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

REDACTED



Nova Scotia Power Inc. Monthly FAM Reporting Summary of Fuel Costs For the Period Ended August 31, 2023 (millions of dollars) NSPI (FAM) M-1 NON-CONFIDENTIAL

	Current Month			Year-to-Date			2023 Budget	
							Full Year	% of Budget
	Actual	Forecast ⁽¹⁾	Budget (2)	Actual	Forecast ⁽¹⁾	Budget (2)	Budget	Spent
Fuel for Generation - Domestic Load								
Solid Fuel	16.2	18.7	17.8	224.8	218.9	207.7	294.3	76.4%
Natural Gas	14.4	18.1	16.8	106.4	115.9	95.3	144.1	73.8%
Biomass	1.6	1.6	1.8	10.7	10.5	14.5	20.8	51.4%
Bunker C	0.1	0.1	0.1	16.0	12.9	10.3	12.3	130.1%
Furnace	0.5	0.2	0.1	3.9	2.9	2.1	2.7	144.4%
Diesel	0.1	0.0	1.0	5.7	8.4	9.2	11.7	48.7%
Additives	0.6	0.2	0.4	7.7	4.4	4.7	6.6	116.7%
GHG Compliance	4.8	3.8	-	(131.5)	(134.3)	-	-	0.0%
Subtotal	38.4	42.6	37.9	243.6	239.7	343.7	492.5	49.5%
Import Purchases	11.2	4.9	11.0	33.2	7.1	4.6	42.8	77.6%
Maritime Link	13.6	13.6	13.9	104.4	105.1	111.2	166.8	62.6%
Non-Wind IPP Purchases	3.1	1.4	2.8	20.4	9.2	15.5	26.1	78.2%
Wind Purchases	3.7	4.3	4.4	38.8	44.9	47.4	74.2	52.3%
COMFIT Purchases	4.1	4.0	4.1	42.4	45.3	46.4	72.5	58.5%
Fuel for Resale Net Margin	0.0	-	-	(0.4)	(0.1)	-	-	0.0%
Exports	0.0	-	-	0.6	(0.0)	-	-	0.0%
Fuel and Purchased Power	74.1	70.9	74.1	483.1	451.3	568.8	874.9	55.2%
Water Royalties	0.1	0.1	0.1	0.7	0.7	0.7	1.0	70.0%
Total Fuel and Purchased Power	74.2	71.0	74.1	483.8	452.0	569.5	875.9	55.2%
Less: ELIADC Revenue ⁽³⁾	(6.3)	(8.4)	(9.9)	6.6	(52.1)	(74.0)	(112.8)	-5.9%
Total Fuel and Purchased Power Less ELIADC Revenue	67.8	62.6	64.2	490.4	399.9	495.5	763.1	64.3%
Less: Export Revenues	(0.0)	-	(0.0)	(0.5)	(0.0)	(0.2)	(0.2)	250.0%
Less: 1PT RTP	(0.1)	(0.1)	(0.1)	(0.6)	(0.3)	(0.3)	(0.4)	150.0%
Less: Shore Power	-	(0.0)	(0.0)	-	(0.0)	(0.0)	(0.1)	0.0%
Less: Back Up / Top Up	(0.3)	(0.2)	(0.2)	(1.7)	(1.5)	(1.6)	(2.4)	70.8%
Less: GRLF Fuel Costs	(0.2)	(0.1)	(0.2)	(0.8)	(0.3)	(0.5)	(0.7)	114.3%
Loss / (Gain): Foreign exchange - Fuel Other	-	-	-	-	-	-	-	0.0%
Net Fuel and Purchased Power	67.3	62.3	63.8	486.8	397.6	492.9	759.3	64.1%
Total System Requirements (GWh)	832.4	838.3	831.4	7,479.2	7,623.1	7,521.7	11,180.6	66.9%
Less: Export Sales and Attributed Losses	(0.3)	-	(0.4)	(7.0)	(1.4)	(2.7)	(3.9)	179.5%
Less: GRLF Requirements	(2.6)	(0.9)	(3.1)	(9.5)	(5.7)	(8.5)	(12.1)	78.5%
Less: ELIADC	(82.5)	(87.1)	(90.3)	(429.4)	(555.7)	(672.0)	(1,024.0)	41.9%
Less: Shore Power	-	(0.2)	(0.2)	(0.0)	(0.3)	(0.3)	(1.3)	0.0%
Less: 1PT RTP	(1.6)	(1.4)	(1.1)	(8.9)	(7.1)	(6.3)	(10.1)	88.1%
Less: Back Up / Top Up	(2.9)	(1.7)	(1.9)	(20.3)	(16.0)	(18.0)	(26.5)	76.6%
Less: Losses**	(53.6)	(47.3)	(45.9)	(437.9)	(502.0)	(494.7)	(727.4)	60.2%
Total FAM Sales	688.9	699.8	688.6	6,566.1	6,534.9	6,319.3	9,375.4	70.0%

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⁾ Actual includes adjustment related to M11021 decision on July 5, 2023, approval of the 2022 ELIADC Annual report, resulting in an increase in the under-recovery of \$50.9M

^{**}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 August 31, 2023
(millions of dollars)

NSPI (FAM) M-2 NON CONFIDENTIAL

Base Fuel Component (BCF)

	<u>Actual</u>	<u>Budget</u>
2023 Beginning BCF Balance	-	-
(Over)/Under-recovered Prior to Current Month	14.0	38.5
(Over)/Under-recovered in Current Month	19.6	16.1
Balance Yet to be Recovered	33.6	54.7
(Over)/Under-recovery- Remainder of the Year	N/A	70.7
Interest on BCF Balance	2.0	0.8

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 Aug 1, 2023	154.0	(39.9)
Recovered/(Refunded) in Current Month	0.0	
Closing Balance as of Aug 31, 2023	154.0	(39.9)
Recovered/(Refunded) Remainder of the Year	N/A	-
Interest on AA Balance	(1.6)	(1.7)

Balancing Adjustment Component (BA)

	<u>Actual</u>	<u>Budget</u>
2023 Beginning BA Balance	153.5	153.6
Recovered/(Refunded) Prior to Current Month	0.7	-
Non-fuel amounts applied to FAM prior to current period	-	_
Opening Balance as of Aug 1, 2023	152.9	153.6
Recovered/(Refunded) in Current Month	0.0	-
Non-fuel amounts applied to FAM in current period (1)	0.8	
Closing Balance as of Aug 31, 2023	152.1	153.6
Recovered/(Refunded) Remainder of the Year	N/A	-
Interest on BA Balance	3.5	6.5
FAM Deferral (Over)/Under-Recovery	343.6	174.0

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

Commentary for Month:

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.

¹⁾ The non-fuel amount applied to the FAM in the current period is \$0.75M relating to 2022 Performance Standards Penalty per the NSUARB decision dated August 16th, 2023 regarding M11052.

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

NSPI (FAM) M-3 NON CONFIDENTIAL

Manth	BA Total AA Total		BCF Va	riance	Accumulated	Total
Month	Outstanding	Outstanding	To Current Month	Current Month	Interest	Outstanding
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)	20.1	(4.9)	203.1
May	152.9	154.0	(98.9)	26.3	(3.9)	230.4
June	152.9	154.0	(72.6)	64.1	0.5	298.9
July	152.9	154.0	(8.5)	22.5	2.2	323.1
August	152.1	154.0	14.0	19.6	3.9	343.6
September	152.1	154.0	33.6	11.7	5.8	357.2
October	152.1	154.0	45.4	17.0	7.8	376.2
November	152.1	154.0	62.4	19.1	9.8	397.5
December	152.1	154.0	81.5	15.2	12.0	414.8

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 August 31, 2023

NSPI (FAM) M-4 NON CONFIDENTIAL

Fuel Manual Updates

No Fuel Manual Updates.

POA Updates

No POA Manual Updates.

Organizational Updates

Team Lead, Commercial was promoted to Manager, Portfolio Optimization, effective on August 8, 2023.

Manager, Commercial Gas has been promoted to the role of Senior Manager, Commercial, effective August 8, 2023. The Manager, Gas and Oil and the Team Lead, Energy Dispatch Marketing will report to Senior Manager, Commercial in this new structure.

Team Lead, Business Development will transition into the role of Senior Engineer effective August 8, 2023. Coal Procurement & Logistic Specialist, will now report to Manager, Solid Fuel Procurement.

New role of Administrative Assistant IV is now reporting to Manager, Reporting and Compliance effective August 8, 2023.

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

NSPI (FAM) M-5 REDACTED

		<u>Current Month</u>			<u>Year-to-Date</u>		
Generating Unit	Additive Type	Quantity	Cost	\$/MWh ^a	Quantity	Cos	t \$/MWh ^a
Lingan - Unit 1	Powder Activated Carbon	kgs				kgs	
Lingan - Unit 2	Powder Activated Carbon	kgs				kgs	
Lingan - Unit 3	Powder Activated Carbon	kgs				kgs	
Lingan - Unit 4	Powder Activated Carbon	kgs				kgs	
Point Tupper	Powder Activated Carbon	kgs				kgs	
Trenton 5	Powder Activated Carbon	kgs				kgs	
Trenton 6	Powder Activated Carbon	kgs				kgs	
Lingan	Calcium Chloride	L				L	
Point Tupper	Calcium Chloride	L				L	
Trenton	Calcium Chloride	L				L	
Total Costs - Powder A	ctivated Carbon	117,759 kgs	\$0.406		1,958,208	kgs \$	5.799
Total Costs - Calcium C	hloride	- L	\$0.000		12,393	L \$	0.005
Total Mercury Sorbent	t Costs		\$0.406			\$:	5.804

^a Calculated using actual MWh produced by unit.

Commentary for the month:

YTD emissions are estimated at 27.4 kg. The forecast indicated YTD emissions by August 2023 of 23.1 kg.

NSPI Environmental Report for Mercury Emissions (b)

Annual Limit = 45 kg (c)

	Allitudi Ellilli – 45 kg (c)									
Month	Reported this month (d)	Reported last month	Variance	Reason for variance	2022 Actuals (e)					
Jan	4.4	4.4	0.0		5.4					
Feb	4.2	4.2	0.0		4.6					
Mar	4.5	4.5	0.0		3.9					
Apr	3.7	3.7	0.0		1.7					
May	1.9	1.9	0.0		2.3					
Jun	2.7	2.7	0.0	Estimated data updated with actual data	4.2					
Jul	4.0	4.0	0.0	Estimateu data updateu with actual data	4.1					
Aug	2.0				5.4					
Sep					5.7					
Oct					5.4					
Nov					3.5					
Dec					5.5					
Year to Date (f)	27.4	25.4	0.0		51.7					

^b As reported by NSPI's Environmental Services.

[°] 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.

Nova Scotia Power Inc. Monthly FAM Reporting Volume and Pricing Summary For the Period Ended August 31, 2023 NSPI (FAM) M-6 REDACTED

	Current Month		Year-to-Date	2023 Budget		
	<u>Actual</u>	<u>Budget</u>	% Change	Actual Budget	<u>Budget</u>	
<u>Solid Fuel</u>						
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)						
P						
Bunker Consumption Costs (\$)						
Bunker Consumption Costs (\$) Bunker Consumption (MMBtu)						
Bunker Generation (MWh)						
Bunker Price (\$/MMBtu) ⁽¹⁾						
Bunker Price (\$/MWh)						
<u>Light Fuel Oil</u>						
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)						
<u>Imports</u>						
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⁾	132,5	14 75,900	75%	874,247 1,078,41	1,470,616	

The FAM Budget reflects the 2023 GRA 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).

 $^{^{\}mbox{\scriptsize (1)}}$ 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 August 31, 2023

NSPI (FAM) M-7 NON CONFIDENTIAL

<u>Category</u>	Variance from Budget	<u>Details</u>
Total Fuel and Purchased Power Expense	0.1% above Budget for the month	
Total System Requirements	0.1% above Budget for the month	
Total FAM Sales	0% above Budget for the month	August's 689.2 GWh was more than the FAM Budget of 688.6 GWh.
Net Fuel and Purchased Power Costs	5.5% above Budget for the month	August's \$67.3M was more than the FAM Budget of \$63.8M.
Purchased Power Costs	1.3% below Budget for the month	August's \$22.0M was less than the FAM Budget of \$22.3M. Purchased Power was lower due to a decreased in IPP Wind and COMFIT purchases, this was partially offset by an increase in purchases from non-wind IPP and an increase in generation from non-Maritime Link imports compared to Budget.
Maritime Link	2.2% below Budget for the month	August's \$13.6M was less than the FAM Budget of \$13.9M due to lower Maritime Link assessment payments compared to Budget.
Solid Fuel Costs	9% below Budget for the month	August's \$16.2M was less than the FAM Budget of \$17.8M. Solid Fuel expenditure was lower primarily due to decreased generation. The changes in generation was a result of increase generation from Maritime Link and non-Wind IPP purchases.
Natural Gas	14.3% below Budget for the month	August's \$14.4M was less than the FAM Budget of \$16.8M. Natural gas was lower primarily due to lower pricing inclusive of hedges and decreased generation. The changes in generation was a result of the increase in generation from Maritime Link deliveries and non-wind IPP purchases.
Biomass Fuel Costs	11.1% below Budget for the month	August's \$1.6M was less than the FAM Budget of \$1.8M. Biomass expenditure was lower primarily due to a decrease in generation.
Heavy Fuel Oil	Equal to the Budget for the month	August's \$0.1M was consistent to the FAM Budget of \$0.1M.
Mercury Sorbent/Additives	50% above Budget for the month	August's \$0.6M was more than the FAM Budget of \$0.4M.
GHG Compliance	100% above Budget for the month	August's \$4.8M was more than the FAM Budget of \$0.0M. The FAM Budget did not include carbon tax, as details on the provincial regulations were not known.
Mercury Emissions	Above Budget for the month	August's 2.0 kg was more than the Budget of 1.3 kg.

<u>Category</u>	Variance from Forecast	<u>Details</u>
Total Fuel and Purchased Power Expense	4.5% above Forecast for the month	
Total System Requirements	0.7% below Forecast for the month	
Total FAM Sales	1.6% below Forecast for the month	August's 689.2 GWh was less than the Forecast of 699.8 GWh.
Net Fuel and Purchased Power Costs	8% above Forecast for the month	August's \$67.3M was more than the Forecast of \$62.3M.
Purchased Power Costs	50.7% above Forecast for the month	August's \$22.0M was more than the Forecast of \$14.6M. Purchased Power was higher due to an increase in the amount of non-Maritime Link imported power and IPP purchases compared to Forecast. This was partially offset by a decrease in IPP Wind.
Maritime Link	Equal to the Forecast for the month	August's \$13.6M was consistent to the Forecast of \$13.6M.
Solid Fuel Costs	13.4% below Forecast for the month	August's \$16.2M was less than the Forecast of \$18.7M. Solid Fuel expenditure was lower primarily due to decreased generation and pricing. The change in generation was a result of the higher purchases of non-Maritime Link imported power, non-wind IPP purchases compared to Forecast. Additionally, lower load led to a decrease in fuel costs.
Natural Gas	20.4% below Forecast for the month	August's \$14.4M was less than the Forecast of \$18.1M. Natural gas expenditure was lower primarily due to decreases in generation. The change in generation was the result of higher generation from non-Maritime Link imports and non-wind IPP purchases compared to Forecast. Additionally, lower load led to a decrease in fuel costs.
Biomass Fuel Costs	Equal to the Forecast for the month	August's \$1.6M was consistent to the Forecast of \$1.6M.
Heavy Fuel Oil	Equal to the Forecast for the month	August's \$0.1M was consistent to the Forecast of \$0.1M.
Mercury Sorbent/Additives	200% above Forecast for the month	August's \$0.6M was more than the Forecast of \$0.2M.
GHG Compliance	26.3% above Forecast for the month	August's \$4.8M was more than the Forecast of \$3.8M.

Nova Scotia Power Inc.

Monthly FAM Reporting

REDACTED

ELIADC Tariff Revenue For the Period Ended August 31, 2023

- August \$ August MWH
CBL Energy Charge - Fuel & Purchased Power⁽¹⁾ \$ 4,204,877 74,095

Fuel Cost Recovery Instalment Payment 1,481,895

 Accrual Booked
 850,739
 11,085

 Accrual Reversed
 (204,188)
 (2,660)

 ELIADC in Monthly FAM Report (reported on M-1)⁽⁴⁾
 \$ 6,333,324
 82,519

ELIADC Report									
	CBL Energy Charge (\$)					CBL Adder (\$)			
	CBLL	Variable				CDL Adder (3)			
	Fuel & Purchased Power	Operating &	Fixed Cost	Total Actual	Target Energy	Fixed Cost	Var Capital	Total Billed	
Month	Charge	Maintenance	Recovery (\$)	Energy (MWh) ⁽¹⁾	(MWh)	Recovery	Adder (\$) ⁽⁵⁾	Charge (\$)	
August 2023	\$ 4,204,87	7 \$ 78,540	\$ 13,337	74,095		\$ 283,042	\$ 222,284	\$ 4,802,081	

Nova Scotia Power Inc. Monthly FAM Reporting NS Power Energy Marketing Inc. Transaction Reporting For the Period Ended August 31, 2023 NSPI (FAM) M-9 REDACTED

For the Period Ended August 31, 2023 Product	Buy/Sell	Date/Time	Volume ⁽²⁾	Price ⁽¹⁾	Cost/(Revenue) ⁽¹⁾

Nova Scotia Power Inc.

Monthly FAM Reporting

NS Power Energy Marketing Inc. Transaction Reporting

NSPI (FAM) M-9 REDACTED

NS Power Energy Marketing Inc. Transaction Reporting For the Period Ended August 31, 2023 Cost/(Revenue)⁽¹⁾ Buy/Sell Volume (2)

Nova Scotia Power Inc.

Monthly FAM Reporting

NS Power Energy Marketing Inc. Transaction Reporting
For the Period Ended August 31, 2023

NSPI (FAM) M-9 REDACTED

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

Nova Scotia Power Inc.
Monthly FAM Reporting
NS Power Energy Marketing Inc. Transaction Reporting
For the Period Ended August 31, 2023

NSPI (FAM) M-9 REDACTED

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

⁽¹⁾ Transactions are denoted in \$115D

⁽i) Transactions are denoted in \$USD.
(2) Power and natural gas transactions are measured in MWh and MMBtu, respectively.