

Nova Scotia Power Inc.
Monthly FAM Reporting
For the Period Ended March 31, 2023

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Nova Scotia Power Inc.
Monthly FAM Reporting
Summary of Fuel Costs
For the Period Ended March 31, 2023
(millions of dollars)

NSPI (FAM) M-1
NON-CONFIDENTIAL

	Current Month			Year-to-Date			2023 Budget	
	Actual	Forecast ⁽¹⁾	Budget ⁽²⁾	Actual	Forecast ⁽¹⁾	Budget ⁽²⁾	Full Year Budget	% of Budget Spent
Fuel for Generation - Domestic Load								
Solid Fuel	37.4	37.3	38.5	121.4	121.2	135.3	294.3	41.3%
Natural Gas	13.2	8.7	8.0	39.0	34.5	22.7	144.1	27.1%
Biomass	2.0	1.6	1.9	4.0	3.6	5.6	20.8	19.2%
Bunker C	0.3	0.2	0.4	12.8	12.6	10.1	12.3	104.1%
Furnace	0.4	0.5	0.4	1.7	1.8	1.4	2.7	63.0%
Diesel	(0.1)	0.1	1.2	3.7	3.9	2.1	11.7	31.6%
Additives	1.4	0.4	0.9	4.3	3.3	3.3	6.6	65.2%
GHG Compliance ⁽³⁾	(152.7)	(153.5)	-	(152.7)	(153.5)	-	-	0.0%
Subtotal	(98.1)	(104.7)	51.4	34.1	27.46	180.4	492.5	6.9%
Import Purchases	(2.1)	(5.5)	(3.4)	(9.1)	(12.6)	(35.1)	42.8	-21.3%
Maritime Link	11.6	11.6	13.9	36.9	36.9	41.7	166.8	22.1%
Non-Wind IPP Purchases	2.7	1.0	1.7	5.5	3.8	4.8	26.1	21.1%
Wind Purchases	5.9	7.8	7.8	16.2	18.1	21.0	74.2	21.8%
COMFIT Purchases	7.2	7.6	7.5	18.8	19.1	20.3	72.5	25.9%
Fuel for Resale Net Margin	(0.0)	-	-	(0.1)	(0.1)	-	-	0.0%
Exports	0.3	-	-	0.3	(0.0)	-	-	0.0%
Fuel and Purchased Power	(72.4)	(82.2)	78.9	102.5	92.7	233.2	874.9	11.7%
Water Royalties	0.1	0.1	0.1	0.3	0.3	0.3	1.0	30.0%
Total Fuel and Purchased Power	(72.3)	(82.1)	79.0	102.8	92.99	233.4	875.9	11.7%
Less: ELIADC Revenue	(9.2)	(6.0)	(9.6)	(15.8)	(12.6)	(26.3)	(112.8)	14.0%
Total Fuel and Purchased Power Less ELIADC Revenue	(81.5)	(88.1)	69.3	87.0	80.4	207.2	763.1	11.4%
Less: Export Revenues	(0.3)	(0.0)	(0.1)	(0.3)	(0.0)	(0.1)	(0.2)	150.0%
Less: 1PT RTP	(0.0)	(0.0)	(0.0)	(0.1)	(0.1)	(0.1)	(0.4)	25.0%
Less: Shore Power	-	-	-	-	-	-	(0.1)	0.0%
Less: Back Up / Top Up	(0.1)	(0.1)	(0.2)	(0.5)	(0.6)	(0.4)	(1.6)	31.3%
Less: GRLF Fuel Costs	(0.1)	(0.0)	(0.0)	(0.2)	(0.2)	(0.1)	(0.7)	28.6%
Loss / (Gain): Foreign exchange - Fuel Other	-	-	-	-	-	-	-	0.0%
Net Fuel and Purchased Power	(82.0)	(88.3)	69.0	85.9	79.6	206.5	760.1	11.3%
Total System Requirements (GWh)	1,108.8	1,119.6	1,085.9	3,353.8	3,364.6	3,342.2	11,180.6	30.0%
Less: Export Sales and Attributed Losses	(0.6)	(0.0)	(0.8)	(0.6)	(0.0)	(0.9)	(3.9)	15.4%
Less: GRLF Requirements	(0.8)	(0.5)	(0.5)	(2.4)	(2.0)	(1.8)	(12.1)	19.8%
Less: ELIADC	(58.4)	(62.2)	(87.4)	(142.0)	(145.8)	(238.3)	(1,024.0)	13.9%
Less: Shore Power	-	-	-	(0.0)	(0.0)	-	(1.3)	0.0%
Less: 1PT RTP	(0.3)	(0.1)	(0.2)	(1.2)	(1.0)	(1.2)	(10.1)	11.9%
Less: Back Up / Top Up	(1.7)	(2.7)	(2.7)	(6.4)	(7.4)	(8.3)	(26.5)	24.2%
Less: Losses**	(59.2)	(81.4)	(78.9)	(222.3)	(244.5)	(244.7)	(727.4)	30.6%
Total FAM Sales	987.8	972.7	915.4	2,978.9	2,963.9	2,846.9	9,375.4	31.8%

Figures presented are rounded to one decimal place which may cause \$0.1M in rounding differences on some line items.

(1) The Forecast references NS Power Forecast from February 2023.

(2) The FAM Budget reflects the 2023 GRA Compliance Filing of \$875.9M.

(3) GHG Compliance includes reversal of GHG provision related to 2019-2022 Compliance period of \$166.2M partially offset by Q1 carbon tax provision of \$13.5M.

**Includes losses for all customer classes, with the exception of Export Sales.

Nova Scotia Power Inc.
Monthly FAM Reporting
Summary of Cost Recovery
For the Period Ended March 31, 2023
(millions of dollars)

NSPI (FAM) M-2
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Base Fuel Component (BCF)

	<u>Actual</u>	<u>Budget</u>
2023 Beginning BCF Balance	-	-
(Over)/Under-recovered Prior to Current Month	31.6	7.1
(Over)/Under-recovered in Current Month	(150.6)	7.4
Balance Yet to be Recovered	(119.0)	14.5
(Over)/Under-recovery- Remainder of the Year	N/A	116.2
Interest on BCF Balance	0.4	0.1

Actual Adjustment Component (AA)

	<u>Actual</u>	<u>Budget</u>
2023 Beginning AA Balance	153.9	(39.9)
Recovered/(Refunded) Prior to Current Month	0.0	-
Opening Balance as of March 1, 2023	154.0	(39.9)
Recovered/(Refunded) in Current Month	(0.0)	-
Closing Balance as of March 31, 2023	154.0	(39.9)
Recovered/(Refunded) Remainder of the Year	N/A	-
Interest on AA Balance	(5.8)	(0.7)

Balancing Adjustment Component (BA)

	<u>Actual</u>	<u>Budget</u>
2023 Beginning BA Balance	153.5	153.6
Recovered/(Refunded) Prior to Current Month	0.6	-
Non-fuel amounts applied to FAM prior to current period	-	-
Opening Balance as of March 1, 2023	152.9	153.6
Recovered/(Refunded) in Current Month	(0.0)	-
Non-fuel amounts applied to FAM in current period	-	-
Closing Balance as of March 31, 2023	152.9	153.6
Recovered/(Refunded) Remainder of the Year	N/A	-
Interest on BA Balance	(0.6)	2.5
FAM Deferral (Over)/Under-Recovery	181.9	130.2

Figures presented are rounded to two decimal places which may cause \$0.01M in rounding differences on some line items.

The FAM Budget reflects the 2023 GRA Compliance Filing of \$875.9M and NS Cap-and-Trade compliance costs relief being recognized in the 2022 FAM balance.

Commentary for Month:

Nova Scotia Power Inc.
Monthly FAM Reporting
2022 Total Accumulated Unrecovered FAM Balance
For the Period Ended March 31, 2023
(millions of dollars)

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Month	BA Total Outstanding	AA Total Outstanding	BCF Variance		Accumulated Interest	Total Outstanding
			To Current Month	Current Month		
January	153.5	153.9	0.0	12.3	1.6	321.4
February	152.9	154.0	12.3	19.3	3.4	341.9
March	152.9	154.0	31.6	(150.6)	(6.0)	181.9
April	152.9	154.0	(119.0)	12.6	(5.0)	195.6
May	152.9	154.0	(106.3)	14.9	(3.8)	211.6
June	152.9	154.0	(91.4)	14.2	(2.6)	227.0
July	152.9	154.0	(77.2)	15.3	(1.4)	243.6
August	152.9	154.0	(61.9)	13.9	0.0	258.8
September	152.9	154.0	(48.0)	11.7	1.4	272.0
October	152.9	154.0	(36.3)	17.0	3.0	290.5
November	152.9	154.0	(19.3)	19.1	4.6	311.3
December	152.9	154.0	(0.2)	15.2	6.3	328.2

Figures presented are rounded to one decimal place which may cause \$0.1M in rounding differences on some line items

Future months references NS Power Forecast from February 2023.

**Nova Scotia Power Inc.
Monthly FAM Reporting
Fuel Policies and Organizational Changes
For the Period Ended March 31, 2023**

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Fuel Manual Updates

No Fuel Manual Updates.

POA Updates

No POA Updates.

Organizational Updates

In March the Fuels team was renamed Energy and Risk Management. The Senior Director, Fuels changed title to Senior Director, Energy and Risk Management.

The following roles from the Portfolio Optimization team transitioned to the Energy and Risk Management team:

Senior Manager Portfolio Optimization
Team Lead Commercial
Business Analyst
Forecast and Compliance Engineer
Manager Clean Energy
Team Lead, Business Development

In addition:

The Acting Manager, Reporting and Compliance became permanent and;
The Commercial Manager Fuels was promoted to Manager, Solid Fuel Procurement.

Nova Scotia Power Inc.
 Monthly FAM Reporting
 Mercury Abatement Program
 For the Period Ended March 31, 2023
 (millions of dollars)

NSPI (FAM) M-5
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Generating Unit	Additive Type	Current Month		Year-to-Date	
		Quantity	Cost \$/MWh ^a	Quantity	Cost \$/MWh ^a
Lingan - Unit 1	Powder Activated Carbon				
Lingan - Unit 2	Powder Activated Carbon				
Lingan - Unit 3	Powder Activated Carbon				
Lingan - Unit 4	Powder Activated Carbon				
Point Tupper	Powder Activated Carbon				
Trenton 5	Powder Activated Carbon				
Trenton 6	Powder Activated Carbon				
Lingan	Calcium Chloride				
Point Tupper	Calcium Chloride				
Trenton	Calcium Chloride				
Total Costs - Powder Activated Carbon		371,027 kgs	\$1.080	1,169,550 kgs	\$3.424
Total Costs - Calcium Chloride		2,333 L	\$0.001	12,393 L	\$0.005
Total Mercury Sorbent Costs			\$1.081		\$3.430

^a Calculated using actual MWh produced by unit.

Commentary for the month:

YTD emissions are estimated at 13.8 kg. The forecast indicated YTD emissions by March 2023 of 14.9 kg.

NSPI Environmental Report for Mercury Emissions (b)

Annual Limit = 45 kg (c)

Month	Reported this month (d)	Reported last month	Variance	Reason for variance	2022 Actuals (e)
Jan	4.7	5.1	-0.4	Estimated data updated with actual data	5.4
Feb	4.3	4.3	0.0		4.6
Mar	4.8				3.9
Apr					1.7
May					2.3
Jun					4.2
Jul					4.1
Aug					5.4
Sep					5.7
Oct					5.4
Nov					3.5
Dec					5.5
Year to Date (f)	13.8	9.4	-0.4		51.7

^b As reported by NSPI's Environmental Services.

^c Province of Nova Scotia Air Quality Regulations - Schedule C section 3(2). Annual limit of 35kg plus mercury diversion credits to a maximum of 10kg as per Schedule C section 7E(3a) for a total of 45kg.

^d This value is an estimate based on incomplete laboratory results and consumption figures. Environmental Services will finalize this result next quarter.

^e Shown for comparative purposes. Figures updated in March to reflect finalized amounts.

^f Figures presented are rounded to one decimal place which may cause \$0.1M in rounding differences on some line items.

	Current Month			Year-to-Date		2023 Budget
	Actual	Budget	% Change	Actual	Budget	Budget
Solid Fuel						
Solid Fuel Consumption Costs (\$)						
Solid Fuel Consumption (MMBtu)						
Solid Fuel Generation (MWh)						
Solid Fuel Price (\$/MMBtu) ⁽¹⁾						
Solid Fuel Price (\$/MWh)						
Natural Gas						
Natural Gas Consumption Costs (\$)						
Natural Gas Consumption (MMBtu)						
Natural Gas Generation (MWh)						
Natural Gas Price (\$/MMBtu) ⁽¹⁾						
Natural Gas Price (\$/MWh)						
Biomass						
Biomass Consumption Costs (\$)						
Biomass Consumption (MMBtu)						
Biomass Generation (MWh)						
Biomass Price (\$/MMBtu)						
Biomass Price (\$/MWh)						
Bunker						
Bunker Consumption Costs (\$)						
Bunker Consumption (MMBtu)						
Bunker Generation (MWh)						
Bunker Price (\$/MMBtu) ⁽¹⁾						
Bunker Price (\$/MWh)						
Light Fuel Oil						
Light Fuel Oil Consumption Costs (\$)						
Light Fuel Oil Consumption (MMBtu)						
Light Fuel Oil Generation (MWh)						
Light Fuel Oil Price (\$/MMBtu)						
Light Fuel Oil Price (\$/MWh)						
Imports						
Imported Power Volume (MWh)						
Imported Power Price (\$/MWh) ⁽¹⁾						
Non-Wind IPP Purchases						
IPP Purchase Volumes (MWh)						
IPP Purchase Price (\$/MWh)						
Wind IPP Purchases						
Wind Purchase Volumes (MWh)						
Wind Purchase Price (\$/MWh)						
COMFIT						
COMFIT Purchase Volumes (MWh)						
COMFIT Purchase Price (\$/MWh)						
Maritime Link						
NS Block & Supplemental Volumes (MWh) ⁽²⁾	98,985	175,564	-44%	315,935	432,873	1,470,616

The FAM Budget reflects the 2022 Compliance Filing of \$875.9M.

Consumption cost totals above are at the forecast effective USD rate for the year. These figures do not include the impact of monthly foreign exchange rate variations that are reflected in Summary of Fuel Costs (Report M-1).

⁽¹⁾ Includes impact of commodity hedge settlements.

⁽²⁾ Includes make-up energy

Nova Scotia Power Inc.
Monthly FAM Reporting
Volume and Pricing Summary
For the Period Ended March 31, 2023

NSPI (FAM) M-7
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<u>Category</u>	<u>Variance from Budget</u>	<u>Details</u>
Total Fuel and Purchased Power Expense	191.5% below Budget for the month	
Total System Requirements	2.1% above Budget for the month	
Total FAM Sales	7.9% above Budget for the month	March's 987.8 GWh was more than the FAM Budget of 915.4 GWh.
Net Fuel and Purchased Power Costs	218.8% below Budget for the month	March's (\$82.0M) was less than the FAM Budget of \$69.0M due to the reversal of accrued GHG Compliance costs (\$166.2M) reported in prior periods.
Purchased Power Costs	0.7% above Budget for the month	March's \$13.7M was more than the FAM Budget of \$13.6M.
Maritime Link	16.5% below Budget for the month	March's \$11.6M was less than the FAM Budget of \$13.9M due to lower Maritime Link assessment payments compared to Budget as a result of the under delivery of Maritime Link energy.
Solid Fuel Costs	2.9% below Budget for the month	March's \$37.4M was less than the FAM Budget of \$38.5M. Solid Fuel expenditure was lower due to decreased generation, which was a result of the increase in generation from Natural Gas and non-Muskrat Falls imported power.
Natural Gas	65% above Budget for the month	March's \$13.2M was more than the FAM Budget of \$8.0M. Natural gas expenditures increased as a result of an increase in Natural Gas generation to displace lower than Budgeted energy received from the Maritime Link NS base and supplemental block, IPP wind purchases, biomass, and NSPI wind. This was partially offset by a decrease in natural gas pricing.
Biomass Fuel Costs	5.3% above Budget for the month	March's \$2.0M was more than the FAM Budget of \$1.9M.
Heavy Fuel Oil	25% below Budget for the month	March's \$0.3M was less than the FAM Budget of \$0.4M.
Mercury Sorbent/Additives	55.6% above Budget for the month	March's \$1.4M was more than the FAM Budget of \$0.9M.
GHG Compliance	100% below Budget for the month	March's (\$152.7M) was less than the FAM Budget of Nil due to the reversal accrued GHG cost (\$166.2M) offset by Q1 carbon tax (\$13.5M).
Mercury Emissions	Below Budget for the month	March's 4.8 kg was less than the Budget of 5.5 kg.

<u>Category</u>	<u>Variance from Forecast</u>	<u>Formulas for Details</u>
Total Fuel and Purchased Power Expense	11.9% below Forecast for the month	
Total System Requirements	0.3% above Forecast for the month	
Total FAM Sales	4.6% above Forecast for the month	March's 987.8 GWh was more than the Forecast of 972.7 GWh.
Net Fuel and Purchased Power Costs	7.1% below Forecast for the month	March's (\$82.0M) was more than the Forecast of (\$88.3M).
Purchased Power Costs	25.7% above Forecast for the month	March's \$13.7M was more than the Forecast of \$10.9M. Purchased Power was higher due to an increase in amount of non-Muskrat Falls imported power and an increase IPP non-wind purchases compared to Forecast. This was partially offset by lower Wind purchases, favourable pricing on imported power and COMFIT purchases.
Maritime Link	0% below Forecast for the month	March's \$11.6M agreed to the Forecast of \$11.6M.
Solid Fuel Costs	0.3% above Forecast for the month	March's \$37.4M was more than the Forecast of \$37.3M.
Natural Gas	51.7% above Forecast for the month	March's \$13.2M was more than the Forecast of \$8.7M. Natural gas expenditures increased as a result of an increase in Natural Gas generation to displace lower than forecasted energy received from the Maritime Link NS base and supplemental block and lower renewable generation. This was partially offset by a decrease in natural gas pricing.
Biomass Fuel Costs	25% above Forecast for the month	March's \$2.0M was more than the Forecast of \$1.6M.
Heavy Fuel Oil	50% above Forecast for the month	March's \$0.3M was more than the Forecast of \$0.2M.
Mercury Sorbent/Additives	250% above Forecast for the month	March's \$1.4M was more than the Forecast of \$0.4M.
GHG Compliance	0.5% below Forecast for the month	March's (\$152.7M) was more than the Forecast of (\$153.5M).

Nova Scotia Power Inc.
Monthly FAM Reporting
ELIADC Tariff Revenue
For the Period Ended March 31, 2023

NSPI (FAM) M-8
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	\$	MWH
CBL Energy Charge - Fuel & Purchased Power ⁽¹⁾	3,624,265	63,864
Adjustment - 2022 ⁽²⁾	2,628,030	
Provision - 2023 ⁽³⁾	2,107,526	
Fuel cost recovery installment payment	1,277,274	
Accrual Booked	(377,615)	(4,920)
Accrual Reversed	(62,183)	(534)
ELIADC in Monthly FAM Report (reported on M-1)	\$ 9,197,297	58,410

ELIADC Report									
Month	CBL Energy Charge (\$)				Total Actual Energy (MWh) ⁽¹⁾	Target Energy (MWh)	CBL Adder (\$)		Total Billed Charge (\$)
	Fuel & Purchased Power Charge	Variable Operating & Maintenance	Fixed Cost Recovery (\$)				Fixed Cost Recovery	Var Capital Adder (\$)	
March 2023	\$ 3,624,265	\$ 67,696	\$ 11,495	63,864		\$ 243,959	\$ 115,593	\$ 4,063,009	

⁽²⁾ Adjustment - 2022 relates to the recording of the 2022 ADC differential based on forward replacement and VOM adjustment, further adjustment will be required based on decision of M11021.

⁽³⁾ Provision for Q1 2023 is preliminary. The difference between the preliminary amount and the confirmed amount is being determined and will be provided with adjustments recorded in subsequent reports as a result of decision on M11021.

Product	Buy/Sell	Date/Time	Volume ⁽²⁾	Price ⁽¹⁾	Cost/(Revenue) ⁽¹⁾

Product	Buy/Sell	Date/Time	Volume ⁽²⁾	Price ⁽¹⁾	Cost/(Revenue) ⁽¹⁾
[REDACTED]					

Product	Buy/Sell	Date/Time	Volume ⁽²⁾	Price ⁽¹⁾	Cost/(Revenue) ⁽¹⁾
[REDACTED]					

Product	Buy/Sell	Date/Time	Volume ⁽²⁾	Price ⁽¹⁾	Cost/(Revenue) ⁽¹⁾
[REDACTED]					

Product	Buy/Sell	Date/Time	Volume ⁽²⁾	Price ⁽¹⁾	Cost/(Revenue) ⁽¹⁾

Product	Buy/Sell	Date/Time	Volume ⁽²⁾	Price ⁽¹⁾	Cost/(Revenue) ⁽¹⁾

Product	Buy/Sell	Date/Time	Volume ⁽²⁾	Price ⁽¹⁾	Cost/(Revenue) ⁽¹⁾

Product	Buy/Sell	Date/Time	Volume ⁽²⁾	Price ⁽¹⁾	Cost/(Revenue) ⁽¹⁾
[REDACTED]					

⁽¹⁾ Transactions are denoted in \$USD.

⁽²⁾ Power and natural gas transactions are measured in MWh and MMBtu, respectively.