Nova Scotia Power Inc. Quarterly FAM Reporting June 30, 2024

REDACTED



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Nova Scotia Power Inc. Quarterly FAM Reporting June 30, 2024 NSPI (FAM) Q-2 NON CONFIDENTIAL

Foreign Currency Exchange Program

	2024	2025	2026
\$US Dollar (\$Millions)			
Hedged - \$	\$313	\$134	\$4
Open - \$	\$82	\$244	\$367
Total Requirement	\$395	\$378	\$371
Hedged - \$ Rate	1.3248	1.3325	1.3402
Open - \$ Forecasted Rate	1.3725	1.3475	1.3100
Total - \$ Blended Rate	1.3347	1.3422	1.3103
Hedge %	79%	35%	1%
Open %	21%	65%	99%

Foreign Currency Exchange Program - New Contract Details

Value Date	USD Amount	Rate	CDN Amount	Execution Date
13 Sep 2024	\$5,000,000	\$1.36090	\$6,804,500	3 Jun 2024
6 Dec 2024	\$5,000,000	\$1.35842	\$6,792,100	3 Jun 2024
20 Oct 2025	\$5,000,000	\$1.34965	\$6,748,250	3 Jun 2024
19 Nov 2025	\$7,000,000	\$1.34890	\$9,442,300	3 Jun 2024
19 Dec 2025	\$5,000,000	\$1.34820	\$6,741,000	3 Jun 2024
18 Dec 2026	\$4,000,000	\$1.34020	\$5,360,800	3 Jun 2024

Generation and Purchased Power Statistics

Q1 Q2 Q3 Q4

	Actual	Budget	Actual	Budget	Actual	Budget	Actual Bud	dget	Current period Year-to-date	Prior period Year-to-date	Budget Year-to-date
Net Generation (MWh) Lingan Unit #1											
Gross	203,978	289,955	112,431	62,171		115,946	1	45,148	316,409	177,382	352,126
Station Service Net	(15,028) 188,950	289,955	(11,114) 101,317	62,171	-	115,946	- 1	45,148	(26,142) 290,266	(12,749) 164,634	352,126
Unit #2											-
Gross	56,673	-	12,042	-		-		-	68,715	107,961	-
Station Service Net	(4,458) 52,214	-	(1,243) 10,799			-	_	-	(5,701)	(7,870) 100,091	
			,								-
Unit #3 Gross	186,369	180,895	63,850	42,121		86,341		85,677	250,219	358,458	223,016
Station Service	(13,268)	-	(6,979)	-		-			(20,247)	(27,947)	
Net	173,101	180,895	56,871	42,121	-	86,341	-	85,677	229,972	330,511	223,016
Unit #4											
Gross Station Service	143,820 (10,599)	225,597	58,709 (5,790)	42,383		114,121	1	51,629	202,529 (16,389)	316,310 (25,750)	267,981
Net	133,221	225,597	52,919	42,383	-	114,121	- 1	51,629	186,140	290,560	267,981
Pt. Aconi											-
Gross	318,930	274,415	223,817	15,765		22,418	1	13,329	542,747	451,178	290,180
Station Service Net	(35,577) 283,353	274,415	(29,860) 193,956	15,765		22,418		13,329	(65,437) 477,310	(56,560) 394,619	290,180
	200,000	217,710	100,000	10,100		22,410	'	10,020	477,010	004,010	-
Pt. Tupper Gross	193,331	84,090	77,406	38,047		49,856		48,711	270,737	275,930	122,137
Station Service	(10,798)	-	(4,809)			-		-	(15,608)	(18,373)	
Net	182,533	84,090	72,597	38,047		49,856		48,711	255,130	257,557	122,137
Trenton Unit #5	427 700	_							-	447.020	-
Gross Station Service	137,788 (12,719)	-	(1,381)					-	137,788 (14,100)	147,932 (16,235)	
Net	125,069	-	(1,381)				-	-	123,688	131,697	-
Unit #6									-		
Gross	197,132	296,901	112,736	132,711		111,215	2	230,721	309,868	477,844	429,612
Station Service Net	(15,907) 181,225	296,901	(12,637) 100,098	132,711		111,215	2	230,721	(28,544) 281,324	(36,587) 441,257	429,612
Doint Tunner Diamon											-
Point Tupper Biomass Gross	42,245	60,000	39,993	39,946		48,167		59,919	82,239	95,986	99,946
Station Service Net	(9,709)	60,000	(9,389) 30,604	39,946		48,167		59,919	(19,098) 63,141	(17,634) 78,352	99,946
1401	32,001	00,000	30,004	33,340		40,107		55,515	00,141	10,332	-
Tufts Cove											-
Unit #1 Gross	59,468	9,829	127,194	57,759		20,613		11,617	186,662	193,889	67,588
Station Service	(4,159)	-	(7,945)	-		-		-	(12,104)	(13,208)	
Net	55,309	9,829	119,248	57,759		20,613		11,617	174,558	180,681	67,588
Unit #2											
Gross Station Service	130,831 (8,242)	10,801	159,674 (8,694)	38,228		49,458		8,538	290,506 (16,937)	240,716 (14,296)	49,029
Net	122,589	10,801	150,980	38,228		49,458		8,538	273,569	226,420	49,029
Unit #3											-
Gross	204,153	31,451	171,095	114,254		157,630		47,382	375,248	298,712	145,705
Station Service Net	(11,503) 192,650	31,451	(8,689) 162,406	114,254		157,630		47,382	(20,192) 355,056	(16,972) 281,740	145,705
114 0000 /T % O // //		•	•	•							-
LM 6000 (Tufts Cove #4) Gross	77,936	81,057	55,716	61,407		83,520		79,817	133,652	119,167	142,464
Station Service	(2,228)	-	(2,115)	-		-		-	(4,343)	(4,987)	
Net	75,708	81,057	53,601	61,407		83,520		79,817	129,309	114,180	142,464
LM6000 (Tufts Cove #5)		00.010		70.0				70 500		400.000	-
Gross Station Service	80,573 (3,780)	69,016	57,394 (1,945)	72,055		62,800		76,530	137,967 (5,725)	133,852 (4,552)	141,071
Net	76,794	69,016	55,449	72,055		62,800		76,530	132,243	129,300	141,071
LM6000 (Tufts Cove #6)											
Gross	48,971	55,910	34,134	43,509		47,069		56,523	83,105	62,502	99,418
Station Service Net	48,971	55,910	34,134	43,509		47,069		56,523	83,105	62,502	99,418
				4***							-
Total CTs Gross	5,962	3,040	1,185	12,168		14,652		2,756	7,148	10,871	15,208
Station Service	(617)	-	(327)	-		-		-	(944)	(1,320)	-
Net	5,346	3,040	858	12,168		14,652		2,756	6,204	9,551	15,208
Total Hydro											-

Nova Scotia Power Inc. NSPI (FAM) Q-6 As at June 30, 2024 NON CONFIDENTIAL

Generation and Purchased Power Statistics

Q1 Q2 Q3 Q4

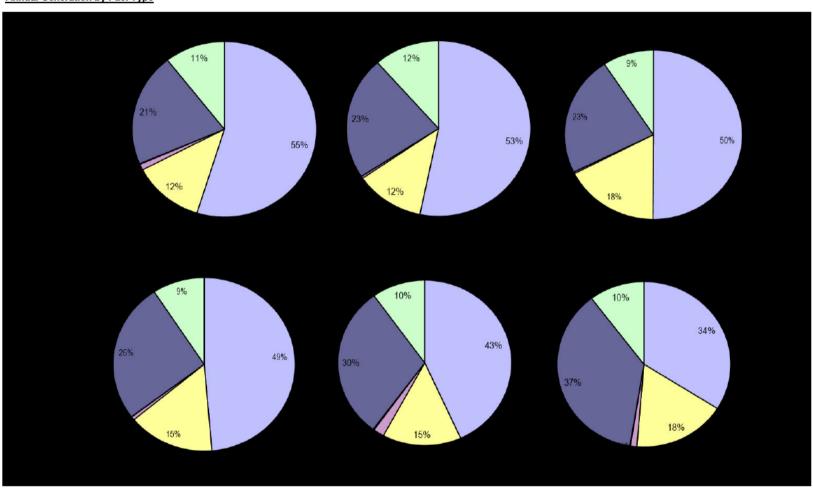
	Actual	Budget	Actual	Budget	Actual Budget	Actual	Budget	Current period Year-to-date	Prior period Year-to-date	Budget Year-to-date
Gross Station Service	290,009	283,744	252,232	290,270	80,6	61	237,476	542,240	530,288 (4,955)	574,014
Net	290,009	283,744	252,232	290,270	80,6	61	237,476	542,240	525,334	574,014
Total NSPI Wind										-
Gross	66,600	66,172	54,356	63,877	49,0	61	68,384	120,956	107,975	130,048
Station Service	(98)	-	(58)	-		-	-	(156)	(105)	-
Net	66,502	66,172	54,297	63,877	49,0	61	68,384	120,800	107,870	130,048
NSPI Owned Solar Amherst Solar Garden	-	-	-	-	-			-	1,216	-
Total Generation Gross	2,445,222	2,050,248	1,614,828	1,145,944	1,125,2	10	1,449,207	4,060,050	4,108,172	3,196,192
Station Service	(160.683)	2,030,240	(114,537)	1,143,344	1,123,2	10	1,445,207	(275.220)	(280.099)	3,130,132
Net	2,284,539	2,050,248	1,500,290	1,145,944	1,125,2	18	1,449,207	3,784,830	3,828,073	3,196,192
Purchases	2,204,000	2,000,240	1,000,200	1,140,044	1,120,2	10	1,440,201	0,704,000	0,020,010	0,100,102
Imports	176.906	340.591	325.198	654.747	683.0	62	572.525	502.104	551.660	995.338
Maritime Link (1)	507.539	377.635	315.942	218.237	224.0		314,129	823,480	636,587	595.871
IPP/COMFIT	464,192	583,939	358,153	518,119	399.1		583,316	822.345	767,901	1,102,059
Total KWh Available	3,433,176	3,352,413	2,499,582	2,537,047	2,431,4		2,919,177	5,932,759	5,784,222	5,889,460
Less Export Sales		(434)		(2,225)	(1,6	10)	(2,234)		(5,021)	(2,659)
Losses (Export Sales)	-	(404)	4	(2,220)	(1,0	-	(2,204)	4	3	(2,000)
Net Class Requirement	3,433,176	3,351,979	2,499,586	2,534,823	2,429,7	98	2,916,943	5,932,763	5,779,204	5,886,801
Less GRLF requirement	(495)	(1,786)	(1,075)	(1,635)	(5,7	10)	(2,922)	(1,570)	(5,451)	(3,421)
Less ELIADC	(173,889)	(241,560)	(183,058)	(255,912)	(267,7		(261,984)	(356,947)	(273,928)	(497,472)
Less Shore Power	(110,000)	(2+1,000)	(100,000)	(200,512)		40)	(560)	(000,047)	(0)	(401,412)
Less 1PT RTP	(1,225)	(1,236)	(2,471)	(2,762)	(3,1)		(2,909)	(3,697)	(5,536)	(3,998)
Less Back Up/Top Up	(1,220)	(8,312)	(2,471)	(5,834)	(5,6		(6,738)	(0,001)	(13,372)	(14,146)
Less Mersey Basic Block Less Losses **	(251,035)	(246,299)	- (117,335)	(156,790)	(138,6	-	(190,241)	(368,371)	(337,751)	(403,089)
	(==:,=30)	(=:-,==3)	(,==0)	(,)	(100,0	. ,	(, /	(,5, 1)	(,)	(,.50)
Net Requirement	3,006,532	2,852,785	2,195,647	2,111,890	2,008,1	49	2,451,589	5,202,179	5,143,166	4,964,675

^{*}The Budget reflects the 2024 GRA Compliance Filing of \$940.6M.

(1) Maritime Link refers to net generation received for NS Block (Base & Supplemental), including make-up energy.

(2) Includes losses for all customer classes, with the exception of Export Sales.

Annual Generation by Fuel Type



Mercury Additive Details for Current Quarter and Year to Date

			~ Quar	ter~			~ Year To Date ~			
Generating Plant	Additive Type	Quantity	Unit of Measure	Costs [\$]	\$/MWh a	Quantity	Unit of Measure	Costs [\$]	\$/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 (all units)	Calcium Chloride		Ĺ				Ĺ			
Point Tupper	Calcium Chloride		L				L			
Trenton (all units)	Calcium Chloride		L				L			
Total Costs (Powder	Activated Carbon)	459,012	kgs	\$1.490		1,456,503	kgs	\$4.554	•	
Total Costs (Calcium	Chloride)	24,085	L	\$0.010		43,990	L	\$0.020		
Total Costs (All Addi	tives)			\$1.500				\$4.574		

^a Calculated using actual MWh produced by unit.

NSPI Environmental Report for Mercury Emissions ^b

Annual Limit = 45 kg c

Quarter	Reported This Quarter, kg	Reported Last Quarter, kg	Variance, kg	Reason for Variance
Q1 Q2 Q3 Q4	12.9 4.7 ^d	13.6	-0.7	Estimated data updated with actual data
Year to Date	17.6	13.6		

^b As reported by NSPI's Environmental Services.

NSPI Environmental Report for Mercury Diversion Program

	Verified Credits ^e	Unverified Credits ¹	Total Verified + Unverified Credits	Credits Used ⁹
2015	2.3		2.3	
2016	19.7		19.7	
2017	44.8		44.8	
2018	57.8		57.8	
2019	61.6		61.6	
2020	7.3		7.3	68.8 ^h
2021				7.6
2022				10.0
2023				10.0 ^e
Year to Date	193.5	0.0	193.5	96.4

^{*} A report by a verifier certifying the credits being claimed in a calendar year must be submitted to the Minister by March 31 of the following year per Sub-Section 7F of the Province of Nova Scotia Air Quality Regulations.

[°] 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.

f The mercury diversion program ended in Q2 2020. Credits will not accumulate after that date.

g NSPI can use credits for compliance with the Air Quality Regulations. Credits can start being used in 2020.

h In 2020, 68.8kg of credits were used for compliance, with 24.7kg applied to meet 2020 compliance requirements and 44.1kg of credits to make up deferred Hg emissions from 2010-2013.

For the Period Ended June 30, 2024

ELIADC in Monthly FAM Report (reported on M1)

Adjustments (Monthly FAM report on M8) (2)

(164,138)

QTD Jun \$ QTD Jun MWH
183,058

(164,138)

\$ 17,853,636

183,058

ELIADC Report																
_																
	C	CBL Energy Charge (\$)				CBL Adder (\$)										
									Indicative	Indicative ADC						
F	uel & Purchased	Variable Operating &	Fixed Cost	Total Delivered	Target Energy	Fixed Cost Recovery	Var Capital		Incremental cost		# of Hours	# of Hours	# of Hours	# of Hours	# of Hours Cause	Total Hours in
Period	Power Charge	Maintenance Charge	Recovery (\$)	Energy (MWh)	(MWh)	(\$)	Adder	Total Charge (\$)	to serve PHP (\$)	Differential (\$) (1)	Cause Code 1	Cause Code 2	Cause Code 3	Cause Code 4	Code 5	Period
Q2 \$	17,853,636	\$ 205,025	\$ 549,174	183,058		\$ 183,058	\$ 849,389	\$ 19,640,281	\$ 16,815,124	\$ 1,792,710	38	73	181	667	9	2184

Cause Code 1 - NUP - NSP Energy System Operator initiated ramp Up.

Cause Code 2 - NDN - NSP Energy System Operator initiated ramp Down.

Total CBL Energy Charge (includes CBL Adder) - Fuel & Purchased Power

Cause Code 3 - PFL - PHP Failure to Load due to equipment or process constraints.

Cause Code 4 - PNA - PHP and NSP Agreement to new dispatch .

Cause Code 5 - PDN - PHP Decision to vary from schedule.

Indicative Cost Calculation Comments: Please refer to Footnote 1. As noted, this calculation is preliminary and indicative only at this stage, as the total actual ADC Differential can only be calculated at year end. If ELIADC revenue contributions are below the actual cost to serve plus \$4/MWh following the results of the year end ADC calculation, an additional payment would be made pursuant to the terms of the Tariff. PHP continued to make additional payments on a monthly basis in January and February 2024 in the form of an additional \$20/MWh per the Board's decision in Matter M10959, these payments amounted to \$2.1 million in Q1. Effective March 1, 2024 the ELIADC energy charge is \$107.29/MWh, as approved by the UARB in M11422, Annually Adjusted Rates for 2024.

(1) The Indicative ADC load shifting Differential equals the delta between the Annually Levelized CBL Energy Charge, \$101.65/MWh for Q2, and the incremental cost to serve PHP's load, to compare the Annually Levelized CBL Energy Charge.

(2) Adjustments relate a provision for the ADC Differential recorded for PHP in Q2 2024 of (\$164K). This adjustment was determined prior to the calculation of the indicative cost to serve PHP and the ADC Differential.

Nova Scotia Power Inc.
Quarterly FAM Reporting
2024 Total Accumulated Unrecovered Invest Nova Scotia Asset Recovery
June 30, 2024
(millions of dollars)

NSPI (FAM) Q-14 NON CONFIDENTIAL

Month	Principal	Quarterly Interest ⁽¹⁾	Monthly Collection from Customers	Quarterly Payment (NS Power to Invest Nova Scotia)	Amount Outstanding to Invest Nova Scotia	Amount Outstanding from Customers
April	117.0		(0.7)		117.0	116.3
May	117.0		(1.3)		117.0	115.1
June	117.0		(1.2)		117.0	113.9
July	117.0	1.3	(1.3)	(3.1)	115.2	114.0
August	115.2		(1.3)		115.2	112.7
September	115.2		(1.1)		115.2	111.6
October	115.2	1.3	(1.2)	(3.6)	112.9	111.7
November	112.9		(1.4)		112.9	110.2
December	112.9		(1.7)		112.9	108.5

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

⁽¹⁾ Interest is based on Invest Nova Scotia annual rate of 4.38% applied Quarterly