

Cost of Service Methodology

Technical Conference

October 14, 2025



SAFETY MOMENT



Experts Present Today

- **Samantha Tobin**, Sr. Manager, Resource & Production Planning
 - **Grant Outerbridge**, Sr. Manager, Electrification & Energy Optimization
 - **Rodney Lewis**, Manager, Revenue & Cost Recovery
 - **Matthew Halloran**, Manager, Regulatory Engineering
 - **Brian Sparkes**, Team Lead, Market Analysis & Load Forecasting
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Desired Conference Outcomes

- Newfoundland and Labrador Hydro (“Hydro”) aims to provide adequate information in relation to the Cost of Service Methodology topics included in its application to help parties arrive at **a consensus** surrounding Hydro’s proposals.
 - Questions were received on the following topics:
 - Conservation and Demand Management (“CDM”)
 - Customer Class Coincident Peak
 - Newfoundland Power Generation Credit
 - Holyrood Thermal Generating Station (“Holyrood TGS”)
 - Specifically Assigned Assets
 - Other
 - Firm Capacity of Muskrat Falls
 - Supply Cost Variance Deferral Account (“SCVDA”)
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ISSUE 1: CONSERVATION AND DEMAND MANAGEMENT



Summary of CDM Analysis and Discussion

- **Per Settlement Agreement:**
 - Hydro to review CDM plan for demand-related savings, jurisdictional classification, and materiality threshold options.
- **Summary of Analysis and Findings:**
 - Projects and spending justified by demand savings identified and provided.
 - Jurisdictional Scan found no common cost allocation methodology.
 - Alternative allocators show minimal impact due to low CDM cost materiality; even doubling costs produced immaterial variances.¹

¹As noted in Hydro's application, even when Hydro's costs were double (as noted in 2020, where two years of costs were allocated, 2019 and 2020), the maximum variance produced by using different allocation methodologies was \$12,000.



Summary of CDM Proposals

- Continue with the current practice of allocating CDM program costs on the Island Interconnected System (“IIS”) using an energy allocator.
- Establish a materiality threshold to assess if a change in allocation methodology is appropriate of \$1,000,000 in CDM program costs on the IIS.
- CDM program costs for the Labrador Interconnected System (“LIS”), including re-allocated amounts, be functionalized as generation.
- The classification between demand and energy for the CDM program costs in Labrador be based on the system load factor.
- The portion of the CDM program costs in Labrador classified as energy be added to the production demand costs for recovery in the generation demand rate charged to the Labrador Industrial customers.



CDM Issues

PUB Question #1

Newfoundland and Labrador Hydro (Hydro) is proposing a different treatment for CDM program costs for the Labrador Interconnected System from that proposed for those costs for the Island Interconnected System.

Please explain:

(i) why different approaches are appropriate for the same type of costs; and

(ii) whether the approach recommended for the Labrador Interconnected System would also be reasonable for the island Interconnected System at the current level of program costs.



CDM Program Cost Allocation – Island vs Labrador

- Recommended LIS cost be allocated based on system load factor in the Cost of Service Study.
 - LIS cost recovered in base rates; currently do not have an annual rate update to recover costs between test years.
 - Island Interconnect costs recovered in rider adjusted annually.
 - Allocation can be different in the Cost of Service vs Rider calculation for administrative efficiency.
 - Treatment in both cases yields similar results.
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CDM Program Cost – Alternative Allocators

	Classification	Allocator	Customer	2020	2021	2022	2023	2024	Total
Alternative 1	Demand	Coincident Peak	Newfoundland Power	12	9	4	6	13	44
			Island Industrial Firm	(12)	(9)	(4)	(6)	(13)	(43)
			Rural Island Intc.	(0)	(0)	(0)	(0)	(0)	(0)
				(0)	(0)	(0)	0	(0)	(0)
Alternative 2	Demand	Winter Energy	Newfoundland Power	5	4	2	2	8	21
			Island Industrial Firm	(5)	(3)	(2)	(2)	(8)	(20)
			Rural Island Intc.	(0)	(0)	(0)	(0)	(0)	(0)
				0	(0)	0	0	0	0
Alternative 3	System Load Factor	Demand - Winter Energy Energy - kWh	Newfoundland Power	3	2	1	2	4	12
			Island Industrial Firm	(2)	(2)	(1)	(1)	(4)	(9)
			Rural Island Intc.	(0)	(0)	(0)	(0)	(0)	(0)
				1	0	0	1	1	3
Alternative 4	System Load Factor	Demand - Coincident Peak Energy - kWh	Newfoundland Power	6	4	2	3	6	23
			Island Industrial Firm	(5)	(4)	(2)	(3)	(6)	(20)
			Rural Island Intc.	(0)	(0)	(0)	(0)	(0)	(0)
				1	0	0	0	0	3

- The annual variances in the allocation of costs using methods other than the existing energy allocation methodology result in immaterial variances annually between customers; the maximum total variance is \$44,000 or an average of \$7,000 per year.
- In 2020, where two years of costs were allocated, both 2019 and 2020, totalling \$724,000, using alternative methods of allocation produced a maximum variance of \$12,000.

CDM Issues

CA Question #1

(It is stated (page 15) "Generation costs for Labrador Industrial customers are nonregulated and are currently only allocated to demand costs in the cost of service. Since the Industrial customers will benefit from CDM programs, Hydro is proposing that the portion of program costs classified as energy be added to the production demand costs for recovery in the generation demand rate charged to these customers." Please provide further explanation.



Labrador Industrial Customers – CDM Program Cost Allocation

- Generation cost for Labrador Industrials is non-regulated. Only the demand charges are calculated in the Cost of Service.
- Hydro is proposing that the classification between demand and energy for the CDM program costs be based on the system load factor (costs will be allocated to both demand and energy).
- Hydro is proposing that the energy portion of that allocation be recovered in the generation demand rate, since the energy charges are non-regulated and set by formula.



CDM Issues

PUB Question #2

Please explain whether the majority of CDM programs for the Island Interconnected System are targeted at reductions in system peak during the winter season and whether Hydro considered the allocation of CDM program costs for the Island Interconnected System based on the winter period energy use.



Allocation of CDM Program Costs on the IIS

- Programs justified based on Demand and Energy reductions.
- Energy reductions during the winter period also support peak demand reductions.
- Hydro evaluated allocations based on winter period energy, annual energy, and demand/energy allocation and found no material differences in results.
- Recommending continuation of the energy allocator.



CDM Issues

PUB Question #3

Please discuss the merits of allocation of CDM costs using annual energy use versus winter period energy use.

- Winter Energy is a proxy for a coincident peak allocator.
- Annual Energy can remove some of the volatility associated with peak demand allocators, which are impacted by weather conditions and the time of day at which the peak occurs.
- Annual Energy incorporates both demand and energy aspects into the allocation.



CDM Issues

PUB Question #4

Please explain why the threshold of \$1,000,000 is appropriate to trigger a review of the methodology for the allocation of CDM program costs and whether Hydro considered other threshold levels.



Proposed Threshold of \$1,000,000

- Hydro spends approximately \$1 million annually on CDM programs for Isolated Systems (allocated between Newfoundland Power and Rural Labrador Interconnected customers based on the Rural Deficit allocation in the 2019 Test Year Cost of Service Study).
 - \$1,000,000 more than double the current expenditure levels for the Island Rural.
 - The time period required to reach \$1,000,000, along with the increase over existing expenditures, is significant enough to review the allocation methodology, giving consideration to any change in CDM spending.
 - Analysis completed based on \$725,000 showed immaterial variances (maximum variance of \$12,000) over the four alternative allocation methods reviewed.
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Forecast CDM Program Costs

CA Question #8

Why does Hydro believe there will be little change in CDM costs going forward when it does not yet know the results of its study on CDM opportunities, there is a \$2 billion Build Application before the Board and rates are expected to increase to 25 cents/kWh? Should this not drive increased spending on CDM and other behind-the-meter alternatives?

- Hydro has approximately 23,000 customers on the IIS.
 - Average costs over the last four years of \$330,000; high of \$410,000 in 2023.
 - Hydro pays approximately 15% of program costs.
 - Expenditures on CDM for the IIS would have to increase significantly to materially impact Hydro's costs.
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Labrador CDM Program Costs

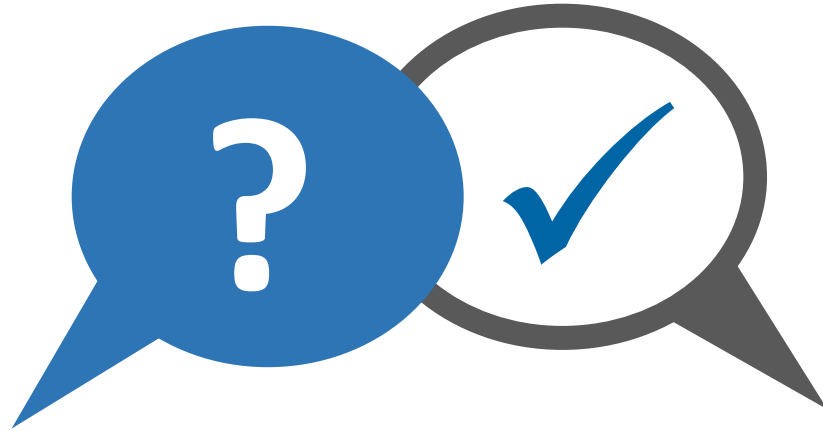
LIG Question #1

Please explain why CDM expenditures have been so low in Labrador, and whether there are plans to expand CDM efforts there.

- CDM programming on the LIS matches what is offered to Hydro's customers on the IIS (insulation, business efficiency, instant rebates).
- Customer electricity rates in Labrador are among the lowest in North America, which significantly impacts customer participation levels.
- Hydro plans to refine its CDM programming for the LIS once there is more certainty around supply and supply costs in central Labrador.



Questions?



ISSUE 2: CUSTOMER CLASS COINCIDENT PEAK

Summary of Customer Class Coincident Peak Analysis and Discussion

- **Per Settlement Agreement:**
 - Hydro to review customer class contribution to uncertainty parameters (P50 vs P90) to ensure the calculation of peaks used in the Cost of Service Study appropriately reflects the contribution of the different customer classes to the coincident peak used for planning purposes.
- **Summary of Analysis and Findings:**
 - Newfoundland Power, Hydro Rural, Labrador Utility loads correlate with temperature/wind chill; Industrial classes show little correlation.
 - No material difference in coincident factors or class contributions under P50 vs P90.
 - Coincident factors for P50 are appropriate and are aligned to the load forecast used for system planning; no additional factors needed.
- **Conclusion:**
 - Current Cost of Service Study peaks accurately reflect customer class contributions.



Customer Class Coincident Peak Issues

PUB Question #7

Please explain whether Hydro uses a P50 or a P90 forecast for forecasting system load requirement for the Island Interconnected System.

IIC Question #1

Further to Question 7 submitted by the Public Utilities Board for this Technical Conference, please elaborate (and quantify) on the difference between a P90 load forecast and the peak demand for planning purposes, including any planning reserve margin included by Hydro for the purposes of identifying required peak installed capacity.



Load Forecast P50 vs P90

- Hydro uses a P50 for its load forecast, which is consistent with all Reliability and Resource Adequacy (“RRA”) studies filed with the Board of Commissioners of Public Utilities (“Board”) since 2018.
 - The 2024 Resource Adequacy Plan includes a calculation of a series of planning reserve margins represented by MW as well as the resulting percent at peak, which are all determined from the P50 load forecast.*
 - For example, a planning criteria of 2.8 LOLH, in combination with a LIL Bipole EqFOR of 1% results in a 360MW planning reserve margin, which is 17.1% of peak, based on a P50 load forecast.
- The 2024 Island Interconnected System Load Forecast Report quantifies the difference between the P50 vs P90 forecast at ~ 60 MW.**

* 2024 Resource Adequacy Plan, Appendix B, Section 5.1.7, Table 10.

** 2025 Build Application, Schedule 3, Appendix A, Section 3.2.1.6.



Customer Class Coincident Peak Issues

PUB Question #5

Please provide an illustration of the derivation of the coincident peak demand by Island customer class (Newfoundland power, Island Industrial Customers and Hydro Rural) with the starting point being the maximum demand forecast. In the derivation, please include the application of the coincident factor and the generation credit when applicable.



Illustration of Coincident Peak

Coincident Peak Demand			
	Newfoundland Power	Hydro Rural	Island Industrial
Non-Coincident/Maximum Load (MW)*	1,504	91	92
Coincident Factor (%)	99.1%	96.1%	84.5%
Coincident Peak (MW)	1,490	87	78
Existing Hydraulic Generation Credit (MW)	83.5		
Coincident Peak After Hydraulic Credit (MW)	1,407	87	78

*2024 Load Forecast for the year 2027

Customer Class Coincident Peak Issues

PUB Question #6

Please explain how the non-coincident peak demand forecast for both Newfoundland Power and Island Industrial customers is prepared, including whether information provided by customers is included.



Non-Coincident Peak Demand

- Industrial Customers
 - The Power on Order provided by the Industrial customer is used for Industrial customers, updated annually.
- Newfoundland Power Peak
 - Newfoundland Power's peak is calculated using Hydro's load forecasting model, which is updated annually.
 - Hydro load forecasted model uses numerous variables, including:
 - Historical Data
 - Weather Data (P50 forecast)
 - Customer Data from Newfoundland Power
 - Economic Forecast from Provincial Government
 - Electric Vehicle Forecast from Dunskey Energy + Climate



Customer Class Coincident Peak Issues

PUB Question #8

Please explain the specific methodology used by Hydro in the exploratory data analyses on Load vs Weather described in Schedule 1, Attachment 2, including details of the basic characteristics of each dataset (e.g., number of observations, exclusion, outliers, etc.).



Methodology of Load vs Weather

Methodology used for Load vs Weather

- Used hourly weather and load data for six winter periods; consider a winter period to be December to March.
 - Scatter plots of the data by rate class were used to identify data patterns and relationships.
 - Correlation coefficients were then calculated to assess the strength of the relationships.
 - No material exclusions.
 - Over 17,000 observations for each rate class.
- 

Customer Class Coincident Peak Issues

PUB Question #9

Please explain in the methodology used to analyze Load vs. Weather what constitutes a "strong" vs "medium" correlation in the range from -1 to +1. Are there specific parameters for these qualifiers or are they judgement based?

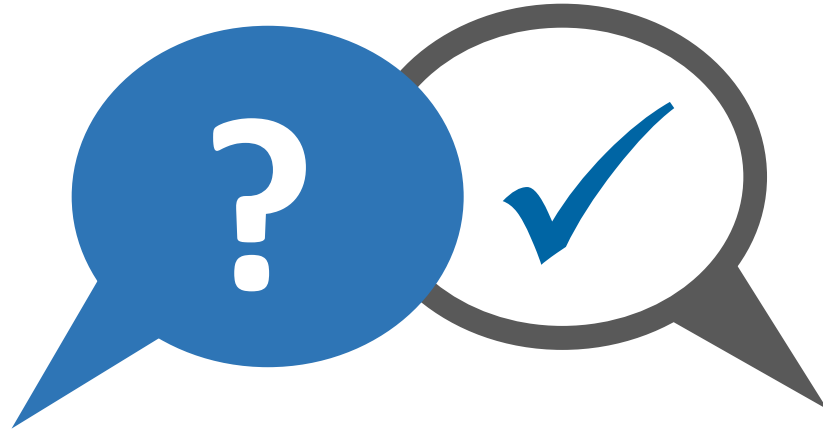


Correlation Statement

- The correlation statements are judgment-based.
- Generally consider values:
 - Between 0.7 to 1, or -0.7 to -1 to be strong to very strong.
 - Between 0.4 to 0.7, or -0.4 to -0.7 to be moderate to strong
 - Between 0.4 or -0.4 to 0 to be weak to none.



Questions?



ISSUE 3: NEWFOUNDLAND POWER GENERATION CREDIT

Summary of Newfoundland Power Generation Credit Proposals

- **Per Settlement Agreement:**
 - Hydro to review methodology for the calculation of the megawatt credit provided to Newfoundland Power to ensure reasonableness.
 - **Summary of Analysis and Findings:**
 - Current method: Total generation capacity minus reserve = credit.
 - Analysis of historical data (2020–2024) shows hydraulic generation during system peaks better reflects available capacity.
 - **Proposal:**
 - Hydraulic credit = **64 MW** (five-year historical average at peak).
 - Thermal credit process remains unchanged (forecast capability minus reserve).
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Newfoundland Power Generation Credit Issues

PUB Question #10

In Schedule 1, Attachment 4 Hydro used five years of data of Newfoundland Power's hydraulic generation at system peak to calculate an average. Explain why five years was chosen for the calculation and whether Hydro reviewed the data to determine the reasons for the variances in available generation over the period. In the response include whether Hydro considered whether any one year was not representative, that is, was an outlier, and should be exclude from the calculation.

PUB Question #11

Please explain if and how the current method of operation of Newfoundland Power's hydro plants are the request of Hydro impacts the calculation of the generation credit.

NP Question #3

Please explain how Hydro differentiates its requests for all of Newfoundland Power's hydroelectric generation in the following circumstances:

- a. In the days leading up to a system peak.*
 - b. To support an actual system peak.*
 - c. During the winter season when the system is not experiencing a peak.*
- 

Overview of Analysis

- Newfoundland Power has hydraulic generation, which Hydro can request to be maximized as required to support the IIS.
- Analysis of historical data first began in 2021, which dates back to 2017.
- As part of this filing, historical data from January 2020 to December 2024, inclusive, was completed to determine the amount of hydraulic generation that Newfoundland Power has been consistently providing during times of high or peak demand on the IIS.
 - Analysis is based on the calendar year (January 1 to December 31).



Overview of Analysis

- The following three scenarios were evaluated:
 - Annual IIS highest average hourly demand;
 - Top 5% of Island demand hours; and
 - Top 10% of Island demand hours.
- It was confirmed for all values considered in the analysis that a formal request was made by the Energy Control Centre (“ECC”) to Newfoundland Power to maximize hydraulic generation.
 - If there was no evidence of a formal request, the value was excluded from the analysis.
- The ECC will call upon Newfoundland Power to maximize all hydro generation on the Island to assist with meeting peak load.
 - Therefore, requests by the ECC to maximize Avalon hydro generation only to offload a transmission corridor was excluded from the analysis.
- All available data was reviewed to determine reasons for variances.



Newfoundland Power Hydro Generation at Peak

- Given that weather patterns, which typically drive periods of high demand, can persist for more than one day, the day prior to and the day after the highest peak day were also assessed as part of the analysis.
- This ensured that Newfoundland Power received appropriate credit for instances in which its generation provided assistance in managing peak in a period of high demand on the day prior to or following the day that the annual peak occurred, but was more limited in their ability to supply during peak hours for external reasons, such as low reservoir levels.
- For each of these three days, the peak hour was identified, as well as the hour before and after the peak hour.
- The average Newfoundland Power hydraulic generation for these three hours on each day was calculated.
- The overall average for the three days was then determined for each year.



Newfoundland Power Hydro Generation at Peak

- When considering hydro generation contribution during peak, Hydro also assessed the following:
 - Newfoundland Power's daily generation capacity report that states the available hydro reserve was compared against the generation received.
 - Hydro took into consideration how frequently Newfoundland Power was called upon to maximize.
 - All formal requests to maximize both Island and Avalon hydro generation in the winter months (i.e. December to March); and
 - All formal requests to maximize both Island and Avalon hydro generation two weeks leading up to the system peak.



Newfoundland Power Hydro Generation at Peak

- Summary of the IIS highest average hourly demand for each year on a calendar year basis, and the corresponding average Newfoundland Power hydraulic generation at that time is provided below.

Year	IIS Peak Demand (MW)*	Newfoundland Power Hydraulic Generation (MW)
2017	1,688	53
2018	1,624	44
2019	1,777	55
2020	1,641	66
2021	1,581	60
2022	1,614	71
2023	1,770	76
2024	1,728	48
Five-Year Average	-	64

- There was not a year that Hydro considered an outlier.

* IIS Peak and not Hydro's system peak, which is used in the determination of the coincident factor.

Newfoundland Power Hydro Generation at Peak vs Generation Capacity Report

- The table below compares the request to maximize hydro generation compared to Newfoundland Power's available reserve.

Date	Island Reserve (MW) as per NP Gen. Cap. Report	Actual (MW)	Delta (MW)
7-Feb-2017	63.31	66.00	2.69
8-Feb-2017	53.97	58.00	4.03
9-Feb-2017	63.35	36.00	N/A
7-Jan-2018	54.49	46.26	-8.24
8-Jan-2018	41.25	52.48	11.53
9-Jan-2018	60.09	32.85	N/A
19-Feb-2019	65.00	58.00	-6.99
20-Feb-2019	67.02	51.77	-15.25
21-Feb-2019	67.49	54.11	N/A

Newfoundland Power Hydro Generation at Peak vs Generation Capacity Report (Continued)

- The table below compares the request to maximize hydro generation compared to Newfoundland Power's available reserve.

Date	Island Reserve (MW) as per NP Gen. Cap. Report	Actual (MW)	Delta (MW)
20-Feb-2020	76.75	65.05	-11.69
21-Feb-2020	NP Generation Report not Available		
22-Feb-2020	73.34	57.93	-15.41
10-Feb-2021	65.64	60.89	-4.75
11-Feb-2021	71.57	52.29	-19.28
12-Feb-2021	67.43	66.41	-1.02
15-Feb-2022	80.73	76.24	-4.49
16-Feb-2022	69.35	66.26	-3.08
17-Feb-2022	78.95	70.06	-8.89

Newfoundland Power Hydro Generation at Peak vs Generation Capacity Report (Continued)

- The table below compares the request to maximize hydro generation compared to Newfoundland Power's available reserve

Date	Island Reserve (MW) as per NP Gen. Cap Report	Actual (MW)	Delta (MW)
26-Feb-2023	81.08	75.71	-5.37
27-Feb-2023	81.08	76.43	-4.65
28-Feb-2023	79.95	75.94	-4.01
23-Jan-2024	82.61	49.68	-32.93
24-Jan-2024	76.94	50.63	-26.31
25-Jan-2024	80.82	44.91	-35.91

- This information helped Hydro to assess whether available capacity was a factor compared to the actual generation; however, it did not impact the calculation.
 - Hydro did not find a reason to exclude any years from the five-year average generation credit at peak.
- 

Newfoundland Power Hydro Generation Requests

- The table below quantifies the formal request by the ECC to maximize Newfoundland Power's hydro generation during the winter months.

	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Dec	10	7	11	5	16	13	8
Jan	12	6	20	18	8	9	14
Feb	10	8	10	11	8	14	7
Mar	10	24	4	5	10	22	4
Total	42	45	45	39	42	58	33

Newfoundland Power Hydro Generation Requests

- The table below quantifies the formal request by the ECC to maximize Newfoundland Power's generation for two weeks leading up to Island peak.

	8-Jan-2018	20-Feb-2019	21-Feb-2020	11-Feb-2021	15-Feb-2022	27-Feb-2023	24-Jan-2024
# of Requests	6	2	7	9	3	5	4

- Please note, this check does include requests to maximize both Island and Avalon hydro generation, as Hydro were considering it from a “depletion of reservoirs” angle.
 - This information helped Hydro to assess whether available hydrology was a factor compared to the actual generation; however, it did not impact the calculation.
 - Hydro did not find a reason to exclude any years from the five-year average generation credit at peak.
- 

Top 5% and 10% of Island Demand Hours

- Summary of the average Newfoundland Power hydraulic generation during the 5% and 10% of hours with the highest IIS demand.

Year	NP Hydraulic Generation during top 5% of hours of Island Demand (MW)	NP Hydraulic Generation during top 10% of hours of Island Demand (MW)
2017	49	48
2018	56	57
2019	53	53
2020	50	49
2021	59	58
2022	73	70
2023	64	61
2024	49	51
Five-Year Average	59	58

Recommendation

- Average Newfoundland Power hydraulic generation for each scenario assessed for both 2020–2024 and 2017–2024 is summarized below.

	Average Newfoundland Power Hydraulic Generation 2020-2024 (MW)	Average Newfoundland Power Hydraulic Generation 2017-2024 (MW)
During IIS Peak	64	59
During 5% of Hours with Highest Demand	59	57
During 10% of Hours with Highest Demand	58	56

- It is recommended that the generation credit provided to Newfoundland Power reflect a credit of 64 MW for its hydraulic generation provided at peak.
 - Hydro completes this analysis annually and recommends maintaining a five-year average.
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Newfoundland Power Generation Credit Issues

PUB Question #12

Does Hydro request Newfoundland power to perform any test or provide evidence to establish that Newfoundland Power's thermal generation is capable of operating at the credit of 34.6 MW? If yes, please provide the result of any dispatch requests from Hydro for the operation of Newfoundland Power's thermal generation.



Newfoundland Power Thermal Generation Test Results

- Newfoundland Power is required to test their thermal during each winter period.
- The table below summarizes Newfoundland Power's thermal generation test results from the past five years.

Winter	Date	Max Thermal Generation (MW)
2020-2021	December 10, 2020	40.7
2021-2022	December 21, 2021	39.9
2022-2023	January 11, 2023	43.1
2023-2024	December 14, 2023	41.4
2024-2025	March 18, 2025	43.5
Average		41.7

Newfoundland Power Generation Credit Issues

IIC Question #4

Please provide the following:

- a. an estimate of the net credit provided to Newfoundland Power via the thermal component of the Generation Credit (i.e., total Newfoundland Power allocated costs with the proposed generation credit, and with an assumption of zero generation credit and zero peak operation of Newfoundland Power's units)*
 - b. the estimated Newfoundland Power revenue requirement for the thermal generation.*
 - c. Has NL Hydro considered capping the value of the Newfoundland Power generation credit at the net rate base/revenue requirement cost incurred by Newfoundland Power to maintain the units?*
- 

Newfoundland Power Thermal Generation Credit

- Estimate of the net credit provided to Newfoundland Power (approx. \$200,000).
 - Newfoundland Power's revenue requirement for thermal generation is not separately identified in the latest Cost of Service.
 - In the 2006 Review of Hydro's Treatment of Newfoundland Power's Generation, one of the options considered for the thermal credit was Newfoundland Power's internal cost.
 - Preferred alternative was Hydro's average embedded costs.
 - Hydro has not considered proposing a change to this approach.
- 

Newfoundland Power Generation Credit Issues

NP Question #1

Please provide a revenue requirement estimate for Newfoundland Power resulting from a change of Newfoundland Power's hydro plant Generation Credit from 83,486 kW to 64,000 kW, as well as to 74,000 kW (average of the two). In the estimate, please include consideration of the revenue requirement with and without: (i) the effects of the rural deficit; and (ii) the Provincial Government rate mitigation plan.



Estimated Revenue Requirement for Newfoundland Power

- Cost of Service not completed for a 2027 Test Year.
- 2019 Test Year Estimated Impacts are:

	Change from 83,486 kW (\$000)		
Hydraulic Credit (kW)	Revenue Requirement (before Deficit)	Deficit	Revenue Requirement (after Deficit)
64,000	390	(168)	222
74,000	191	(82)	108

Newfoundland Power Generation Credit Issues

NP Question #2

In a table, provide the date and time of each request from Hydro to Newfoundland Power to run its hydro generation over the period 2020 to 2024. Also include the amount of generation requested.



Response to NP's Question #2

- The complete data set, including the date and time, for each formal request from the ECC to Newfoundland Power to maximize its hydro generation on the Island from 2020 to 2024 can be found in Appendix B to Attachment 4 of the Cost of Service Methodology for the following situations:
 - Newfoundland Power Hydraulic Generation during System Peak.
 - Newfoundland Power Hydraulic Generation during Top 5% of IIS Load Hours.
 - Newfoundland Power Hydraulic Generation during Top 10% of IIS Load Hours.
- In addition, appended to this presentation is a table that includes the date and time of all formal requests from the ECC to Newfoundland Power to maximize its Island hydro generation from 2020 to 2024, including the date and time each request was cancelled.



Newfoundland Power Generation Credit Issues

CA Question #5

On Schedule 1, page 15 it is stated "Based on the analysis completed, Hydro proposes a hydraulic credit of 64 MW for Newfoundland Power, which is the five-year average, 2020 to 2024, of Newfoundland Power's hydraulic generation at the time of system peak."

- a. In all requests to NP to increase generation, did Hydro request full production?*
 - b. Was this calculation affected by the lack of generation at the Victoria and Topsail plants?*
 - c. Has NP been consulted on the proposed change in methodology and is NP agreement?*
 - d. Why is this approach more relevant than the "reserve at" criterion?*
 - e. Is a similar methodology being applied to Industrial customers?*
- 

Response to CA Question #5

- *CA 5a. In all requests to NP to increase generation, did Hydro request full production?*
- In all requests to Newfoundland Power to increase hydro production, Hydro's request is to either maximize Avalon generation or to maximize Island generation (which would include the Avalon generation).
 - The analysis excluded Hydro's request to maximize Avalon generation for reasons noted previously.



Response to CA Question #5 (Continued)

CA 5b. Was this calculation affected by the lack of generation at the Victoria and Topsail plants?

- The calculation is based on Newfoundland Power's historical total hydro generation and is not completed at a granular plant level.
 - Hydro is aware of the status of the plants via the daily Newfoundland Power Generation Capacity reports; however, it does not impact the calculation.
 - Therefore, the specific hydro generation contribution from Victoria (0.55 MW winter-rated capacity) and Topsail (2.55 MW winter-rated capacity) was not considered on an individual basis.



Response to CA Question #5 (Continued)

CA 5c. Has NP been consulted on the proposed change in methodology and is NP in agreement?

- The hydro generation contribution calculation has been completed and communicated to Newfoundland Power on an annual basis since December 2021.
 - In early 2022, Newfoundland Power reviewed the analysis and was aligned with Hydro's methodology.
 - Annual updates are communicated during the Joint System Planning meetings and are incorporated into Hydro's reliability planning analysis.
 - In early 2024, Newfoundland Power reviewed the updated analysis and deemed Hydro's recommended value to be an appropriate reflection of their hydro contribution at peak.
 - Newfoundland Power agreed that it is an appropriate assumption for planning purposes for the IIS, and were made aware that it was being proposed as part of our Cost of Service.



Response to CA Question #5 (Continued)

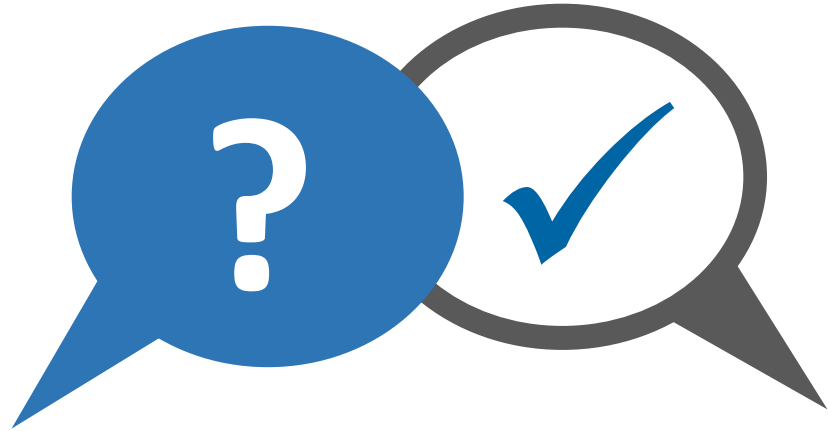
CA 5d. Why is this approach more relevant than the "reserve at" criterion?

- The methodology that Hydro is recommending is reflective of Newfoundland Power's historic hydro generation contribution at peak when they are requested to maximize.
- Based on the historic data that was assessed as far back as 2017, the hydro generation contribution at peak was consistently below the current hydro generation credit.
- Hydro's recommendation is to align with the actual hydro generation contribution that is based on historic data.

CA 5e. Is a similar methodology being applied to Industrial customers?

- A similar methodology is not being applied to Industrial customers.
- 

Questions?



ISSUE 4: HOLYROOD THERMAL GENERATING STATION

Summary of Holyrood TGS Proposals

- **Agreed upon in the last Cost of Service Methodology Review:**
 - The Holyrood TGS Unit 3 shall be functionalized as transmission after the unit is permanently converted into the role of a synchronous condenser;
 - The classification of the Holyrood TGS generation costs, excluding fuel, be based on a test year forecast capacity factor; and
 - The fuel costs related to Holyrood are currently classified as energy, approved by the Board in Order No. P.U. 30(2019).
- **Holyrood Current Operations:** The Holyrood TGS continues to be operated primarily as a base load plant with two units operating throughout the peak winter months, with the third unit brought on in anticipation of extremely cold weather and associated high levels of demand, then subsequently shut down with the return to normal winter conditions.
- **Conclusion and Recommendation:**
 - Based on the current operation of the Holyrood TGS, which is anticipated to continue through the Bridging Period,¹ combined with the opinion of CA Energy Consulting, Hydro recommends that the cost of service treatment remain the same for the 2027 Test Year to be included in Hydro's upcoming GRA filing, with the allocation of costs reviewed for each subsequent GRA; more specifically, that:
 - The classification of the Holyrood TGS generation costs, excluding fuel, be based on a test year forecast capacity factor; and
 - Holyrood TGS fuel costs be classified as 100% energy.

¹The Bridging Period is defined as the period from the present until 2030; the year in which aging thermal assets are assumed to be retired. These assets shall remain available through the Bridging Period until 2030, or until such time that sufficient alternative generation is commissioned, adequate performance of the LIL is proven, and generation reserves are met. During the Bridging Period, the system would rely primarily on existing sources of generation capacity to maintain reliability while new generation capacity is being built.



Holyrood TGS Issues

IIC Question #2

Please provide a detailed description of the need for running Holyrood during peak winter months, in terms of energy and capacity. Is there any energy need at that time, or is sufficient energy available from off-Island sources to meet all Island load absent Holyrood?



Holyrood TGS: Capacity Requirement

- Maintaining and operating the Holyrood TGS assets until new generation can be approved, constructed, and reliably integrated into the system forms the basis of the RRA Study Bridging Plan.
- The need to rely on the capacity provided by the Holyrood TGS is proven in the reliability analysis as part of the annual Near-Term Reliability reports.
- The 2024 Near-Term Reliability Report included a sensitivity that assumed Holyrood TGS Unit 1 is unavailable for the winter 2024–2025 period.*
- A comparison of the Loss of Load Hours (“LOLH”) is provided below.

Scenario	LOLH Criteria	2025 LOLH
Scenario 1: Reference Case	2.8	2.0
Scenario 1A: Holyrood Unit 1 Out of Service for Winter 2024-2025	2.8	4.1

- Should only 2/3 Holyrood units be available during the winter period, it impacts the reliability of the IIS by increasing the LOLH two-fold, and violates the established 2.8 LOLH planning criteria.

* *Reliability and Resource Adequacy Study Review, 2024 Near-Term Reliability Report, Section 4.2.1.*

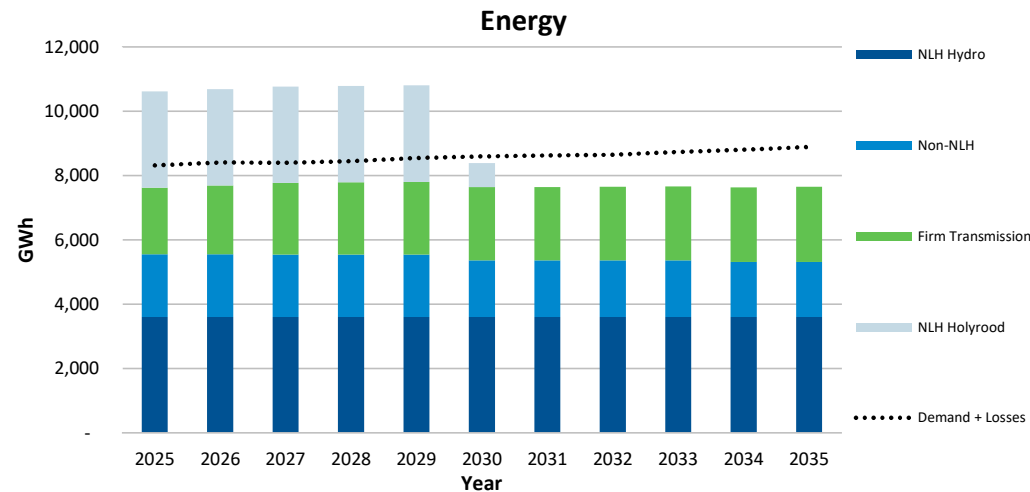


Holyrood TGS: Capacity Requirement

- As part of the 2022 RRA Study, the standby capability of the Holyrood TGS units was assessed.
 - The conclusion was that standby generation must be dispatchable and able to synchronize with the grid quickly, ideally with a recall time within 10 minutes, and the Holyrood TGS is not configured to meet these requirements.
 - Holyrood TGS was designed to be base loaded (i.e., limited starts, limited cycling), with a unit recall time of more than 24 hours.
 - The recommendation in 2022 was to base load all three units to ensure the availability of capacity for the IIS.
 - This recommendation has since been refined, with the continued operation and commissioning of the Labrador-Island Link (“LIL”), to base load two units each winter to balance cost (through the reduction of fuel usage) and reliability.
 - However, all three units are required to be available for reliability purposes, as noted in the previous slide.
- 

Holyrood TGS: Energy Requirement

- Due to the requirement for the Holyrood TGS units to be base loaded, the current methodology of having two units online and operating at a minimum of 70 MW during the winter period does inject energy into the IIS.
- Due to energy flows from the LIL, we utilize that to ensure that the Holyrood units can maintain the minimum output of 70 MW.
- As demonstrated in the 2024 Resource Adequacy Plan, and the 2025 Build Application, once the Holyrood TGS retires in 2030, the IIS will no longer meet its firm energy criteria without expansion.
 - The chart below depicts the firm energy requirement against firm energy available based on the Slow Decarbonization load forecast.



Holyrood TGS: Energy Requirement

- Thermal generation from the Holyrood TGS has historically allowed Hydro to compensate for low hydrology inflow years by increasing thermal generation as required.
- The Holyrood TGS will enable Hydro to ensure the firm energy requirement is met until new generation is approved, constructed, and reliability is integrated into the IIS.
- However, an additional firm energy source is required immediately following the retirement of the Holyrood TGS.
- While it appears in the chart that there is excess energy from 2024–2029, this is highly dependent on the number of units at the Holyrood TGS that are online each winter.
- Hydro continues to utilize LIL deliveries to minimize Holyrood TGS generation to the extent possible; therefore, under normal circumstances, the LIL is the marginal source of energy.



Holyrood TGS Issues

PUB Question #13

Please explain why it is appropriate to classify the Holyrood Thermal Generation station fuel costs as 100% energy assuming the proposed operation of the Holyrood Plant during the Bridging Period as described in Schedule 1, page 13, line 5-26.

IIC Question #3

Please provide a detailed description of why Holyrood capital costs would not fit within a 100% capacity classification, if their role is primarily related to backing up off-island sources?



Allocation of Holyrood TGS Costs

- Holyrood continues to be operated as a base load plant; therefore, Hydro is not recommending any changes to the approved treatment of Holyrood capital costs. Capital cost allocated based on capacity factor. In the 2019 Cost of Service Study, the capacity factor was 15.74%.
 - CA Energy reviewed the current operation of Holyrood and the classification of fuel.
 - CA Energy's opinion was, for the medium term, the continuation of two of Holyrood's units as base load, and industry practice regarding the treatment of fuel suggests that this classification should continue.
 - Per CA Energy, given the small amount of fuel that the third unit is likely to consume, it seems sensible to classify all Holyrood fuel as energy-related rather than to estimate the small share associated with the third unit that might be classified as demand-related.
- 

Holyrood TGS Issues

CA Question #7

Is Holyrood the marginal plant in the winter months?

- No, Holyrood is not the marginal source of energy.
 - As discussed previously, Holyrood TGS is online during the winter period for reliability requirements.
 - As explained previously, Hydro continues to utilize LIL deliveries to minimize Holyrood TGS generation to the extent possible; therefore, under normal circumstances, the LIL is the marginal source of energy.
 - Therefore, the marginal cost of energy is based on the export cost, which is based on an approved methodology.
- 

Holyrood TGS Issues

PUB Question #14

Please provide an estimate of the forecast capacity factor for the Holyrood Thermal Generating station reflecting the proposed operation described in Schedule 1, page 13, lines 5-26.

Holyrood Thermal Generating Station Estimated Capacity Factor

Year	Net Production (kWh)	Net Capacity (MW)	Net Production Hours	Net Capacity Factor
2027	467,043,000	465.50	8,760.00	11%

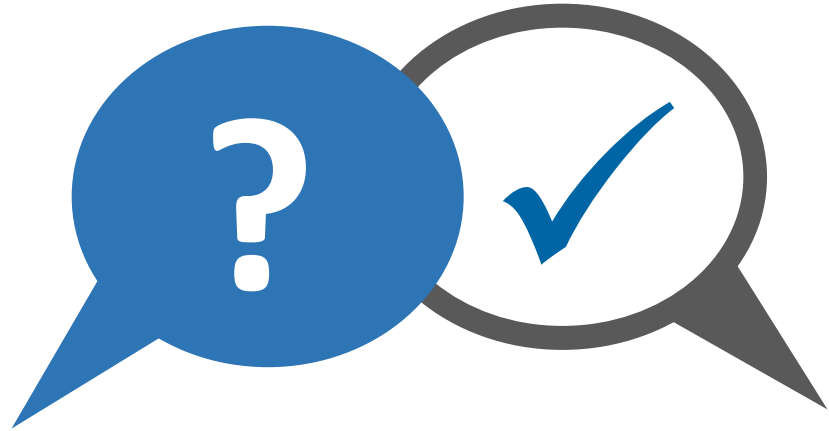
Holyrood TGS Issues

PUB Question #15

Using the 2027 forecast fuel costs for the Holyrood Thermal Generating station, please provide a comparison of the differences in cost allocation by customer class (after the rural deficit allocation) if the fuel costs were classified as (i) 100 % energy-related; (ii) 100% demand-related; and (iii) base on the forecast 2027 capacity factor.

Holyrood Thermal Generating Station Estimated Fuel Allocation (before deficit) \$000						
Classification	Fuel Classification			Customer Allocation		
	Production Demand	Production Energy	Total	Newfoundland Power	Industrial	Rural
100% Energy		75,000	75,000	63,482	6,809	4,709
100% Demand	75,000		75,000	66,480	3,798	4,722
2027F Capacity Factor	66,750	8,250	75,000	66,150	4,129	4,721
Customer Ratios						
Newfoundland Power	88.64%	84.64%				
Industrial	5.06%	9.08%				
Rural	6.30%	6.28%				

Questions?



ISSUE 5: SPECIFICALLY ASSIGNED ASSETS

Summary of Specifically Assigned Asset Proposals

- **Per Settlement Agreement:** Hydro to assess the feasibility of using actual expenses for specifically assigned charges.
- **Proposal:**
 - Use actual operating and maintenance (“O&M”) costs for allocation.
 - Proposed components:
 - Direct O&M: Six-year historical average per asset.
 - Indirect O&M: Proportional loader applied to direct charge for system-level overhead.

$$\text{Indirect Loader} = \frac{\text{Transmission A\&G} + \text{Transmission Other}}{\text{Transmission Direct O\&M} + \text{Terminals Direct O\&M}}$$

- **Result:**
 - More accurate, asset-specific cost attribution.
- 

Specifically Assigned Assets Issues

CA Question #2

*Are work orders an accurate portrayal of actual O&M costs for specific transmission assets?
What is the cost of tracking such "work order" costs relative to the method currently used?*

- Work orders capture actual direct O&M costs against all of Hydro's Assets (Labour, Equipment, Materials, etc.).
 - Along with Indirect Loader, captures accurate direct and indirect O&M costs against specifically assigned assets.
 - Work order tracking is already inherent in Hydro's Computerized Maintenance Management System and work execution processes.
 - No material incremental cost compared to the current method.
- 

Specifically Assigned Assets Issues

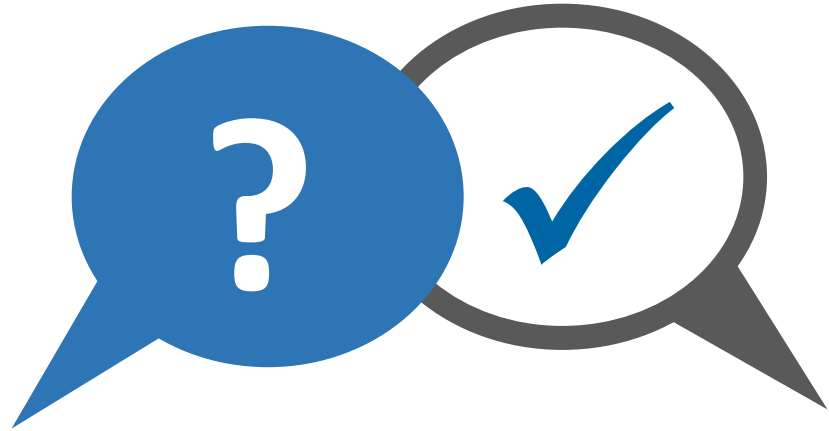
CA Question #3

On Schedule 1, page 7 it is stated "Additionally, as outlined in Attachment 3, Hydro intends to continue its practice of recovering capital costs through direct charges to Industrial customers." Are generators and large commercial customers also charged for specifically-assigned assets, or only Industrial customers?

- In instances where assets are applicable to solely one party, Hydro recovers the cost of those assets from that customer or non-utility generator.



Questions?



OTHER ISSUES

Firm Capacity of Muskrat Falls

CA Question #6

How much firm capacity does Muskrat Falls provide taking into consideration the very high reserve margin Hydro proposes on the Island system?

- It is Hydro's opinion that this question is not relevant to the understanding of the Cost of Service Methodology application.



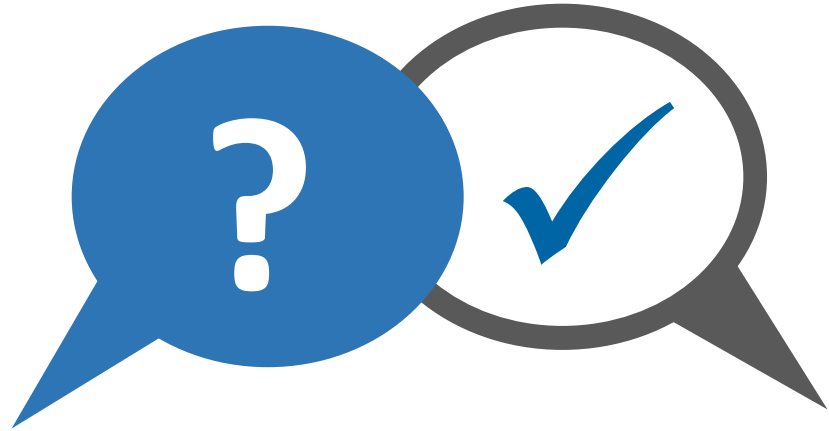
Supply Cost Variance Deferral Account

CA Question #4

An overview of Hydro's current long-term SCVDA would be helpful.

- Hydro has proposed a Long-Term SCVDA to replace the existing SCVDA after the next General Rate Application.
 - This new account will:
 - Capture supply cost variances (e.g., Muskrat Falls Project Costs, rate mitigation funding, export revenues, fuel costs, etc.) relative to Hydro's approved test year.
 - Use an allocation methodology based on Hydro's Cost of Service principles.
 - Include finance charges calculated using Hydro's Weighted Average Cost of Capital.
 - The proceeding for this application has been paused and will be resumed subsequent to the Cost of Service Methodology proceeding.
- 

Questions?



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**Newfoundland and Labrador Hydro
Cost of Service Methodology Review
Technical Conference - October 14, 2025**

Newfoundland Power Question #2

In a table, please provide the date and time of each request from Hydro to Newfoundland Power to run its hydro generation over the period 2020 to 2024. Also include the amount of generation requested.

ECC Diary Data Report

Date	Station	Equipment	Description
2020-01-01 12:00:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2020-01-01 18:09:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2020-01-02 16:41:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2020-01-03 16:30:00	Newfoundland Power	All Hydro Generation	Request to Maximize.
2020-01-03 19:27:00	Newfoundland Power	All Hydro Generation	Request to Maximize Ended.
2020-01-05 16:13:00	Newfoundland Power	All Hydro Generation	Request to Maximize.
2020-01-06 16:06:00	Newfoundland Power	All Hydro Generation	requested to maximize
2020-01-06 22:03:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2020-01-07 06:47:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2020-01-07 13:09:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2020-01-07 15:58:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2020-01-07 21:47:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2020-01-08 06:44:00	Newfoundland Power	All Hydro Generation	Request to maximize
2020-01-08 11:09:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2020-01-08 15:50:00	Newfoundland Power	All Hydro Generation	Request to maximize
2020-01-08 21:13:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2020-01-09 07:19:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2020-01-09 23:10:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2020-01-10 04:40:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2020-01-11 16:24:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2020-01-11 19:57:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2020-01-12 11:30:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2020-01-12 22:08:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2020-01-13 06:40:00	Newfoundland Power	All Hydro Generation	Request to maximize
2020-01-14 00:06:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2020-01-14 05:22:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2020-01-14 23:56:00	Newfoundland Power	All Hydro Generation	Request to Maximize Ended
2020-01-15 06:07:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2020-01-15 23:25:00	Newfoundland Power	All Hydro Generation	Request to Maximize ended.
2020-01-16 05:45:00	Newfoundland Power	All Hydro Generation	Request to Maximize.
2020-01-18 08:00:00	Newfoundland Power	All Hydro Generation	Request to maximize
2020-01-19 09:01:00	Newfoundland Power	Hydro Generation	requested island wide
2020-01-19 19:38:00	Newfoundland Power	Hydro Generation	Cancelled request
2020-01-22 06:28:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2020-01-22 12:20:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2020-01-22 16:25:00	Newfoundland Power	All Hydro Generation	Request to maximize
2020-01-22 19:17:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2020-02-14 08:47:00	Newfoundland Power	Hydro Generation	request cancelled
2020-02-15 00:06:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2020-02-15 04:42:00	Newfoundland Power	All Hydro Generation	Maximize
2020-02-15 09:51:00	Newfoundland Power	Hydro Generation	Request ended
2020-02-15 21:47:00	Newfoundland Power	All Hydro Generation	Request to max Cancelled
2020-02-20 07:38:00	Newfoundland Power	All Hydro Generation	Request to Maximize.
2020-02-20 08:45:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2020-02-20 16:39:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2020-02-20 22:21:00	Newfoundland Power	All Hydro Generation	Request to Maximize Ended
2020-02-21 05:37:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2020-02-21 12:53:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2020-02-21 16:42:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2020-02-21 21:32:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2020-02-22 06:07:00	Newfoundland Power	All Hydro Generation	request to maximize.
2020-02-22 11:21:00	Newfoundland Power	All Hydro Generation	Request cancelled.
2020-03-16 07:14:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2020-03-16 13:53:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2020-03-16 20:17:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2020-03-16 22:20:00	Newfoundland Power	All Hydro Generation	Request to Maximize ended.
2020-03-17 06:03:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2020-03-17 09:00:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2020-04-19 16:12:00	Newfoundland Power	All Hydro Generation	Request to Maximize.
2020-04-19 17:59:00	Newfoundland Power	All Hydro Generation	Request to Maximize ended.
2020-07-26 11:25:00	Newfoundland Power	All Hydro Generation	Request to maximize generation.
2020-09-22 07:34:00	Newfoundland Power	All Hydro Generation	Requested to maximize.
2020-09-22 09:11:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled.
2020-09-22 18:35:00	Newfoundland Power	All Hydro Generation	Request to maximize
2020-09-22 20:01:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2020-10-13 07:14:00	Newfoundland Power	All Hydro Generation	Request to maximize
2020-10-14 07:43:00	Newfoundland Power	All Hydro Generation	Request to maximize
2020-10-14 09:59:00	Newfoundland Power	All Hydro Generation	Request by ECC to reduce generation.

ECC Diary Data Report

Date	Station	Equipment	Description
2020-10-28 09:08:00	Newfoundland Power	All Hydro Generation	Request to maximize
2020-10-28 16:40:00	Newfoundland Power	All Hydro Generation	Request to maximize
2020-10-28 22:00:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2020-10-29 06:28:00	Newfoundland Power	All Hydro Generation	Request to maximize
2020-10-29 11:01:00	Newfoundland Power	Hydro Generation	Request to maximize ended
2020-11-14 16:29:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2020-11-14 18:17:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2020-11-16 15:47:00	Newfoundland Power	All Hydro Generation	Request to Maximize.
2020-11-16 17:34:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2020-11-23 16:29:00	Newfoundland Power	All Hydro Generation	Requested to max by ECC
2020-11-25 06:58:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2020-11-25 09:39:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2020-11-25 16:08:00	Newfoundland Power	All Hydro Generation	Request Maximize
2020-11-25 18:44:00	Newfoundland Power	All Hydro Generation	Request Ended
2020-11-26 19:34:00	Newfoundland Power	All Hydro Generation	Requested by ECC to shutdown.
2020-12-10 10:00:00	Newfoundland Power	All Hydro Generation	Started full load test
2020-12-10 11:48:00	Newfoundland Power	All Hydro Generation	Load Test Ended
2020-12-13 16:44:00	Newfoundland Power	All Hydro Generation	Request to maximize for Regulating Margin
2020-12-13 18:15:00	Newfoundland Power	All Hydro Generation	Request ended
2020-12-14 11:50:00	Newfoundland Power	All Hydro Generation	Request to maximize
2020-12-14 13:21:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2020-12-14 16:42:00	Newfoundland Power	All Hydro Generation	Request to maximize
2020-12-14 18:07:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2020-12-16 06:08:00	Newfoundland Power	All Hydro Generation	
2020-12-16 23:04:00	Newfoundland Power	Hydro Generation	finished
2020-12-17 06:30:00	Newfoundland Power	All Hydro Generation	request to maximize
2020-12-17 22:20:00	Newfoundland Power	All Hydro Generation	request ended
2020-12-30 16:33:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2020-12-30 21:44:00	Newfoundland Power	N/A	Request to Maximize ended
2021-01-12 16:30:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2021-01-12 21:55:00	Newfoundland Power	All Hydro Generation	Request ended
2021-01-13 07:06:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-01-13 13:37:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled.
2021-01-13 15:47:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-01-13 20:06:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2021-01-15 09:09:00	Newfoundland Power	All Hydro Generation	Request to Maximize Hydro Generation
2021-01-15 10:38:00	Newfoundland Power	All Hydro Generation	Maximize cancelled
2021-01-20 15:28:00	Newfoundland Power	All Hydro Generation	Request to Maximize.
2021-01-20 20:54:00	Newfoundland Power	Request to maximize Generation	Ended
2021-01-21 05:58:00	Newfoundland Power	All Hydro Generation	Request to maximize but already at Max
2021-01-22 16:59:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-01-22 20:05:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2021-01-23 08:30:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-01-23 12:00:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2021-01-27 17:19:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-01-27 19:05:00	Newfoundland Power	All Hydro Generation	Request ended
2021-01-28 06:13:00	Newfoundland Power	All Hydro Generation	request to maximize
2021-01-28 12:51:00	Newfoundland Power	All Hydro Generation	Request ended
2021-01-28 15:30:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-01-28 19:49:00	Newfoundland Power	All Hydro Generation	Maximize request canceled
2021-01-29 06:32:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-01-29 18:56:00	Newfoundland Power	All Hydro Generation	Request to Maximize cancelled
2021-01-30 08:16:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2021-01-30 12:46:00	Newfoundland Power	All Hydro Generation	Request to Maximize cancelled
2021-01-30 17:16:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2021-01-30 18:22:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2021-01-31 17:18:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2021-01-31 19:00:00	Newfoundland Power	All Hydro Generation	Request cancelled
2021-02-01 07:12:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-02-02 06:43:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-02-02 13:22:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2021-02-10 07:15:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2021-02-10 09:01:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2021-02-11 06:02:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2021-02-18 07:37:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-02-18 09:34:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2021-02-20 08:03:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-02-20 11:10:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.

ECC Diary Data Report

Date	Station	Equipment	Description
2021-02-20 16:04:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2021-02-21 07:57:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2021-02-21 23:28:00	Newfoundland Power	All Hydro Generation	Request to Maximize Ended
2021-02-22 06:10:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-02-22 14:28:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2021-02-23 07:03:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2021-02-23 11:17:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2021-02-23 16:54:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-02-23 18:57:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled.
2021-03-02 10:14:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-03-02 13:02:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2021-03-15 08:00:00	Newfoundland Power	All Hydro Generation	Maximize
2021-03-15 09:38:00	Newfoundland Power	All Hydro Generation	Requested cancelled
2021-03-16 07:16:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2021-03-16 16:50:00	Newfoundland Power	All Hydro Generation	Maximized
2021-03-16 20:45:00	Newfoundland Power	All Hydro Generation	NP cancelled request due to Xformer issue.
2021-03-17 06:08:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-03-17 10:11:00	Newfoundland Power	All Hydro Generation	Requested to shutdown by ECC.
2021-03-18 06:39:00	Newfoundland Power	All Hydro Generation	Maximize
2021-05-13 07:02:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2021-06-23 19:15:00	Newfoundland Power	All Hydro Generation	Cancelled
2021-08-07 10:17:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-08-07 13:05:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2021-08-08 11:41:00	Newfoundland Power	All Hydro Generation	Request to maximize for 10 min reserve.
2021-08-08 14:11:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2021-08-09 10:03:00	Newfoundland Power	All Hydro Generation	Request to maximize for 10 Min Reserve
2021-08-09 14:14:00	Newfoundland Power	All Hydro Generation	Request ended
2021-08-09 16:00:00	Newfoundland Power	All Hydro Generation	Request to maximize for 10 Min Reserve
2021-08-09 18:44:00	Newfoundland Power	All Hydro Generation	Request ended
2021-08-10 08:15:00	Newfoundland Power	All Hydro Generation	Request to maximize for 10 Min Reserve
2021-08-11 10:18:00	Newfoundland Power	All Hydro Generation	Requested to max by ECC.
2021-08-28 11:13:00	Newfoundland Power	All Hydro Generation	Request to maximize for 10 Min Reserve
2021-08-28 14:22:00	Newfoundland Power	All Hydro Generation	Request ended
2021-09-21 07:04:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2021-10-05 07:52:00	Newfoundland Power	All Hydro Generation	maximized
2021-10-05 13:23:00	Newfoundland Power	All Hydro Generation	request ended
2021-10-05 16:38:00	Newfoundland Power	All Hydro Generation	Maximized
2021-10-05 22:00:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2021-10-06 06:58:00	Newfoundland Power	All Hydro Generation	Requested to Maximize
2021-10-06 11:05:00	Newfoundland Power	All Hydro Generation	Request to Maximize ended
2021-10-09 08:55:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2021-10-09 21:00:00	Newfoundland Power	All Hydro Generation	request ended
2021-10-10 08:45:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2021-10-10 12:37:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2021-10-10 20:17:00	Newfoundland Power	All Hydro Generation	request cancelled
2021-10-11 08:01:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-10-11 21:33:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2021-10-12 06:42:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2021-10-12 21:37:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2021-10-13 06:58:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2021-10-13 22:57:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled.
2021-10-14 06:22:00	Newfoundland Power	All Hydro Generation	Request to Maximize.
2021-10-14 22:24:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled.
2021-10-15 06:45:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-10-16 08:36:00	Newfoundland Power	All Hydro Generation	requested
2021-10-17 08:20:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2021-10-18 06:22:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2021-10-27 06:49:00	Newfoundland Power	All Hydro Generation	Maximized
2021-10-27 10:48:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2021-10-27 17:55:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2021-10-27 23:00:00	Newfoundland Power	All Hydro Generation	Request ended
2021-11-05 13:17:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2021-11-05 16:14:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-11-05 21:49:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2021-11-06 07:00:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-11-06 22:02:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2021-11-08 07:04:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2021-11-08 10:32:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled

ECC Diary Data Report

Date	Station	Equipment	Description
2021-11-08 18:42:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-11-09 06:40:00	Newfoundland Power	All Hydro Generation	requested
2021-11-09 12:30:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2021-11-09 18:06:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-11-09 23:45:00	Newfoundland Power	All Hydro Generation	request ended
2021-11-10 07:40:00	Newfoundland Power	All Hydro Generation	maximized
2021-11-10 08:43:00	Newfoundland Power	All Hydro Generation	request ended
2021-11-11 16:38:00	Newfoundland Power	All Hydro Generation	Maximized
2021-11-11 17:52:00	Newfoundland Power	All Hydro Generation	Request Ended
2021-11-12 08:30:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-11-15 16:41:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-11-15 18:11:00	Newfoundland Power	All Hydro Generation	Request cancelled
2021-11-17 22:31:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2021-11-18 07:39:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-11-18 09:19:00	Newfoundland Power	All Hydro Generation	Request cancelled.
2021-11-23 07:30:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-12-04 16:33:00	Newfoundland Power	All Hydro Generation	request to maximize
2021-12-04 22:00:00	Newfoundland Power	All Hydro Generation	Request ended
2021-12-05 08:56:00	Newfoundland Power	All Hydro Generation	Request to maximize (already at max)
2021-12-06 06:21:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-12-06 20:03:00	Newfoundland Power	All Hydro Generation	Cancelled
2021-12-06 22:00:00	Newfoundland Power	All Hydro Generation	Maximize Cancelled
2021-12-08 08:28:00	Newfoundland Power	All Hydro Generation	Maximize
2021-12-09 09:00:00	Newfoundland Power	All Hydro Generation	Maximize
2021-12-10 05:58:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2021-12-11 06:17:00	Newfoundland Power	All Hydro Generation	Maximize
2021-12-11 21:33:00	Newfoundland Power	All Hydro Generation	maximize cancelled
2021-12-15 05:58:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-12-16 23:05:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2021-12-19 23:58:00	Newfoundland Power	Hydro Generation	request ended
2021-12-20 22:26:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2021-12-24 07:55:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2021-12-25 08:46:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-12-25 14:00:00	Newfoundland Power	All Hydro Generation	Request cancelled
2021-12-25 16:04:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-12-25 20:14:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2021-12-31 09:23:00	Newfoundland Power	All Hydro Generation	Request to maximize
2021-12-31 22:00:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2022-01-03 16:37:00	Newfoundland Power	Hydro Generation	
2022-01-05 13:24:00	Newfoundland Power	All Hydro Generation	Request to Max Cancelled
2022-01-09 09:11:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-01-09 11:58:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2022-01-11 07:19:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2022-01-11 23:01:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2022-01-12 06:30:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-01-12 18:13:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2022-01-16 16:33:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2022-01-16 19:26:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2022-01-17 06:02:00	Newfoundland Power	All Hydro Generation	Request to maximize generation.
2022-01-17 12:49:00	Newfoundland Power	All Hydro Generation	Request to Maximize cancelled
2022-01-17 20:47:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2022-01-20 07:05:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-01-27 07:20:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-02-07 06:41:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-02-07 22:23:00	Newfoundland Power	Request to maximize Generation	Canceled
2022-02-15 06:33:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-02-16 06:00:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-02-21 07:58:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2022-02-22 06:36:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-02-25 04:54:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-02-25 13:36:00	Newfoundland Power	All Hydro Generation	Request to Maximize ended
2022-02-25 16:12:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-02-28 07:00:00	Newfoundland Power	All Hydro Generation	Maximize
2022-03-01 05:50:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-03-02 12:22:00	Newfoundland Power	All Hydro Generation	Request to max canceled
2022-03-02 16:33:00	Newfoundland Power	All Hydro Generation	Request to max
2022-03-02 21:51:00	Newfoundland Power	All Hydro Generation	Advised to shutdown by ECC.
2022-03-07 07:45:00	Newfoundland Power	All Hydro Generation	Request to maximize

ECC Diary Data Report

Date	Station	Equipment	Description
2022-03-13 17:08:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2022-03-14 06:26:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-03-14 13:42:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled.
2022-03-15 06:49:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2022-03-15 08:53:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2022-03-16 06:15:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2022-03-16 09:25:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2022-03-17 06:28:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-03-17 11:02:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2022-03-30 07:32:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-03-30 09:54:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2022-03-31 07:04:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-03-31 11:07:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2022-04-01 08:59:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-04-01 11:07:00	Newfoundland Power	All Hydro Generation	Request cancelled
2022-04-12 06:45:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-04-12 11:58:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2022-04-14 06:25:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2022-04-19 06:18:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-04-19 08:51:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2022-04-22 07:01:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-04-22 08:54:00	Newfoundland Power	All Hydro Generation	Maximize Cancelled
2022-04-22 17:10:00	Newfoundland Power	Request to maximize Generation	
2022-04-22 19:52:00	Newfoundland Power	All Hydro Generation	Request cancelled.
2022-04-24 07:02:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-04-24 23:05:00	Newfoundland Power	All Hydro Generation	Request cancelled
2022-04-25 06:44:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-04-25 22:10:00	Newfoundland Power	All Hydro Generation	request to maximize cancelled
2022-04-27 07:10:00	Newfoundland Power	All Hydro Generation	maximize
2022-04-27 12:14:00	Newfoundland Power	All Hydro Generation	request cancelled
2022-04-28 07:07:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2022-04-28 09:51:00	Newfoundland Power	All Hydro Generation	Cancelled Maximization
2022-04-29 07:13:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2022-04-29 14:22:00	Newfoundland Power	All Hydro Generation	Maximized cancelled
2022-05-04 06:53:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-05-04 13:50:00	Newfoundland Power	All Hydro Generation	Request ended
2022-05-05 07:01:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2022-05-16 07:10:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2022-05-18 07:07:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-05-18 18:23:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2022-06-02 07:15:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-06-07 15:30:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-06-09 07:33:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-06-09 10:53:00	Newfoundland Power	All Hydro Generation	Request cancelled
2022-07-12 10:48:00	Newfoundland Power	All Hydro Generation	Requested to start by ECC
2022-09-13 13:08:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-09-13 16:23:00	Newfoundland Power	All Hydro Generation	Request to Maximize Cancelled
2022-11-10 16:41:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-11-10 18:18:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2022-11-12 09:07:00	Newfoundland Power	All Hydro Generation	Maximized
2022-11-18 16:24:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2022-11-18 19:40:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled.
2022-11-22 06:56:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-11-22 10:30:00	Newfoundland Power	All Hydro Generation	maximization cancelled
2022-11-22 17:07:00	Newfoundland Power	All Hydro Generation	Maximize
2022-11-22 20:06:00	Newfoundland Power	All Hydro Generation	Request cancelled
2022-11-23 06:56:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-11-25 08:10:00	Newfoundland Power	Hydro Generation	Island Wide request
2022-11-25 09:52:00	Newfoundland Power	Hydro Generation	Request ended
2022-11-29 16:56:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-11-29 19:29:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2022-12-01 06:26:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-12-01 21:09:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2022-12-08 20:58:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2022-12-10 15:29:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-12-10 18:25:00	Newfoundland Power	All Hydro Generation	Request to maximized ended.
2022-12-11 08:37:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2022-12-11 18:30:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.

ECC Diary Data Report

Date	Station	Equipment	Description
2022-12-12 07:08:00	Newfoundland Power	All Hydro Generation	Request to maximize
2022-12-12 18:28:00	Newfoundland Power	All Hydro Generation	Request to Maximize Ended
2022-12-17 20:23:00	Newfoundland Power	All Hydro Generation	request cancelled
2022-12-27 16:37:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2022-12-27 17:58:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2022-12-28 16:04:00	Newfoundland Power	All Hydro Generation	maximize
2022-12-28 20:42:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2022-12-29 06:16:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2022-12-29 22:36:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2022-12-30 05:29:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2023-01-08 09:20:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2023-01-08 12:45:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2023-01-08 16:45:00	Newfoundland Power	All Hydro Generation	Request to Maximize.
2023-01-08 17:38:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2023-01-09 07:01:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-01-09 17:52:00	Newfoundland Power	All Hydro Generation	request cancelled
2023-01-10 16:16:00	Newfoundland Power	All Hydro Generation	maximized
2023-01-10 22:25:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2023-01-12 15:20:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-01-13 06:12:00	Newfoundland Power	All Hydro Generation	Maximized
2023-01-13 18:25:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2023-01-19 16:24:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2023-01-19 18:02:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2023-01-20 07:10:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-01-23 07:26:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2023-01-23 13:49:00	Newfoundland Power	All Hydro Generation	Request cancelled
2023-02-01 06:41:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-02-02 12:23:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2023-02-04 06:29:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2023-02-05 17:06:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-02-05 19:06:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled.
2023-02-07 07:39:00	Newfoundland Power	All Hydro Generation	request to maximize
2023-02-07 11:05:00	Newfoundland Power	All Hydro Generation	Maximize cancelled
2023-02-13 07:10:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-02-14 20:00:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2023-02-16 06:29:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-02-16 20:30:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2023-02-17 18:24:00	Newfoundland Power	All Hydro Generation	Shutdown as needed.
2023-02-20 08:26:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-02-20 13:00:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2023-02-20 16:00:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-02-20 18:54:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2023-02-23 06:45:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2023-02-23 09:56:00	Newfoundland Power	All Hydro Generation	Request to max cancelled
2023-02-23 17:30:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-02-27 05:45:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-02-27 14:05:00	Newfoundland Power	All Hydro Generation	Request to Maximize ended
2023-02-28 05:10:00	Newfoundland Power	All Hydro Generation	max
2023-02-28 10:23:00	Newfoundland Power	All Hydro Generation	Request to Maximize Ended
2023-02-28 17:57:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2023-03-01 06:00:00	Newfoundland Power	All Hydro Generation	Maximize
2023-03-02 06:27:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2023-03-03 06:21:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2023-03-03 08:28:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2023-03-06 07:04:00	Newfoundland Power	All Hydro Generation	Requested
2023-03-06 09:08:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2023-03-08 06:15:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-03-08 14:30:00	Newfoundland Power	All Hydro Generation	NP ending request due to water levels
2023-03-09 06:01:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-03-09 22:40:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2023-03-10 06:13:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2023-03-10 12:49:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2023-03-10 16:09:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-03-10 21:14:00	Newfoundland Power	All Hydro Generation	Request ended
2023-03-11 08:17:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-03-11 15:23:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2023-03-13 07:03:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-03-13 10:37:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.

ECC Diary Data Report

Date	Station	Equipment	Description
2023-03-14 06:21:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-03-14 10:28:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2023-03-15 06:49:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-03-15 14:14:00	Newfoundland Power	Request to maximize Generation	Cancelled
2023-03-15 21:30:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2023-03-16 06:20:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2023-03-16 13:59:00	Newfoundland Power	Request to maximize Generation	cancelled
2023-03-17 06:49:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2023-03-17 10:43:00	Newfoundland Power	All Hydro Generation	Request to Maximize ended
2023-03-23 06:29:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-03-23 12:00:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2023-03-24 06:04:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-03-25 00:02:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2023-03-25 07:33:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-03-25 21:35:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2023-03-26 08:50:00	Newfoundland Power	All Hydro Generation	Requested to Maximize
2023-03-26 10:58:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2023-03-27 06:18:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-03-27 10:25:00	Newfoundland Power	All Hydro Generation	Request ended
2023-03-27 15:47:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-03-27 21:20:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2023-03-28 07:04:00	Newfoundland Power	All Hydro Generation	Requested to Maximize
2023-03-28 13:41:00	Newfoundland Power	All Hydro Generation	Request ended
2023-03-29 06:26:00	Newfoundland Power	All Hydro Generation	Requested to Maximize
2023-03-29 10:07:00	Newfoundland Power	All Hydro Generation	Request ended
2023-04-06 07:01:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2023-04-10 08:11:00	Newfoundland Power	All Hydro Generation	requested
2023-04-10 10:02:00	Newfoundland Power	All Hydro Generation	request cancelled
2023-04-18 06:51:00	Newfoundland Power	All Hydro Generation	maximized
2023-04-18 09:39:00	Newfoundland Power	All Hydro Generation	Request ended
2023-04-19 07:58:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-04-19 08:55:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2023-05-05 08:00:00	Newfoundland Power	All Hydro Generation	Request to maximize for 10 Min Reserve
2023-05-05 12:33:00	Newfoundland Power	All Hydro Generation	Request ended
2023-05-08 16:50:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2023-05-08 18:58:00	Newfoundland Power	All Hydro Generation	Request ended
2023-05-09 12:54:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-05-26 08:26:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-05-26 12:47:00	Newfoundland Power	All Hydro Generation	Request ended
2023-06-01 06:39:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-06-01 09:23:00	Newfoundland Power	All Hydro Generation	Request cancelled
2023-06-02 07:16:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-06-02 22:30:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2023-06-03 09:00:00	Newfoundland Power	All Hydro Generation	Request to maximize to support 10 min reserve
2023-06-04 08:08:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-06-05 23:00:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2023-06-06 15:40:00	Newfoundland Power	All Hydro Generation	Requested from ECC
2023-06-06 22:08:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2023-06-07 07:40:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-06-07 11:34:00	Newfoundland Power	All Hydro Generation	Request to maximize canceled
2023-08-22 16:21:00	Newfoundland Power	All Hydro Generation	Requested to increase generation to maintain 10-minute reserve.
2023-08-24 11:46:00	Newfoundland Power	Hydro Generation	Island wide requested
2023-09-26 07:12:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2023-09-26 10:41:00	Newfoundland Power	All Hydro Generation	Request to maximize ended with the exception of the Avalon Generation due to the TL201/TL217 corridor
2023-10-24 07:42:00	Newfoundland Power	All Hydro Generation	Requested to Maximize
2023-10-24 09:22:00	Newfoundland Power	All Hydro Generation	Request cancelled
2023-10-30 16:46:00	Newfoundland Power	All Hydro Generation	Request to Maximize.
2023-10-30 19:06:00	Newfoundland Power	All Hydro Generation	Request to Maximize ended.
2023-11-03 07:07:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2023-11-03 09:24:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2023-11-08 16:10:00	Newfoundland Power	All Hydro Generation	Request to max
2023-11-09 07:33:00	Newfoundland Power	All Hydro Generation	Request to max
2023-11-09 10:01:00	Newfoundland Power	All Hydro Generation	Request to max canceled
2023-11-09 16:00:00	Newfoundland Power	All Hydro Generation	Request to max
2023-11-09 22:32:00	Newfoundland Power	Hydro Generation	Request cancelled
2023-11-17 07:19:00	Newfoundland Power	All Hydro Generation	Maximize

ECC Diary Data Report

Date	Station	Equipment	Description
2023-11-17 09:34:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2023-11-21 07:52:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2023-11-21 09:39:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2023-11-21 16:30:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-11-22 07:11:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2023-11-22 10:44:00	Newfoundland Power	All Hydro Generation	Request to Maximize Ended
2023-11-22 16:12:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2023-11-22 18:34:00	Newfoundland Power	All Hydro Generation	Request to Maximize Ended
2023-11-23 07:08:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2023-11-23 17:48:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2023-12-03 09:07:00	Newfoundland Power	All Hydro Generation	request maximize
2023-12-03 14:35:00	Newfoundland Power	All Hydro Generation	request cancelled
2023-12-15 07:30:00	Newfoundland Power	Request to maximize Generation	
2023-12-15 09:16:00	Newfoundland Power	All Hydro Generation	Request ended
2023-12-16 02:21:00	Newfoundland Power	Hydro Generation	Request ended
2023-12-17 05:49:00	Newfoundland Power	All Hydro Generation	Requested to max
2023-12-17 12:56:00	Newfoundland Power	All Hydro Generation	request ended
2023-12-17 16:10:00	Newfoundland Power	All Hydro Generation	Request to max
2023-12-27 07:10:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-12-27 14:20:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2023-12-27 17:20:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2023-12-27 21:14:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2023-12-28 06:33:00	Newfoundland Power	All Hydro Generation	Request to maximize
2023-12-28 23:05:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2023-12-29 06:01:00	Newfoundland Power	All Hydro Generation	Request to Maximize.
2023-12-29 22:30:00	Newfoundland Power	All Hydro Generation	maximize cancelled
2024-01-02 08:42:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2024-01-02 10:39:00	Newfoundland Power	All Hydro Generation	Request to Maximize Ended
2024-01-02 16:44:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2024-01-02 18:54:00	Newfoundland Power	All Hydro Generation	Request to Maximize Ended
2024-01-06 15:37:00	Newfoundland Power	All Hydro Generation	Request to maximize
2024-01-08 06:32:00	Newfoundland Power	All Hydro Generation	Requested
2024-01-08 12:02:00	Newfoundland Power	All Hydro Generation	request cancelled
2024-01-08 16:49:00	Newfoundland Power	All Hydro Generation	request maximize
2024-01-08 18:21:00	Newfoundland Power	All Hydro Generation	request cancelled
2024-01-09 06:49:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2024-01-09 09:59:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2024-01-10 06:15:00	Newfoundland Power	All Hydro Generation	Request to maximize
2024-01-10 12:15:00	Newfoundland Power	All Hydro Generation	Request ended
2024-01-10 16:20:00	Newfoundland Power	All Hydro Generation	Request to maximize
2024-01-10 19:13:00	Newfoundland Power	All Hydro Generation	Request ended
2024-01-19 06:09:00	Newfoundland Power	All Hydro Generation	Request to Maximize.
2024-01-19 21:58:00	Newfoundland Power	All Hydro Generation	Request cancelled
2024-01-24 06:43:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2024-01-24 13:00:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2024-01-24 15:56:00	Newfoundland Power	All Hydro Generation	Request to maximize
2024-01-24 22:36:00	Newfoundland Power	All Hydro Generation	requested cancelled by ECC
2024-01-25 15:15:00	Newfoundland Power	All Hydro Generation	Request to maximize
2024-01-25 18:30:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2024-01-26 06:41:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2024-01-26 10:16:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2024-01-31 06:39:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2024-01-31 10:16:00	Newfoundland Power	All Hydro Generation	Request ended
2024-02-01 07:11:00	Newfoundland Power	All Hydro Generation	Request maximize
2024-02-01 08:57:00	Newfoundland Power	All Hydro Generation	Request ended
2024-02-09 16:10:00	Newfoundland Power	All Hydro Generation	Requested to max by ECC
2024-02-09 23:35:00	Newfoundland Power	All Hydro Generation	Request to Maximize ended
2024-02-10 07:17:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2024-02-21 05:07:00	Newfoundland Power	All Hydro Generation	Maximized
2024-02-21 10:47:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2024-02-22 05:30:00	Newfoundland Power	All Hydro Generation	Request to maximize
2024-02-22 12:37:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2024-02-22 16:55:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2024-02-22 22:11:00	Newfoundland Power	All Hydro Generation	Request to maximize ended
2024-02-26 05:48:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2024-02-26 17:36:00	Newfoundland Power	All Hydro Generation	Request to maximize cancelled
2024-03-11 07:15:00	Newfoundland Power	All Hydro Generation	Maximized
2024-03-11 21:55:00	Newfoundland Power	All Hydro Generation	Request to maximize ended

ECC Diary Data Report

Date	Station	Equipment	Description
2024-03-15 07:52:00	Newfoundland Power	All Hydro Generation	Request to maximize
2024-03-15 10:36:00	Newfoundland Power	All Hydro Generation	Request cancelled
2024-03-26 05:57:00	Newfoundland Power	All Hydro Generation	Request to maximize
2024-03-26 10:41:00	Newfoundland Power	All Hydro Generation	Request Cancelled
2024-03-27 06:22:00	Newfoundland Power	All Hydro Generation	Request to maximize
2024-03-27 10:24:00	Newfoundland Power	All Hydro Generation	Request ended
2024-04-08 07:22:00	Newfoundland Power	All Hydro Generation	Maximize
2024-04-08 19:06:00	Newfoundland Power	All Hydro Generation	finished
2024-04-30 23:13:00	Newfoundland Power	All Hydro Generation	Request ended.
2024-05-11 09:05:00	Newfoundland Power	All Hydro Generation	Request to maximize.
2024-05-11 11:23:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2024-05-12 09:07:00	Newfoundland Power	All Hydro Generation	maximized
2024-05-12 15:05:00	Newfoundland Power	All Hydro Generation	request cancelled
2024-05-22 09:49:00	Newfoundland Power	All Hydro Generation	Maximized
2024-05-22 18:26:00	Newfoundland Power	All Hydro Generation	return to normal
2024-05-23 07:03:00	Newfoundland Power	All Hydro Generation	Request to maximize
2024-05-24 06:21:00	Newfoundland Power	All Hydro Generation	Requested to maximize
2024-05-27 06:51:00	Newfoundland Power	All Hydro Generation	Maximized
2024-05-27 11:14:00	Newfoundland Power	All Hydro Generation	Cancelled
2024-08-12 11:26:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2024-08-14 10:58:00	Newfoundland Power	All Hydro Generation	Request to maximize
2024-08-14 18:14:00	Newfoundland Power	All Hydro Generation	Request cancelled.
2024-08-21 10:21:00	Newfoundland Power	All Hydro Generation	requested on
2024-08-21 11:40:00	Newfoundland Power	All Hydro Generation	cancelled
2024-09-26 07:40:00	Newfoundland Power	All Hydro Generation	Request to Maximize due to Planned G3 Outage in BDE
2024-09-26 14:17:00	Newfoundland Power	All Hydro Generation	Request to Maximize Ended
2024-09-26 19:42:00	Newfoundland Power	All Hydro Generation	Request to Maximize
2024-09-26 21:38:00	Newfoundland Power	All Hydro Generation	Request cancelled
2024-10-10 16:41:00	Newfoundland Power	All Hydro Generation	Request to maximize
2024-10-10 18:05:00	Newfoundland Power	All Hydro Generation	Request to maximize ended.
2024-10-22 19:15:00	Newfoundland Power	All Hydro Generation	Request to max
2024-11-27 16:00:00	Newfoundland Power	All Hydro Generation	Request to maximize
2024-11-27 19:00:00	Newfoundland Power	All Hydro Generation	Request to max canceled
2024-12-05 06:33:00	Newfoundland Power	All Hydro Generation	maximized