9	9
P Additions - Coal to Gas Conversion												
Q Additions - New Gas CTs												
R Additions - Battery	72	72	72	72	72	72	72	72	72	72	72	72
S Additions - Coal to HFO Operation												
T Diversity Credit												
U Retirements												
V Derations and Planned Maintenance	0	0	-186	-264	-503	-445	-716	-681	-611	-551	-333	0
Total Firm Supply Resources (Sum of rows H thru V)	2680	2680	2494	2416	2177	2235	1964	1999	2069	2129	2347	2680
+ Surplus / - Deficit (W - E)	-40	44	250	579	663	869	525	543	684	549	318	235
Reserve Margin % (W - C)/ C	18%	22%	33%	58%	73%	96%	64%	65%	79%	62%	39%	32%

Load and Resource Assessment for NSPI

(All values in MW except as noted)

2027

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A Total System Peak	2437	2359	2091	1743	1480	1351	1398	1426	1379	1536	1929	2217
B Interruptible Demand & DR Programs	172	164	204	202	216	216	204	213	235	213	220	171
C Firm Peak (A - B)	2265	2195	1887	1542	1264	1134	1194	1212	1145	1324	1709	2046
D Required Reserve (C x 20%)	453	439	377	308	253	227	239	242	229	265	342	409
E Required Capacity (C + D)	2718	2634	2264	1850	1517	1361	1433	1455	1374	1589	2051	2455
Existing Resources F (NS Power and IPPS)	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551
Existing Resources G (Wholesale Market resources)	4	4	4	4	4	4	4	4	4	4	4	4
H Total Existing Resources (F + G)	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555
Firm Resource Additions:												
I Biomass	43	43	43	43	43	43	43	43	43	43	43	43
J Tidal	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
K New Wind - Rate Base Procurement	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
L New Wind - Green Choice												
M Port Hawkesbury Paper Wind	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
N New Wind Build - Future Procurements												
O New Wind - Renewable to Retail	15	15	15	15	15	15	15	15	15	15	15	15
P Additions - Coal to Gas Conversion												
Q Additions - New Gas CTs												
R Additions - Battery	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
S Additions - Coal to HFO Operation												
T Diversity Credit	3	3	3	3	3	3	3	3	3	3	3	3
U Retirements												
V Derations and Planned Maintenance	0	0	-279	-279	-515	-565	-836	-892	-789	-599	-264	0
Total Firm Supply Resources W (Sum of rows H thru V)	2760	2760	2481	2481	2245	2195	1924	1868	1971	2161	2496	2760
+ Surplus / - Deficit (W - E)	42	126	217	631	728	834	491	413	597	572	445	305
Reserve Margin % (W - C)/ C	22%	26%	32%	61%	78%	94%	61%	54%	72%	63%	46%	35%

Load and Resource Assessment for NSPI

(All values in MW except as noted)

2028

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A Total System Peak	2466	2384	2120	1763	1489	1350	1396	1427	1371	1546	1949	2239
B Interruptible Demand & DR Programs	184	175	204	201	216	216	204	213	234	212	220	183
C Firm Peak (A - B)	2283	2209	1916	1562	1273	1134	1192	1214	1137	1334	1729	2057
D Required Reserve (C x 20%)	457	442	383	312	255	227	238	243	227	267	346	411
E Required Capacity (C + D)	2739	2651	2300	1874	1528	1361	1431	1456	1364	1600	2075	2468
F Existing Resources (NS Power and IPPS)	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551
G Existing Resources (Wholesale Market resources)	4	4	4	4	4	4	4	4	4	4	4	4
H Total Existing Resources (F + G)	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555
I Firm Resource Additions:												
I Biomass	43	43	43	43	43	43	43	43	43	43	43	43
J Tidal	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
K New Wind - Rate Base Procurement	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
L New Wind - Green Choice												
M Port Hawkesbury Paper Wind	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
N New Wind Build - Future Procurements												
O New Wind - Renewable to Retail	15	15	15	15	15	15	15	15	15	15	15	15
P Additions - Coal to Gas Conversion											150	150
Q Additions - New Gas CTs	300	300	300	300	300	300	300	300	300	300	300	300
R Additions - Battery	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3
S Additions - Coal to HFO Operation												
T Diversity Credit	6	6	6	6	6	6	6	6	6	6	6	6
U Retirements	-298	-298	-298	-448	-448	-448	-448	-448	-448	-448	-448	-448
V Derations and Planned Maintenance	0	0	-150	-333	-531	-596	-724	-750	-612	-533	-150	0
W Total Firm Supply Resources (Sum of rows H thru V)	2814	2814	2664	2331	2133	2068	1940	1914	2052	2131	2663	2814
+ Surplus / - Deficit (W - E)	75	163	364	456	605	706	509	458	688	530	588	346
Reserve Margin % (W - C)/ C	23%	27%	39%	49%	68%	82%	63%	58%	80%	60%	54%	37%

Load and Resource Assessment for NSPI

(All values in MW except as noted)

2029

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A Total System Peak	2493	2413	2151	1786	1501	1353	1398	1433	1367	1564	1983	2280
B Interruptible Demand & DR Programs	187	178	204	201	216	216	204	213	234	212	220	186
C Firm Peak (A - B)	2306	2234	1947	1585	1285	1137	1194	1220	1133	1352	1764	2094
D Required Reserve (C x 20%)	461	447	389	317	257	227	239	244	227	270	353	419
E Required Capacity (C + D)	2767	2681	2336	1902	1542	1365	1433	1464	1360	1622	2116	2513
Existing Resources (NS Power and IPPS)	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551
Existing Resources (Wholesale Market resources)	4	4	4	4	4	4	4	4	4	4	4	4
H Total Existing Resources (F + G)	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555
Firm Resource Additions:												
I Biomass	43	43	43	43	43	43	43	43	43	43	43	43
J Tidal	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
K New Wind - Rate Base Procurement	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
L New Wind - Green Choice	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
M Port Hawkesbury Paper Wind	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
N New Wind Build - Future Procurements												
O New Wind - Renewable to Retail	15	15	15	15	15	15	15	15	15	15	15	15
P Additions - Coal to Gas Conversion	150	150	150	150	150	150	150	150	150	150	150	150
Q Additions - New Gas CTs	300	300	300	300	300	300	300	300	300	300	300	300
R Additions - Battery	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3	144.3
S Additions - Coal to HFO Operation												
T Diversity Credit	9	9	9	9	9	9	9	9	9	9	9	9
U Retirements	-448	-448	-448	-448	-448	-448	-448	-448	-448	-448	-448	-448
V Derations and Planned Maintenance	0	0	-150	-333	-531	-599	-726	-752	-615	-533	-150	0
Total Firm Supply Resources (Sum of rows H thru V)	2850	2850	2700	2517	2319	2251	2124	2098	2235	2317	2700	2850
+ Surplus / - Deficit (W - E)	83	169	364	615	777	887	691	634	876	695	583	337
Reserve Margin % (W - C)/ C	24%	28%	39%	59%	80%	98%	78%	72%	97%	71%	53%	36%

Load and Resource Assessment for NSPI

(All values in MW except as noted)

2030

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A Total System Peak	2547	2463	2196	1817	1515	1355	1396	1433	1356	1574	2004	2301
B Interruptible Demand & DR Programs	186	178	203	201	216	216	204	213	234	212	219	185
C Firm Peak (A - B)	2360	2285	1993	1616	1300	1139	1192	1220	1122	1362	1785	2116
D Required Reserve (C x 20%)	472	457	399	323	260	228	238	244	224	272	357	423
E Required Capacity (C + D)	2833	2742	2391	1939	1559	1367	1430	1464	1346	1634	2142	2539
Existing Resources												
F (NS Power and IPPS)	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551
Existing Resources												
G (Wholesale Market resources)	4	4	4	4	4	4	4	4	4	4	4	4
H Total Existing Resources (F + G)	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555
Firm Resource Additions:												
I Biomass	43	43	43	43	43	43	43	43	43	43	43	43
J Tidal	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
K New Wind - Rate Base Procurement	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
L New Wind - Green Choice	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
M Port Hawkesbury Paper Wind	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
N New Wind Build - Future Procurements												
O New Wind - Renewable to Retail	15	15	15	15	15	15	15	15	15	15	15	15
P Additions - Coal to Gas Conversion	150	150	150	150	150	150	150	150	150	150	150	150
Q Additions - New Gas CTs	600	600	600	600	600	600	600	600	600	600	600	600
R Additions - Battery	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4
S Additions - Coal to HFO Operation	459	459	459	459	459	459	459	459	459	459	459	459
T Diversity Credit	12	12	12	12	12	12	12	12	12	12	12	12
U Retirements	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229
V Derations and Planned Maintenance	0	0	-150	-333	-381	-600	-715	-715	-614	-383	-150	0
Total Firm Supply Resources												
W (Sum of rows H thru V)	2867	2867	2717	2534	2486	2267	2152	2152	2253	2484	2717	2867
+ Surplus / - Deficit (W - E)	34	125	326	595	927	900	722	688	907	850	575	328
Reserve Margin % (W - C)/ C	21%	25%	36%	57%	91%	99%	81%	76%	101%	82%	52%	35%

Load and Resource Assessment for NSPI

(All values in MW except as noted)

2031

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A Total System Peak	2583	2496	2224	1836	1521	1349	1385	1425	1338	1580	2022	2327
B Interruptible Demand & DR Programs	186	177	203	201	216	216	204	213	234	212	219	185
C Firm Peak (A - B)	2397	2319	2021	1636	1305	1134	1181	1213	1104	1368	1803	2142
D Required Reserve (C x 20%)	479	464	404	327	261	227	236	243	221	274	361	428
E Required Capacity (C + D)	2876	2783	2425	1963	1566	1360	1417	1455	1324	1641	2164	2571
Existing Resources												
F (NS Power and IPPS)	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551
Existing Resources												
G (Wholesale Market resources)	4	4	4	4	4	4	4	4	4	4	4	4
H Total Existing Resources (F + G)	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555
Firm Resource Additions:												
I Biomass	43	43	43	43	43	43	43	43	43	43	43	43
J Tidal	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
K New Wind - Rate Base Procurement	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
L New Wind - Green Choice	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
M Port Hawkesbury Paper Wind	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
N New Wind Build - Future Procurements	24	24	24	24	24	24	24	24	24	24	24	24
O New Wind - Renewable to Retail	15	15	15	15	15	15	15	15	15	15	15	15
P Additions - Coal to Gas Conversion	150	150	150	150	150	150	150	150	150	150	150	150
Q Additions - New Gas CTs	600	600	600	600	600	600	600	600	600	600	600	600
R Additions - Battery	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4
S Additions - Coal to HFO Operation	459	459	459	459	459	459	459	459	459	459	459	459
T Diversity Credit	12	12	12	12	12	12	12	12	12	12	12	12
U Retirements	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229
V Derations and Planned Maintenance	0	0	-150	-333	-381	-603	-718	-718	-617	-383	-150	0
Total Firm Supply Resources												
W (Sum of rows H thru V)	2891	2891	2741	2558	2510	2288	2173	2173	2274	2508	2741	2891
+ Surplus / - Deficit (W - E)	15	108	316	595	944	928	756	718	950	867	577	320
Reserve Margin % (W - C)/ C	21%	25%	36%	56%	92%	102%	84%	79%	106%	83%	52%	35%

Load and Resource Assessment for NSPI

(All values in MW except as noted)

2032

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A Total System Peak	2623	2529	2254	1859	1528	1344	1373	1417	1318	1587	2043	2355
B Interruptible Demand & DR Programs	185	177	203	201	215	216	204	213	234	212	219	184
C Firm Peak (A - B)	2438	2353	2051	1658	1312	1128	1169	1204	1084	1375	1824	2171
D Required Reserve (C x 20%)	488	471	410	332	262	226	234	241	217	275	365	434
E Required Capacity (C + D)	2925	2823	2461	1990	1575	1354	1403	1445	1301	1650	2189	2605
Existing Resources												
F (NS Power and IPPS)	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551
Existing Resources												
G (Wholesale Market resources)	4	4	4	4	4	4	4	4	4	4	4	4
H Total Existing Resources (F + G)	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555
Firm Resource Additions:												
I Biomass	43	43	43	43	43	43	43	43	43	43	43	43
J Tidal	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
K New Wind - Rate Base Procurement	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
L New Wind - Green Choice	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
M Port Hawkesbury Paper Wind	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
N New Wind Build - Future Procurements	36	36	36	36	36	36	36	36	36	36	36	36
O New Wind - Renewable to Retail	15	15	15	15	15	15	15	15	15	15	15	15
P Additions - Coal to Gas Conversion	150	150	150	150	150	150	150	150	150	150	150	150
Q Additions - New Gas CTs	600	600	600	600	600	600	600	600	600	600	600	600
R Additions - Battery	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4
S Additions - Coal to HFO Operation	459	459	459	459	459	459	459	459	459	459	459	459
T Diversity Credit	12	12	12	12	12	12	12	12	12	12	12	12
U Retirements	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229
V Derations and Planned Maintenance	0	0	-150	-333	-381	-605	-720	-720	-619	-383	-150	0
Total Firm Supply Resources												
W (Sum of rows H thru V)	2903	2903	2753	2570	2522	2298	2183	2183	2284	2520	2753	2903
+ Surplus / - Deficit (W - E)	-22	80	292	580	947	944	781	739	983	870	564	298
Reserve Margin % (W - C)/ C	19%	23%	34%	55%	92%	104%	87%	81%	111%	83%	51%	34%

Load and Resource Assessment for NSPI

(All values in MW except as noted)

2033

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A Total System Peak	2670	2574	2289	1887	1538	1340	1361	1408	1299	1596	2068	2389
B Interruptible Demand & DR Programs	185	176	203	201	215	216	203	213	234	212	219	184
C Firm Peak (A - B)	2485	2398	2086	1686	1323	1124	1157	1195	1065	1384	1849	2205
D Required Reserve (C x 20%)	497	480	417	337	265	225	231	239	213	277	370	441
E Required Capacity (C + D)	2982	2878	2503	2023	1587	1349	1389	1435	1278	1661	2219	2647
Existing Resources (NS Power and IPPS)	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551
Existing Resources (Wholesale Market resources)	4	4	4	4	4	4	4	4	4	4	4	4
H Total Existing Resources (F + G)	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555
Firm Resource Additions:												
I Biomass	43	43	43	43	43	43	43	43	43	43	43	43
J Tidal	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
K New Wind - Rate Base Procurement	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
L New Wind - Green Choice	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
M Port Hawkesbury Paper Wind	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
N New Wind Build - Future Procurements	48	48	48	48	48	48	48	48	48	48	48	48
O New Wind - Renewable to Retail	15	15	15	15	15	15	15	15	15	15	15	15
P Additions - Coal to Gas Conversion	150	150	150	150	150	150	150	150	150	150	150	150
Q Additions - New Gas CTs	600	600	600	600	600	600	600	600	600	600	600	600
R Additions - Battery	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4
S Additions - Coal to HFO Operation	459	459	459	459	459	459	459	459	459	459	459	459
T Diversity Credit	12	12	12	12	12	12	12	12	12	12	12	12
U Retirements	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229
V Derations and Planned Maintenance	0	0	-150	-333	-381	-607	-722	-722	-621	-383	-150	0
Total Firm Supply Resources (Sum of rows H thru V)	2915	2915	2765	2582	2534	2308	2193	2193	2294	2532	2765	2915
+ Surplus / - Deficit (W - E)	-67	37	262	559	947	959	805	759	1016	871	546	268
Reserve Margin % (W - C)/ C	17%	22%	33%	53%	92%	105%	90%	83%	115%	83%	50%	32%

Load and Resource Assessment for NSPI

(All values in MW except as noted)

2034

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A Total System Peak	2727	2624	2329	1920	1553	1340	1353	1403	1283	1608	2098	2429
B Interruptible Demand & DR Programs	184	175	203	201	215	215	203	213	234	212	219	183
C Firm Peak (A - B)	2542	2448	2127	1720	1338	1125	1150	1191	1049	1397	1879	2245
D Required Reserve (C x 20%)	508	490	425	344	268	225	230	238	210	279	376	449
E Required Capacity (C + D)	3051	2938	2552	2064	1606	1349	1379	1429	1259	1676	2255	2695
Existing Resources (NS Power and IPPS)	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551	2551
Existing Resources (Wholesale Market resources)	4	4	4	4	4	4	4	4	4	4	4	4
H Total Existing Resources (F + G)	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555	2555
Firm Resource Additions:												
I Biomass	43	43	43	43	43	43	43	43	43	43	43	43
J Tidal	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
K New Wind - Rate Base Procurement	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
L New Wind - Green Choice	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
M Port Hawkesbury Paper Wind	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
N New Wind Build - Future Procurements	60	60	60	60	60	60	60	60	60	60	60	60
O New Wind - Renewable to Retail	15	15	15	15	15	15	15	15	15	15	15	15
P Additions - Coal to Gas Conversion	150	150	150	150	150	150	150	150	150	150	150	150
Q Additions - New Gas CTs	600	600	600	600	600	600	600	600	600	600	600	600
R Additions - Battery	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4	180.4
S Additions - Coal to HFO Operation	459	459	459	459	459	459	459	459	459	459	459	459
T Diversity Credit	12	12	12	12	12	12	12	12	12	12	12	12
U Retirements	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229	-1229
V Derations and Planned Maintenance	0	0	-150	-333	-381	-609	-724	-724	-623	-383	-150	0
Total Firm Supply Resources (Sum of rows H thru V)	2927	2927	2777	2594	2546	2318	2203	2203	2304	2544	2777	2927
+ Surplus / - Deficit (W - E)	-124	-11	225	530	940	969	824	774	1045	868	521	232
Reserve Margin % (W - C)/ C	15%	20%	31%	51%	90%	106%	92%	85%	120%	82%	48%	30%