

**Nova Scotia Power Inc.**  
**Monthly FAM Reporting**  
For the Period Ended June 30, 2020

REDACTED

# REDACTED (CONFIDENTIAL INFORMATION REMOVED)

Nova Scotia Power Inc.  
 Monthly FAM Reporting  
 Summary of Fuel Costs  
 For the Period Ended June 30, 2020  
 (millions of dollars)

NSPI (FAM) M-1  
 NON-CONFIDENTIAL

	Current Month		Year-to-Date		2020 Budget	
	<u>Actual</u>	<u>Budget</u>	<u>Actual</u>	<u>Budget</u>	<u>Full Year Budget</u>	<u>% of Budget Spent</u>
Fuel for Generation - Domestic Load						
Solid Fuel	\$ 9.0	\$ 13.4	\$ 99.4	\$ 139.4	\$ 243.1	40.9%
Natural Gas	8.4	0.3	57.9	33.2	52.5	110.3%
Biomass	1.5	0.1	4.7	4.8	11.9	39.5%
Bunker C	0.0	0.1	0.9	4.8	5.5	16.4%
Furnace	0.1	0.2	1.1	1.6	2.7	40.7%
Diesel	0.0	0.0	0.1	0.5	0.8	12.5%
Additives	0.8	1.2	7.4	12.9	22.2	33.3%
<b>Subtotal</b>	<b>\$ 19.8</b>	<b>\$ 15.2</b>	<b>\$ 171.4</b>	<b>\$ 197.2</b>	<b>\$ 338.6</b>	<b>50.6%</b>
Import Purchases	3.7	6.1	21.3	22.9	56.9	37.4%
Maritime Link	9.0	12.0	55.2	72.3	144.5	38.2%
Non-Wind IPP Purchases	1.4	0.9	7.6	6.9	13.6	55.9%
Wind Purchases	5.3	6.2	42.2	44.2	82.8	51.0%
COMFIT Purchases	5.3	5.9	40.1	42.3	79.5	50.4%
Fuel for Resale Net Margin	0.0	0.0	0.0	0.0	0.0	0.0%
Exports	0.0	0.0	2.0	0.0	0.0	0.0%
<b>Fuel and Purchased Power</b>	<b>\$ 44.5</b>	<b>\$ 46.3</b>	<b>\$ 339.8</b>	<b>\$ 385.7</b>	<b>\$ 715.9</b>	<b>47.5%</b>
Water Royalties	0.1	0.1	0.5	0.5	1.0	50.0%
<b>Total Fuel and Purchased Power</b>	<b>\$ 44.6</b>	<b>\$ 46.4</b>	<b>\$ 340.3</b>	<b>\$ 386.2</b>	<b>\$ 717.0</b>	<b>47.5%</b>
Less: ELIADC Revenue	(2.8)	(3.5)	(21.5)	(34.0)	(60.6)	35.5%
<b>Total Fuel and Purchased Power Less ELIADC Revenue</b>	<b>41.8</b>	<b>\$ 42.9</b>	<b>\$ 318.8</b>	<b>\$ 352.2</b>	<b>\$ 656.4</b>	<b>48.6%</b>
Less: Export Revenues	(0.1)	(0.0)	(3.5)	(0.0)	(0.1)	3500.0%
Less: 1PT RTP	(0.0)	(0.1)	(0.1)	(0.2)	(0.6)	16.7%
Less: Shore Power	0.0	(0.0)	0.0	(0.0)	(0.1)	0.0%
Less: Back Up / Top Up	(0.2)	0.0	(0.7)	0.0	0.0	0.0%
Less: GRLF Fuel Costs	(0.0)	(0.0)	(0.1)	(0.5)	(1.7)	5.9%
Loss / (Gain): Foreign exchange - Fuel Other	0.0	0.0	0.0	0.0	0.0	0.0%
<b>Net Fuel and Purchased Power</b>	<b>\$ 41.5</b>	<b>\$ 42.8</b>	<b>\$ 314.4</b>	<b>\$ 351.4</b>	<b>\$ 654.0</b>	<b>48.1%</b>
<b>Total System Requirements (GWh)</b>	<b>726.6</b>	<b>761.9</b>	<b>5,667.7</b>	<b>5,931.8</b>	<b>11,302.0</b>	<b>50.1%</b>
Less: Export Sales and Attributed Losses	(0.3)	(0.1)	(36.4)	(0.4)	(1.9)	1915.8%
Less: GRLF Requirements	(0.9)	(0.4)	(1.4)	(6.6)	(25.1)	5.6%
Less: ELIADC	(59.2)	(83.8)	(386.4)	(537.2)	(1,109.4)	34.8%
Less: Shore Power	0.0	(0.1)	0.0	(0.3)	(1.4)	0.0%
Less: 1PT RTP	(0.9)	(1.3)	(2.2)	(3.8)	(11.5)	19.1%
Less: Back Up / Top Up	(2.9)	(1.5)	(11.9)	(13.6)	(25.1)	47.4%
Less: Losses*	(80.7)	(40.4)	(382.0)	(397.1)	(769.0)	49.7%
<b>Total FAM Sales</b>	<b>581.8</b>	<b>634.3</b>	<b>4,847.4</b>	<b>4,972.8</b>	<b>9,358.5</b>	<b>51.8%</b>

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

The FAM Budget reflects the 2020 BCF Compliance filing of \$717.0M.

\*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 June 30, 2020  
(millions of dollars)**

**NSPI (FAM) M-2  
NON CONFIDENTIAL**

**Base Fuel Component (BCF)**

	<u>Actual</u>	<u>Budget</u>
2020 Beginning BCF Balance	-	-
(Over)/Under-recovered Prior to Current Month	(60.08)	(27.70)
(Over)/Under-recovered in Current Month	(2.93)	(5.17)
<b>Balance Yet to be Recovered</b>	<b>(63.01)</b>	<b>(32.87)</b>
(Over)/Under-recovery- Remainder of the Year	N/A	(32.21)
Interest on BCF Balance	(1.47)	(0.72)

**Actual Adjustment Component (AA)**

	<u>Actual</u>	<u>Budget</u>
2020 Beginning AA Balance	39.20	39.20
Recovered/(Refunded) Prior to Current Month	0.84	6.95
Opening Balance as of Jun 1, 2020	38.36	32.25
Recovered/(Refunded) in Current Month	1.07	1.21
<b>Closing Balance as of Jun 30, 2020</b>	<b>37.29</b>	<b>31.04</b>
Recovered/(Refunded) Remainder of the Year	N/A	7.79
Interest on AA Balance	1.31	1.13

**Balancing Adjustment Component (BA)**

	<u>Actual</u>	<u>Budget</u>
2020 Beginning BA Balance	(154.61)	(154.61)
Recovered/(Refunded) Prior to Current Month	(71.39)	(71.36)
Non-fuel amounts applied to FAM prior to current period	1.02	-
Opening Balance as of Jun 1, 2020	(84.25)	(83.25)
Recovered/(Refunded) in Current Month	(9.18)	(9.84)
Non-fuel amounts applied to FAM in current period	1.97	-
<b>Closing Balance as of Jun 30, 2020</b>	<b>(77.03)</b>	<b>(73.41)</b>
Recovered/(Refunded) Remainder of the Year	N/A	(69.43)
Interest on BA Balance	(3.44)	(3.41)
<b>FAM Deferral (Over)/Under-Recovery</b>	<b>(106.36)</b>	<b>(78.24)</b>

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 2020 BCF Compliance filing of \$717.0M.

**Commentary for Month:**

Non-fuel amounts applied to FAM in current period are comprised of \$1.72M per the NSUARB letter dated May 29, 2020 regarding M09687, and the \$0.25M Performance Standards Penalty per the NSUARB decision dated June 25, 2020 regarding M09472.

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Nova Scotia Power Inc.  
Monthly FAM Reporting  
2020 Total Accumulated Unrecovered FAM Balance  
For the Period Ended June 30, 2020  
(millions of dollars)

NSPI (FAM) M-3  
NON CONFIDENTIAL

Month	BA Total Outstanding	AA Total Outstanding	BCF Variance		Accumulated Interest	Total Outstanding
			To Current Month	Current Month		
January	(137.7)	40.9	0.0	(17.6)	(0.6)	(115.0)
February	(122.2)	41.7	(17.6)	(13.7)	(1.2)	(113.1)
March	(108.1)	40.6	(31.4)	(11.3)	(1.9)	(112.0)
April	(95.1)	39.5	(42.6)	(9.9)	(2.5)	(110.6)
May	(84.2)	38.4	(52.5)	(7.5)	(3.0)	(109.0)
<b>June</b>	<b>(77.0)</b>	<b>37.3</b>	<b>(60.1)</b>	<b>(2.9)</b>	<b>(3.6)</b>	<b>(106.4)</b>
July	(66.6)	36.1	(63.0)	(4.0)	(4.2)	(101.7)
August	(56.1)	34.8	(67.0)	(3.5)	(4.7)	(96.4)
September	(46.6)	33.7	(70.5)	1.0	(5.1)	(87.5)
October	(36.0)	32.4	(69.5)	0.2	(5.5)	(78.3)
November	(23.2)	31.1	(69.3)	(4.2)	(5.9)	(71.5)
December	(6.8)	29.7	(73.5)	(12.8)	(6.2)	(69.7)

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

Future months reference NS Power's Forecast from February 2020.

**Nova Scotia Power Inc.  
Monthly FAM Reporting  
Fuel Policies and Organizational Changes  
For the Period Ended June 30, 2020**

**NSPI (FAM) M-4  
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**Fuel Manual Updates**

No Fuel Manual updates to report.

**POA Updates**

No POA updates to report.

**Organizational Updates**

No Organizational updates to report.

# REDACTED (CONFIDENTIAL INFORMATION REMOVED)

Nova Scotia Power Inc.  
 Monthly FAM Reporting  
 Mercury Abatement Program  
 For the Period Ended June 30, 2020  
 (millions of dollars)

NSPI (FAM) M-5  
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Generating Unit	Additive Type	Current Month			Year-to-Date		
		Quantity	Cost	\$/MWh <sup>a</sup>	Quantity	Cost	\$/MWh <sup>a</sup>
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						
<b>Total Costs - Powder Activated Carbon</b>		<b>163,616</b>	<b>kgs</b>	<b>\$0.497</b>	<b>1,836,496</b>	<b>kgs</b>	<b>\$5.153</b>
<b>Total Costs - Calcium Chloride</b>		<b>16,383</b>	<b>L</b>	<b>\$0.006</b>	<b>282,686</b>	<b>L</b>	<b>\$0.106</b>
<b>Total Mercury Sorbent Costs</b>				<b>\$0.504</b>			<b>\$5.259</b>

<sup>a</sup> Calculated using actual MWh produced by unit.

**Commentary for the month:**

YTD emissions are estimated at 28.5 kg. The start of year forecast indicated YTD emissions by June 2020 of 34.6 kg.

NSPI Environmental Report for Mercury Emissions (b)

*Annual Limit = 65 kg (c)*

Month	Reported this month (d)	Reported last month	Variance	Reason for variance	2019 Actuals (e)
Jan	7.7	7.7	0.0	Estimated data updated with actual data	8.3
Feb	6.3	6.3	0.0		8.3
Mar	5.9	5.7	0.2		10.4
Apr	3.1	2.8	0.3		5.2
May	2.6	2.7	-0.1		2.5
Jun	2.9				2.8
Jul					
Aug					
Sep					
Oct					
Nov					
Dec					
<b>Year to Date (f)</b>	<b>28.5</b>	<b>25.2</b>	<b>0.4</b>		<b>37.5</b>

<sup>b</sup> As reported by NSPI's Environmental Services.

<sup>c</sup> Province of Nova Scotia Air Quality Regulations - Schedule C section 3(2). Annual limit of 35kg plus mercury diversion credits to a maximum of 30kg as per Schedule C section 7E(3a) for a total of 65kg.

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

<sup>e</sup> Shown for comparative purposes. Figures updated in March to reflect finalized amounts.

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

# REDACTED (CONFIDENTIAL INFORMATION REMOVED)

Nova Scotia Power Inc.  
 Monthly FAM Reporting  
 Volume and Pricing Summary  
 For the Period Ended June 30, 2020

NSPI (FAM) M-6  
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	Current Month			Year-to-Date		2020 Budget
	<u>Actual</u>	<u>Budget</u>	<u>% Change</u>	<u>Actual</u>	<u>Budget</u>	<u>Budget</u>
<b>Solid Fuel</b>						
Solid Fuel Consumption Costs (\$)						
Solid Fuel Consumption (MMBtu)						
Solid Fuel Generation (MWh)						
Solid Fuel Price (\$/MMBtu) <sup>(1)</sup>						
Solid Fuel Price (\$/MWh)						
<b>Natural Gas</b>						
Natural Gas Consumption Costs (\$)						
Natural Gas Consumption (MMBtu)						
Natural Gas Generation (MWh)						
Natural Gas Price (\$/MMBtu) <sup>(1)</sup>						
Natural Gas Price (\$/MWh)						
<b>Biomass</b>						
Biomass Consumption Costs (\$)						
Biomass Consumption (MMBtu)						
Biomass Generation (MWh)						
Biomass Price (\$/MMBtu)						
Biomass Price (\$/MWh)						
<b>Bunker</b>						
Bunker Consumption Costs (\$)						
Bunker Consumption (MMBtu)						
Bunker Generation (MWh)						
Bunker Price (\$/MMBtu) <sup>(1)</sup>						
Bunker Price (\$/MWh)						
<b>Light Fuel Oil</b>						
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)						
<b>Imports</b>						
Imported Power Volume (MWh) <sup>(2)</sup>						
Imported Power Price (\$/MWh) <sup>(1)</sup>						
<b>Non-Wind IPP Purchases</b>						
IPP Purchase Volumes (MWh)						
IPP Purchase Price (\$/MWh)						
<b>Wind IPP Purchases</b>						
Wind Purchase Volumes (MWh)						
Wind Purchase Price (\$/MWh)						
<b>COMFIT</b>						
COMFIT Purchase Volumes (MWh)						
COMFIT Purchase Price (\$/MWh)						

The FAM Budget reflects the 2020 BCF Compliance filing of \$717.0M.

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).

<sup>(1)</sup> Includes impact of commodity hedge settlements.

<sup>(2)</sup> ML NS Block Imports are not included in the Budget calculation.

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Nova Scotia Power Inc.  
 Monthly FAM Reporting  
 Volume and Pricing Summary  
 For the Period Ended June 30, 2020

NSPI (FAM) M-7  
 NON CONFIDENTIAL

<u>Category</u>	<u>Variance from budget</u>	<u>Details</u>
Total Fuel and Purchased Power Expense	3.9% below Budget for the month	
Total System Requirements	4.6% below Budget for the month	
Total FAM Sales	8.3% below Budget for the month	June's 581.8 GWh was less than the FAM Budget of 634.3 GWh
Net Fuel and Purchased Power Costs	3.0% below Budget for the month	June's \$41.5M was less than the FAM Budget of \$42.8M
Purchased Power Costs	17.8% below Budget for the month	June's \$15.7M was less than the FAM Budget of \$19.1M. This is due to lower import, Wind IPP and COMFIT purchases partially offset by increased generation from Non Wind IPP purchases.
Solid Fuel Costs	32.8% below Budget for the month	June's \$9.0M was less than the FAM Budget of \$13.4M. Solid Fuel expenditure was lower primarily as a result of decreased dispatch due to lower load and natural gas generation displacing some solid fuel generation due to favourable pricing.
Natural Gas	2700% above Budget for the month	June's \$8.4M was more than the FAM Budget of \$0.3M. There was increased natural gas dispatch primarily due to the later start date for Maritime Link NS Block and favorable pricing relative to other fuel sources.
Biomass Fuel Costs	1400% above Budget for the month	June's \$1.5M was more than the FAM Budget of \$0.1M. Biomass Fuel expenditure was higher as a result of increased generation from Biomass due to favourable pricing compared to other generation sources.
Heavy Fuel Oil	100% below Budget for the month	June's \$0.0M was less than the FAM Budget of \$0.1M.
Mercury Sorbent/Additives	33.3% below Budget for the month	June's \$0.8M was less than the FAM Budget of \$1.2M primarily due to lower volumes consumed as a result of decreased solid fuel dispatch.
Mercury Emissions	Below Budget for the month	June's 2.9kg was lower than the forecast of 3.0kg.



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Nova Scotia Power Inc.  
 Monthly FAM Reporting  
 ELIADC Tariff Revenue  
 For the Period Ended June 30, 2020

NSPI (FAM) M-8  
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	Jun \$	Jun MWH
CBL Energy Charge - Fuel & Purchased Power	\$ 3,813,742	67,214
Adjustments <sup>(1)</sup>	(593,431)	
Accrual Booked	225,042	2,430
Accrual Reversed	(669,936)	(10,433)
<b>ELIADC in Monthly FAM Report (reported on M-1)</b>	<b>\$ 2,775,417</b>	<b>59,211</b>

ELIADC Report								
Month	CBL Energy Charge (\$)			Total Actual Energy (MWh) <sup>(2)</sup>	Target Energy (MWh)	CBL Adder (\$)	Var Capital Adder (\$)	Total Billed Charge (\$)
	Fuel & Purchased Power Charge	Variable Operating & Maintenance Charge	Fixed Cost Recovery					
June 2020 Total	\$ 3,813,742	\$ 105,527	\$ 112,920	67,214	[REDACTED]	\$ 155,937	\$ 75,952	\$ 4,264,078





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<sup>(1)</sup> Transactions are denoted in \$USD.