

August 13, 2019

Doreen Friis
Regulatory Affairs Officer/Clerk
Nova Scotia Utility and Review Board
1601 Lower Water Street, 3rd Floor
P.O. Box 1692, Unit "M"
Halifax, NS B3J 3S3

Re: Q2 2019 FAM Report

Dear Ms. Friis:

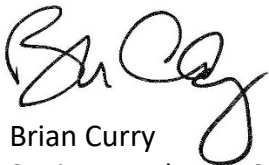
Enclosed is the non-confidential version of the Q2 2019 FAM Report.

The confidential version of this report as well as the FAM Data Cart Index, containing confidential and non-confidential information, and the Q2 2019 Natural Gas Market Update have been uploaded to the Board's confidential website.

The confidential report is covered by the 2019 FAM Confidentiality Undertaking.

Please contact us if you have any questions.

Yours truly,



Brian Curry
Senior Regulatory Counsel

Encl.

c. Judith Ferguson
David Landrigan
Nicole Godbout
FAM Intervenors

Nova Scotia Power Inc.
Quarterly FAM Reporting
As of June 30, 2019

NON-CONFIDENTIAL



(Note - Figures presented reflect whole numbers which may cause \$0.1M or 1% in rounding differences on some line items.)

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Foreign Currency Exchange Program

	2019	2020	2021	2022
\$US Dollar (\$Millions)				
Hedged - \$	\$225	\$168	\$60	\$28
Open - \$	\$47	\$46	\$141	\$151
Total Requirement	\$272	\$214	\$201	\$179
Hedged - \$ Rate	1.2402	1.3146	1.3296	1.3267
Open - \$ Forecasted Rate	1.3300	1.3200	1.3500	1.3600
Total - \$ Blended Rate	1.2556	1.3158	1.3439	1.3548
Hedge %	83%	79%	30%	16%
Open %	17%	21%	70%	84%

Foreign Currency Exchange Program - New Contract Details

Value Date	USD Amount	Rate	CDN Amount	Execution Date
10 Jan 2020	\$6,000,000	1.33887	\$8,033,220	13 May 2019
7 Feb 2020	\$6,000,000	1.33830	\$8,029,800	13 May 2019
10 Mar 2020	\$6,000,000	1.33765	\$8,025,900	13 May 2019
8 Apr 2020	\$6,000,000	1.33890	\$8,033,400	13 May 2019
8 May 2020	\$6,000,000	1.33830	\$8,029,800	13 May 2019
7 Aug 2020	\$7,000,000	1.33697	\$9,358,790	13 May 2019
10 Jun 2020	\$10,000,000	1.33765	\$13,376,500	14 May 2019
10 Jul 2020	\$10,000,000	1.33715	\$13,371,500	14 May 2019
25 Mar 2021	\$6,000,000	1.33020	\$7,981,200	16 May 2019
23 Apr 2021	\$6,000,000	1.33185	\$7,991,100	16 May 2019
25 May 2021	\$6,000,000	1.32940	\$7,976,400	16 May 2019
25 Jun 2021	\$6,000,000	1.33128	\$7,987,680	16 May 2019
26 Jul 2021	\$6,000,000	1.32895	\$7,973,700	16 May 2019
25 Aug 2021	\$6,000,000	1.33078	\$7,984,680	16 May 2019
11 Jan 2021	\$6,000,000	1.32955	\$7,977,300	21 May 2019
10 Feb 2021	\$6,000,000	1.32925	\$7,975,500	21 May 2019
10 Sep 2021	\$6,000,000	1.32730	\$7,963,800	21 May 2019
12 Oct 2021	\$6,000,000	1.32705	\$7,962,300	21 May 2019
25 Jan 2022	\$7,000,000	1.32680	\$9,287,600	22 May 2019
25 Feb 2022	\$7,000,000	1.32670	\$9,286,900	22 May 2019
25 Mar 2022	\$7,000,000	1.32660	\$9,286,200	22 May 2019
20 Apr 2022	\$7,000,000	1.32650	\$9,285,500	22 May 2019

Generation and Purchased Power Statistics

	Q1		Q2		Q3		Q4		Current period Year-to-date	Prior period Year-to-date	Budget* Year-to-date
	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget			
Net Generation (MWh)											
Lingan											
Unit #1											
Gross	263,738	237,284	139,430	112,963	-	43,984	-	78,117	403,169	317,031	350,247
Station Service	(15,568)	-	(9,951)	-	-	-	-	-	(25,520)	(20,652)	-
Net	248,170	237,284	129,479	112,963	-	43,984	-	78,117	377,649	296,379	350,247
Unit #2											
Gross	227,314	-	80,025	-	-	-	-	0	307,339	294,933	-
Station Service	(14,051)	-	(6,221)	-	-	-	-	-	(20,272)	(19,793)	-
Net	213,263	-	73,804	-	-	-	-	0	287,067	275,139	-
Unit #3											
Gross	269,300	230,491	70,557	114,565	-	151,558	-	168,123	339,857	336,379	345,057
Station Service	(16,970)	-	(5,131)	-	-	-	-	-	(22,100)	(24,166)	-
Net	252,330	230,491	65,426	114,565	-	151,558	-	168,123	317,757	312,213	345,057
Unit #4											
Gross	291,161	298,863	88,937	167,629	-	98,954	-	192,332	380,098	313,068	466,492
Station Service	(18,007)	-	(6,137)	-	-	-	-	-	(24,144)	(22,330)	-
Net	273,153	298,863	82,800	167,629	-	98,954	-	192,332	355,954	290,738	466,492
Pt. Aconi											
Gross	291,378	352,699	322,776	209,539	-	295,526	-	294,884	614,154	652,499	562,238
Station Service	(32,402)	-	(34,454)	-	-	-	-	-	(66,856)	(68,890)	-
Net	258,976	352,699	288,322	209,539	-	295,526	-	294,884	547,299	583,609	562,238
Pt. Tupper											
Gross	317,774	248,281	23,059	180,099	-	139,005	-	232,235	340,834	495,980	428,381
Station Service	(15,714)	-	(1,215)	-	-	-	-	-	(16,929)	(29,458)	-
Net	302,060	248,281	21,844	180,099	-	139,005	-	232,235	323,905	466,522	428,381
Trenton											
Unit #5											
Gross	287,735	102,488	191,957	107,384	-	66,876	-	37,364	479,692	422,749	209,872
Station Service	(19,426)	-	(14,204)	-	-	-	-	-	(33,630)	(30,809)	-
Net	268,309	102,488	177,753	107,384	-	66,876	-	37,364	446,062	391,940	209,872
Unit #6											
Gross	329,659	300,848	279,555	80,448	-	119,438	-	229,032	609,213	569,515	381,296
Station Service	(20,816)	-	(19,585)	-	-	-	-	-	(40,401)	(39,225)	-
Net	308,843	300,848	259,970	80,448	-	119,438	-	229,032	568,812	530,290	381,296
Point Tupper Biomass											
Gross	21,844	1,166	36,049	774	-	4,089	-	2,596	57,893	98,166	1,941
Station Service	(6,414)	-	(6,753)	-	-	-	-	-	(13,167)	(15,856)	-
Net	15,431	1,166	29,295	774	-	4,089	-	2,596	44,726	82,310	1,941
Tufts Cove											
Unit #1											
Gross	33,564	32,628	16,671	2,243	-	16,582	-	-	50,236	76,479	34,871
Station Service	(2,773)	-	(1,698)	-	-	-	-	-	(4,472)	(6,072)	-
Net	30,791	32,628	14,973	2,243	-	16,582	-	-	45,764	70,408	34,871
Unit #2											
Gross	23,551	33,707	21,879	66,609	-	26,237	-	6,979	45,431	101,481	100,316
Station Service	(1,738)	-	(1,607)	-	-	-	-	-	(3,344)	(6,364)	-
Net	21,814	33,707	20,273	66,609	-	26,237	-	6,979	42,086	95,117	100,316
Unit #3											
Gross	152,147	64,374	183,835	6,615	-	6,066	-	15,221	335,982	310,080	70,989
Station Service	(8,932)	-	(9,639)	-	-	-	-	-	(18,571)	(16,059)	-
Net	143,215	64,374	174,197	6,615	-	6,066	-	15,221	317,411	294,021	70,989
LM 6000 (Tufts Cove #4)											
Gross	32,207	15,617	51,253	23,544	-	26,901	-	29,217	83,460	116,810	39,161
Station Service	(3,374)	-	(3,894)	-	-	-	-	-	(7,268)	(8,525)	-
Net	28,833	15,617	47,359	23,544	-	26,901	-	29,217	76,192	108,285	39,161
LM6000 (Tufts Cove #5)											
Gross	36,206	17,847	64,217	23,330	-	33,178	-	30,316	100,424	116,414	41,178
Station Service	-	-	(597)	-	-	-	-	-	(597)	(779)	-
Net	36,206	17,847	63,620	23,330	-	33,178	-	30,316	99,827	115,635	41,178
LM6000 (Tufts Cove #6)											
Gross	16,184	9,504	32,126	12,214	-	17,446	-	17,305	48,310	59,894	21,718
Station Service	-	-	-	-	-	-	-	-	-	-	-
Net	16,184	9,504	32,126	12,214	-	17,446	-	17,305	48,310	59,894	21,718
Total CTs											
Gross	3,348	83	1,066	8	-	-	-	-	4,414	4,783	91
Station Service	(551)	-	(353)	-	-	-	-	-	(904)	(901)	-
Net	2,797	83	713	8	-	-	-	-	3,510	3,882	91
Total Hydro											
Gross	295,120	323,317	352,023	295,005	-	93,253	-	265,990	647,143	593,937	618,322
Station Service	(1,787)	-	(2,237)	-	-	-	-	-	(4,025)	(3,043)	-
Net	293,333	323,317	349,785	295,005	-	93,253	-	265,990	643,118	590,894	618,322
Total NSPI Wind											
Gross	78,193	68,504	59,907	61,479	-	52,520	-	76,995	138,100	142,784	129,983
Station Service	(48)	-	(6)	-	-	-	-	-	(55)	(154)	-
Net	78,145	68,504	59,901	61,479	-	52,520	-	76,995	138,046	142,630	129,983
Total Generation											
Gross	2,970,424	2,337,701	2,015,324	1,464,449	-	1,191,613	-	1,676,705	4,985,748	5,022,984	3,802,151
Station Service	(178,572)	-	(123,683)	-	-	-	-	-	(302,254)	(313,078)	-
Net	2,791,852	2,337,701	1,891,641	1,464,449	-	1,191,613	-	1,676,705	4,683,494	4,709,905	3,802,151
Purchases											
Imports	140,800	173,414	228,916	448,996	-	598,057	-	352,791	369,716	147,561	622,410
Maritime Link	-	376,668	-	221,764	-	223,737	-	329,065	-	-	598,432
IPP/COMFIT	532,795	545,057	396,286	440,881	-	395,955	-	554,094	929,081	980,045	985,938
Total KWh Available	3,465,447	3,432,841	2,516,844	2,576,090	-	2,409,362	-	2,912,655	5,982,291	5,837,512	6,008,931
Less Export Sales											
Losses (Export Sales)	(76,321)	(29,500)	(7,621)	(2,500)	-	(1,000)	-	(17,000)	(83,942)	(65,558)	(32,000)
	(3,896)	-	(247)	-	-	-	-	-	(4,143)	(2,345)	-
Net System Requirement	3,385,230	3,403,341	2,508,976	2,573,590	-	2,408,362	-	2,895,655	5,894,206	5,769,609	5,976,931
Less GRLF requirement											
	(2,195)	(5,652)	(8,769)	(7,585)	-	(6,596)	-	(4,088)	(10,965)	(3,460)	(13,237)
Less Load Retention	(217,901)	(247,871)	(205,845)	(268,949)	-	(272,646)	-	(268,802)	(423,746)	(537,232)	(516,820)
Less Shore Power	-	-	(0)	(91)	-	(606)	-	(304)	(0)	(60)	(91)
Less 1PT RTP	(862)	(300)	(2,215)	(2,093)	-	(3,762)	-	(3,619)	(3,077)	(3,807)	(2,392)
Less Back Up/Top Up	(4,300)	-	(6,470)	-	-	-	-	-	(10,771)	(10,685)	-
Less Mersey Basic Block	-	-	-	-	-	-	-	-	-	-	-
Less Losses **	(216,420)	(242,434)	(132,015)	(155,236)	-	(131,401)	-	(196,516)	(348,435)	(327,682)	(397,670)
Net Requirement	2,943,551	2,907,084	2,153,661	2,139,638	-	1,993,351	-	2,422,326	5,097,212	4,886,682	5,046,722

Note: LM6000 (Tufts Cove #6) budgeted generation is combined with Tufts Cove # 4 and Tufts Cove #5.
*Budget reflects the 2019 BCF Refresh Budget of \$653.7M
**Includes losses for all customer classes, with the exception of Export Sales.

Mercury Additive Details for Current Quarter and Year to Date

Generating Plant	Additive Type	~ Quarter ~				~ Year To Date ~			
		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		L				L		
Point Tupper	Calcium Chloride		L				L		
Trenton (all units)	Calcium Chloride		L				L		
Total Costs (Powder Activated Carbon)		736,882	kgs	\$1.585		2,327,679	kgs	\$5.026	
Total Costs (Calcium Chloride)		142,960	L	\$0.053		540,468	L	\$0.199	
Total Costs (All Additives)				\$1.637				\$5.225	

^a Calculated using actual MWh produced by unit.

NSPI Environmental Report for Mercury Emissions ^b

Annual Limit = 65 kg ^c

Quarter	Reported This Quarter, kg	Reported Last	Variance, kg	Reason for Variance
Q1	27.6 ^d	27.4 ^d	0.2	Estimated data updated with actual data
Q2	9.9	0.0	0.0	
Q3	0.0	0.0	0.0	
Q4	0.0	0.0	0.0	
Year to Date	37.5			

^b As reported by NSPI's Environmental Services.

^c Province of Nova Scotia Air Quality Regulations - Schedule C section 3(2).

^d This value is an estimate based on incomplete laboratory results and consumption figures. Environmental Services will finalize this result at year-end.

NSPI Environmental Report for Mercury Diversion Program

	Verified Credits ^e	Unverified Credits	Total Verified + Unverified Credits	Credits Used ^f
2015	2.3		2.3	
2016	19.7		19.7	
2017	44.8		44.8	
2018	58.1		58.1	
Current Yr Q1		2.9	2.9	
Current Yr Q2		3.0	3.0	
Current Yr Q3		0.0	0.0	
Current Yr Q4		0.0	0.0	
Year to Date	124.9	5.9	130.8	

^e 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.

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

Nova Scotia Utility and Review Board

IN THE MATTER OF *The Public Utilities Act*, R.S.N.S. 1989, c.380, as amended

2019 Maritime Link Benefits Report Q2

NS Power

August 13, 2019

REDACTED

**Q2 Maritime Link Benefits Report
REDACTED**

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**Q2 Maritime Link Benefits Report
REDACTED**

1.0 INTRODUCTION

As part of the Consensus Agreement approved by the Nova Scotia Utility and Review Board (UARB or Board) with respect to Nova Scotia Power Incorporated's (NS Power or Company) 2017-2019 Fuel Stability Plan (FSP) and Base Cost of Fuel (BCF) Application, NS Power agreed to track the benefits realized for customers from the Maritime Link prior to the start of the Nova Scotia Block and provide such information to customers on no less than a quarterly basis. Please accept this report as NS Power's second quarter report (Q2) for 2019 in relation to Maritime Link benefits tracking.

As outlined in the Company's first quarter (Q1) report for 2019, the Maritime Link was in-service throughout 2018 and year to date 2019 and has provided NS Power access to a new market, reliability and system loss reductions as well as providing quantifiable benefits related to energy transactions and ancillary services. The Maritime Link continues to provide long term strategic benefits to Nova Scotia and the Atlantic Region, and NS Power remains committed to achieving those benefits for customers in 2019 and beyond. NS Power will also continue working towards creating incremental value above the Nova Scotia Block and promoting the economic and reliability benefits associated with the Maritime Link.

In accordance with the Board's Decision dated June 11, 2018 on the confidentiality of the Maritime Link Benefits Quarterly Tracking Report, NS Power provides the amount of energy flowing over the Maritime Link (megawatts not dollar amounts) each quarter on a non-confidential basis. Details of total benefits achieved in 2019 will be provided in the 2019 Q4 Report.

NS Power confirms that during Q2 2019, 19,726 MWh flowed over the Maritime Link. NS Power has determined that the Company has achieved a total of [REDACTED] in quantified benefits for customers associated with the Maritime Link in Q2 2019, which compares to [REDACTED]. Year to date benefits in 2019 equate to [REDACTED]. The specific details with respect to the quantifiable benefits achieved in Q1 and Q2 2019 are provided in Confidential Appendix A.

**Q2 Maritime Link Benefits Report
REDACTED**

2.0 Q2 2019 MARITIME LINK BENEFITS

2.1 Q2 2019 Benefits

In Q2 2019, NS Power sent to and received from Nalcor Energy Marketing Corporation (Nalcor) a total of [REDACTED] of energy through bilateral transactions. NS Power continues to be actively engaged in discussions with Nalcor in pursuit of benefits associated with the use of the Maritime Link on behalf of customers.

2.2 Additional Commentary

Nalcor and NS Power continue to work closely together to achieve incremental value on the Maritime Link. In most of the commercial transactions in Q2, energy flowed from Newfoundland to Nova Scotia. Opportunities in Q2 were less than in Q1 due to warmer weather reducing overall energy requirements. A potential benefit for NS Power in 2019 continues to be the provision of energy to offset the operation of Holyrood in colder periods. This will depend on Labrador Island Link and weather/load in Q4.

NS Power sold and purchased from Nalcor [REDACTED] of energy for the month of April, 2019, [REDACTED] of energy for the month of May and [REDACTED] of energy for the month of June, 2019.

Value was also created through the sale of wheel-through transmission from the New Brunswick border to Bottom Brook, Newfoundland; [REDACTED] in April, 2019, [REDACTED] in May, 2019, and [REDACTED] in June, 2019.

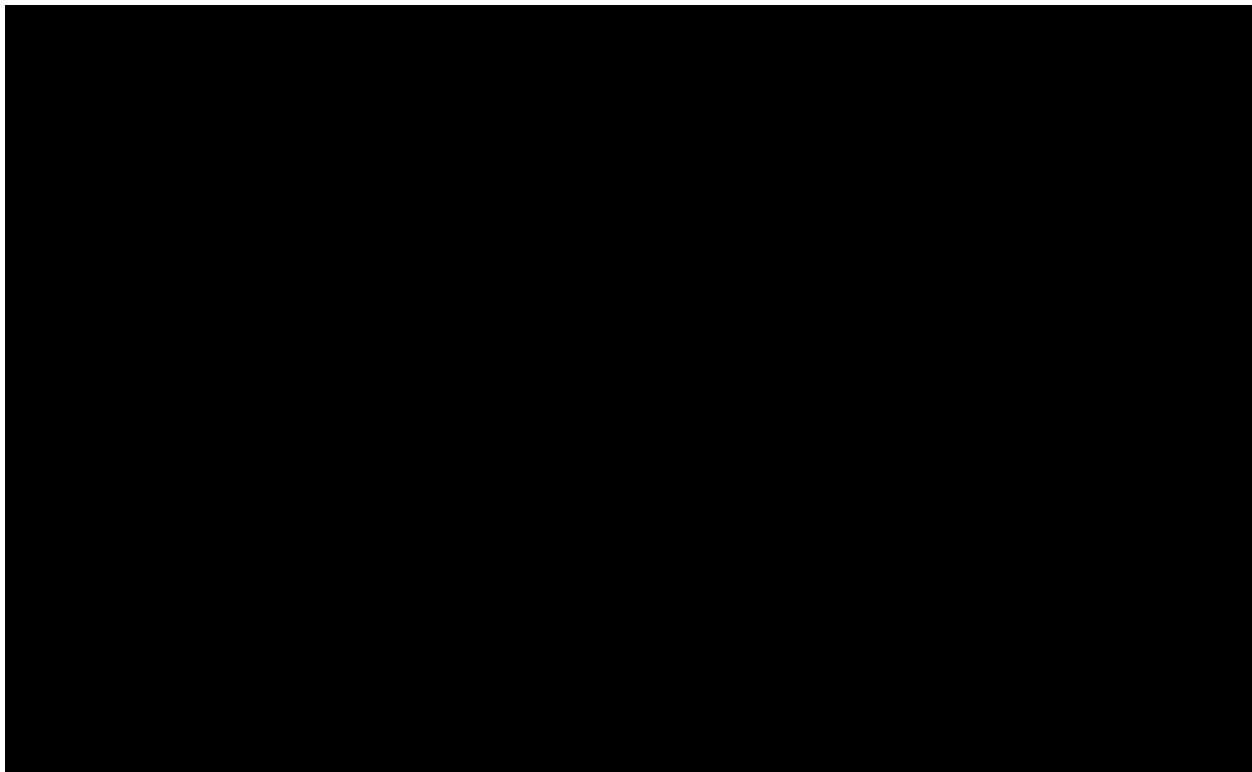
**Q2 Maritime Link Benefits Report
REDACTED**

1

Appendix A

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Q1 & Q2 2019 Net Benefits



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