

Island Interconnected Requirements - Actual and Forecasts

Actuals	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>
Island Utility Load without Weather Adjustment (GWh)	5,168	5,428	5,442	5,520	5,503	5,415	5,771	5,827	5,950	5,886
Island Industrial Load (GWh)	2,595	2,623	2,721	2,796	2,638	2,216	2,105	1,981	1,276	1,258
Transmission Losses (GWh)	<u>176</u>	<u>170</u>	<u>177</u>	<u>180</u>	<u>178</u>	<u>207</u>	<u>182</u>	<u>196</u>	<u>196</u>	<u>210</u>
Total Island Load without Weather Adjustment (GWh)	7,939	8,221	8,340	8,496	8,318	7,838	8,058	8,004	7,422	7,355
Island Peak Demand (MW)	1,435	1,592	1,595	1,598	1,595	1,517	1,540	1,520	1,601	1,478
Weather Adjusted Island Utility Load (GWh)	5,288	5,431	5,548	5,661	5,681	5,665	5,794	5,925	6,029	6,139
Weather Adjusted Total Island Load (GWh)	8,060	8,224	8,446	8,637	8,496	8,088	8,082	8,103	7,500	7,608

- Notes: (1) Island Utility load includes Newfoundland Power and Hydro Rural.
(2) Weather adjusted Utility load is based on Newfoundland Power weather adjusted annual system load.
(3) Weather adjustment does not apply to Island Industrial load.
(4) Weather Adjusted Total Island Load includes the Utility weather adjusted load.
(5) Forecasts are prepared on a weather adjusted/normal basis.

Forecasts

2001 PLF	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Island Utility Load (GWh)	5,273	5,289	5,355	5,450	5,529	5,608	5,701	5,797	5,859	5,894	5,981	6,064	6,144	6,229	6,314	6,410	6,509	6,602	6,689	6,757
Island Industrial Load (GWh)	2,758	2,816	2,817	2,817	2,817	2,817	2,817	2,817	2,817	2,817	2,817	2,817	2,817	2,817	2,817	2,817	2,817	2,817	2,817	2,817
Transmission Losses (GWh)	209	211	212	213	214	215	216	218	219	219	220	221	223	224	225	226	228	229	230	231
Total Island Load (GWh)	8,240	8,316	8,384	8,479	8,560	8,639	8,734	8,831	8,894	8,929	9,018	9,102	9,183	9,269	9,355	9,453	9,553	9,648	9,735	9,804
Island Peak Demand (MW)	1,576	1,602	1,611	1,632	1,652	1,673	1,696	1,719	1,735	1,741	1,756	1,771	1,786	1,802	1,818	1,836	1,853	1,870	1,886	1,900

2002 PLF	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Island Utility Load (GWh)	5,294	5,371	5,421	5,486	5,530	5,590	5,654	5,715	5,779	5,831	5,896	5,973	6,037	6,080	6,109	6,173	6,247	6,323	6,388
Island Industrial Load (GWh)	2,654	2,710	2,728	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723
Transmission Losses (GWh)	209	211	211	212	213	214	215	216	216	217	218	219	220	221	221	222	223	224	225
Total Island Load (GWh)	8,157	8,292	8,361	8,421	8,466	8,527	8,592	8,654	8,719	8,771	8,837	8,915	8,980	9,024	9,054	9,118	9,193	9,270	9,336
Island Peak Demand (MW)	1,561	1,580	1,593	1,606	1,612	1,625	1,637	1,650	1,662	1,674	1,685	1,698	1,712	1,722	1,731	1,740	1,752	1,766	1,780

2003 PLF	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>
Island Utility Load (GWh)	5,483	5,526	5,538	5,585	5,632	5,680	5,742	5,818	5,890	5,934	5,971	6,033	6,102	6,170	6,234	6,302	6,382	6,446	6,511	6,581
Island Industrial Load (GWh)	2,754	2,774	2,770	2,767	2,770	2,769	2,769	2,769	2,769	3,163	3,163	3,163	3,163	3,163	3,163	3,163	3,163	3,163	3,163	3,163
Transmission Losses (GWh)	203	204	204	204	205	205	206	207	207	212	212	213	214	214	215	216	216	217	218	218
Total Island Load (GWh)	8,441	8,504	8,512	8,556	8,606	8,653	8,716	8,793	8,865	9,309	9,346	9,408	9,478	9,546	9,612	9,680	9,761	9,825	9,891	9,962
Island Peak Demand (MW)	1,578	1,602	1,607	1,613	1,624	1,634	1,643	1,654	1,666	1,728	1,737	1,743	1,753	1,765	1,776	1,786	1,798	1,811	1,822	1,834

2004 PLF	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
Island Utility Load (GWh)	5,494	5,590	5,608	5,656	5,704	5,781	5,857	5,896	5,936	5,966	6,011	6,071	6,119	6,170	6,230	6,289	6,338	6,379	6,437	6,496
Island Industrial Load (GWh)	2,728	2,724	2,721	2,724	2,723	2,727	2,727	2,727	3,012	3,057	3,097	3,097	3,097	3,097	3,097	3,097	3,097	3,097	3,097	3,097
Transmission Losses (GWh)	187	189	190	190	191	192	193	193	197	198	199	199	200	201	201	202	203	203	204	204
Total Island Load (GWh)	8,409	8,503	8,519	8,571	8,618	8,700	8,777	8,817	9,145	9,221	9,307	9,368	9,416	9,467	9,528	9,588	9,637	9,679	9,738	9,798
Island Peak Demand (MW)	1,590	1,596	1,620	1,627	1,638	1,652	1,664	1,681	1,740	1,744	1,754	1,766	1,780	1,793	1,806	1,820	1,834	1,846	1,860	1,873

<u>2005 PLF</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
Island Utility Load (GWh)	5,640	5,666	5,741	5,784	5,860	5,951	5,990	6,035	6,074	6,131	6,196	6,261	6,325	6,395	6,461	6,517	6,567	6,628	6,694	6,758
Island Industrial Load (GWh)	2,750	2,750	2,815	2,815	2,815	2,815	2,815	3,085	3,130	3,170	3,120	3,120	3,120	3,120	3,120	3,120	3,120	3,120	3,120	3,120
Transmission Losses (GWh)	183	185	187	188	189	190	191	195	196	197	197	198	198	199	200	201	201	202	203	203
Total Island Load (GWh)	8,573	8,602	8,744	8,787	8,864	8,956	8,995	9,315	9,400	9,498	9,513	9,578	9,644	9,714	9,781	9,838	9,888	9,950	10,017	10,082
Island Peak Demand (MW)	1,612	1,621	1,637	1,651	1,660	1,676	1,693	1,751	1,761	1,769	1,774	1,786	1,798	1,811	1,824	1,836	1,847	1,860	1,872	1,884
<u>2006 PLF</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
Island Utility Load (GWh)	5,673	5,726	5,786	5,893	5,996	6,070	6,070	6,105	6,162	6,224	6,289	6,356	6,431	6,501	6,566	6,625	6,694	6,763	6,829	6,893
Island Industrial Load (GWh)	2,225	2,261	2,234	2,251	2,251	2,251	2,521	2,566	2,606	2,556	2,556	2,556	2,556	2,556	2,556	2,556	2,556	2,556	2,556	2,556
Transmission Losses (GWh)	178	180	180	181	181	181	183	182	183	183	184	184	184	185	185	186	186	187	187	187
Total Island Load (GWh)	8,075	8,166	8,200	8,325	8,428	8,501	8,773	8,853	8,951	8,962	9,028	9,096	9,171	9,242	9,307	9,366	9,435	9,505	9,572	9,636
Island Peak Demand (MW)	1,564	1,565	1,583	1,596	1,616	1,636	1,685	1,699	1,706	1,711	1,722	1,734	1,747	1,760	1,773	1,785	1,798	1,810	1,823	1,835
<u>2007 PLF</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	
Island Utility Load (GWh)	5,719	5,777	5,844	5,925	5,990	6,038	6,074	6,126	6,181	6,231	6,290	6,359	6,422	6,489	6,551	6,607	6,680	6,755	6,830	
Island Industrial Load (GWh)	2,251	2,236	2,247	2,247	2,614	2,871	2,871	2,871	2,821	2,821	2,821	2,821	2,821	2,821	2,821	2,821	2,821	2,821	2,821	2,821
Transmission Losses (GWh)	194	194	195	196	202	206	207	208	208	208	209	210	211	212	213	214	215	216	217	217
Total Island Load (GWh)	8,164	8,207	8,285	8,367	8,805	9,115	9,152	9,204	9,209	9,260	9,320	9,390	9,454	9,522	9,585	9,641	9,715	9,791	9,867	
Island Peak Demand (MW)	1,566	1,570	1,588	1,602	1,694	1,705	1,715	1,721	1,725	1,734	1,743	1,754	1,769	1,782	1,797	1,811	1,823	1,837	1,853	
<u>2008 PLF</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>
Island Utility Load (GWh)	5,888	5,965	6,039	6,097	6,145	6,176	6,222	6,219	6,261	6,293	6,319	6,370	6,417	6,473	6,547	6,613	6,670	6,737	6,802	6,877
Island Industrial Load (GWh)	2,029	2,006	2,015	2,037	2,258	2,573	2,641	2,596	2,596	2,596	2,596	2,596	2,596	2,596	2,596	2,596	2,596	2,596	2,596	2,596
Transmission Losses (GWh)	195	196	197	198	202	207	208	207	208	208	209	209	210	211	212	213	214	214	215	216
Total Island Load (GWh)	8,112	8,167	8,251	8,332	8,606	8,955	9,071	9,022	9,064	9,097	9,124	9,175	9,223	9,280	9,355	9,421	9,479	9,547	9,613	9,689
Island Peak Demand (MW)	1,566	1,582	1,600	1,621	1,649	1,714	1,720	1,726	1,730	1,738	1,745	1,752	1,762	1,772	1,785	1,797	1,809	1,821	1,833	1,846
<u>2009 PLF</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
Island Utility Load (GWh)	5,985	6,100	6,210	6,300	6,366	6,431	6,481	6,562	6,574	6,613	6,675	6,724	6,814	6,886	6,984	7,018	7,074	7,145	7,226	7,306
Island Industrial Load (GWh)	1,602	1,432	1,452	1,675	1,980	2,004	2,004	2,004	2,004	2,004	2,004	2,004	2,004	2,004	2,004	2,004	2,004	2,004	2,004	2,004
Transmission Losses (GWh)	194	194	196	199	204	205	205	206	206	207	208	208	209	210	211	211	212	213	214	215
Total Island Load (GWh)	7,781	7,727	7,858	8,174	8,550	8,640	8,691	8,772	8,784	8,824	8,887	8,936	9,027	9,100	9,199	9,233	9,290	9,362	9,444	9,525
Island Peak Demand (MW)	1,592	1,534	1,568	1,603	1,672	1,680	1,691	1,702	1,719	1,726	1,734	1,745	1,756	1,773	1,785	1,801	1,809	1,819	1,831	1,844
<u>2010 PLF</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>
Island Utility Load (GWh)	6,115	6,244	6,292	6,410	6,496	6,551	6,567	6,601	6,670	6,739	6,800	6,894	6,986	7,091	7,154	7,211	7,293	7,381	7,461	7,540
Island Industrial Load (GWh)	1,277	1,271	1,362	1,601	1,787	1,851	1,851	1,851	1,851	1,851	1,851	1,851	1,851	1,851	1,851	1,851	1,851	1,851	1,851	1,851
Transmission Losses (GWh)	193	194	196	200	203	204	205	211	212	214	219	220	225	227	227	228	229	230	231	232
Total Island Load (GWh)	7,585	7,709	7,849	8,211	8,485	8,606	8,623	8,663	8,732	8,803	8,869	8,965	9,062	9,169	9,232	9,290	9,372	9,461	9,543	9,623
Island Peak Demand (MW)	1,519	1,538	1,571	1,601	1,666	1,683	1,695	1,704	1,714	1,729	1,744	1,757	1,776	1,794	1,813	1,827	1,840	1,856	1,872	1,888