Requirement:

Fuel and purchased power costs.

A. Provide the latest detailed fuel forecast for test year in the same format and level of detail as the 2013 rate case (P-893). Identify the date and price of the forward price curve data used for HFO and natural gas forecasts. Also provide the PLEXOS runs used to compute the fuel and purchased power costs for the test year(s).

Submission:

Please refer to Confidential Attachments 1 and 2 (electronic) for the detailed fuel forecasts for 2026 and 2027.

Please refer to Confidential Attachment 3 (electronic) for the PLEXOS runs.

2026-2027 GRA OE-01A Confidential Attachment 1 has been removed due to confidentiality.

2026-2027 GRA OE-01A Confidential Attachment 2 has been removed due to confidentiality.

2026-2027 GRA OE-01A Confidential Attachment 3 has been removed due to confidentiality.

Requirement:

Fuel and purchased power costs.

Provide the current forecast of fuel burn levels for each plant for the current year and the test year(s). Include projections for each fuel type, MMBtu consumed, % sulphur in the fuel, tonnes of SO_2 emitted, $ (dollars) for each fuel type, and $/MMBtu for each fuel type. Provide additional information to indicate the future solid fuel requirements for 3 years beyond the test year(s).

Submission:

For 2025, please refer to OE-01B Confidential Attachment 1 (electronic). For 2026-2027, please refer to OE-01A Confidential Attachments 1 and 2 (summary and plant station fuel costs) for test year fuel burn levels.

For 2025 and 2026, SO_2 emissions will not exceed 45 ktonnes. For 2027, SO_2 emissions will not exceed 40 ktonnes.

Please refer to OP-07 for the percentage of sulphur in the fuels.

Please refer to OE-01E Confidential Attachment 1 for future solid fuel requirements.

2026-2027 GRA OE-01B Confidential Attachment 1 has been removed due to confidentiality.

Requirement:

Fuel and purchased power costs.

Provide fuel costs per MWh for the past year (actual), current year (forecast) and test year. Provide the substantiating detail for the fuel costs for each of these years; such detail should include all of the individual fuel cost components as follows, on a cost per MWh basis, and a total dollar basis:

i. **Costs for import coal**
ii. **Costs for domestic coal**
iii. **Costs for petcoke**
iv. **Costs for oil**
v. **Costs for natural gas used**
vi. **Costs for biomass**
vii. **Credits from the sale of natural gas**
viii. **Costs for purchased power, and**
ix. **Solid fuel transportation costs**

Submission:

Please refer to Confidential Attachments 1 and 2.

2026-2027 GRA OE-01C Confidential Attachment 1 has been removed due to confidentiality.

2026-2027 GRA OE-01C Confidential Attachment 2 has been removed due to confidentiality.

Requirement:

Fuel and purchased power costs.

Provide, for the last two years, the history of fossil fuel use, by fuel type, by fuel qualities, by MMBtu contribution, and by cost of fuel.

Submission:

Please refer to Confidential Attachment 1.

2026-2027 GRA OE-01D Confidential Attachment 1 has been removed due to confidentiality.

Requirement:

Fuel and purchased power costs.

Provide a summary of the current fuel contract status for each fuel (domestic coal, petcoke, low-sulphur coal, mid-sulphur coal, high-sulphur coal, heavy fuel oil, natural gas, biomass), and by fuel supplier, for the next five years. Show for each fuel both the amount of fuel already under contract for each year, as well as the balance of open or uncontracted fuel for each year. Include the sulphur content of the fuels as appropriate.

Submission:

Please refer to Confidential Attachment 1.

2026-2027 GRA OE-01E Confidential Attachment 1 has been removed due to confidentiality.

Requirement:

Provide a copy of the latest Fuel Manual.

Submission:

Please refer to Confidential Attachment 1.

2026-2027 GRA OE-01F Confidential Attachment 1 has been removed due to confidentiality.

Requirement:

Provide the test year monthly quantities of fossil fuels projected to replace the natural gas under contract that is assumed to be sold, rather than used by NS Power. Provide the calculations that support NS Power's fuel cost savings of buying these replacement fuels, as compared to NS Power using the quantities of natural gas under contract using PLEXOS reports.

Submission:

This Standardized Filing Component was originally completed prior to 2010 when NS Power had a long-term gas supply agreement in place and gas was often resold and other, more economic fuels were consumed instead. NS Power no longer has excess gas supply that is sold rather than used on a planned basis. This practice ceased with the expiry of the Shell long-term supply agreement in November 2010.

Requirement:

For the test year forecast (proposed rates) provide the solid fuel commodity costs, transportation costs to move the solid fuel to Nova Scotia, foreign exchange, and the costs to move the solid fuels within Nova Scotia to each of the generating stations. Show each cost component separately for the various solid fuels used at each NS Power generating plant. Include in the response a calculation of the fuel price in $/MMBtu for each component of the fuel price, so that the final plant-delivered cost is that used as input to the Plexos run. Include sources used to derive the requested data, and the date the forecast was prepared.

Submission:

Please refer to Confidential Attachment 1 (electronic).

2026-2027 GRA OE-01H Confidential Attachment 1 has been removed due to confidentiality.

Requirement:

Provide a summary of the current fuel transportation contract status for each fuel, and by transportation provider, for the next five years. Show for each fuel both the amount of fuel transportation already under contract for each year, as well as the balance of open or un-contracted fuel transportation for each year.

Submission:

Please refer to Confidential Attachment 1.

Please note that NS Power does not have a forecast for solid fuel volumes beyond 2027.

2026-2027 GRA OE-01I Confidential Attachment 1 has been removed due to confidentiality.

Requirement:

For each fuel, describe (qualitatively and quantitively) any hedging programs in place, current year hedge positions, and any hedging programs planned for the test year.

Submission:

Please refer to Confidential Attachment 1, OE-01E Confidential Attachment 1 and to the GRA Direct Evidence in Section 5.

2026-2027 GRA OE-01J Confidential Attachment 1 has been removed due to confidentiality.

Requirement:

Provide forecast price calculations for uncommitted tonnages of solid fuels for the test year(s).

Submission:

Please refer to Confidential Attachment 1.

2026-2027 GRA OE-01K Confidential Attachment 1 has been removed due to confidentiality.

Requirement:

Provide data showing how much gas was contracted to be supplied, how much was used (show separately the volumes burned in the combustion turbines at Tufts Cove, and those volumes burned in the steam units and biomass plant), how much was available for sale, and how much was sold, by month for the past year (actual), present year (forecast), and test year(s).

Submission:

Please refer to Confidential Attachment 1.

2026-2027 GRA OE-01L Confidential Attachment 1 has been removed due to confidentiality.

Requirement:

Provide information on all fuel related Affiliate Transactions for the last two years actual.

Submission:

Goods/Service Provider	Goods/Service Receiver	CAD $ Value	Short Description
NS Power	NS Power Energy Marketing Inc.	[redacted]	2024 - Gas Sales
Emera Energy	NS Power	[redacted]	2024 - Gas Purchased
Brooklyn Power Corporation	NS Power	[redacted]	2024 – Power Purchased
NSP Maritime Link Inc.	NS Power	$161,674,154	2024 – Assessment Charges
NSP Maritime Link Inc.	NS Power	$(485,900,000)	2024 – Refund of Previous Assessment Charges
NS Power Energy Marketing Inc.	NS Power	[redacted]	2024 – Gas Purchased
NS Power Energy Marketing Inc.	NS Power	[redacted]	2024 – Power Purchased
NS Power Energy Marketing Inc.	NS Power	[redacted]	2024 – Power Purchase Fees
NS Power	Emera Energy	[redacted]	2023 – Foreign Exchange Translation for a December 2022 Gas Sale
NS Power	NS Power Energy Marketing Inc.	[redacted]	2023 – Gas Sales
NS Power	NS Power Energy Marketing Inc.	[redacted]	2023 – Power Sales
Emera Energy	NS Power	[redacted]	2023 – Gas Purchased
Brooklyn Power Corporation	NS Power	[redacted]	2023 – Power Purchased

NSP Maritime Link Inc.	NS Power	$162,588,761	2023 – Assessment Charges
NS Power Energy Marketing Inc.	NS Power	[redacted]	2023 – Gas Purchased
NS Power Energy Marketing Inc.	NS Power	[redacted]	2023 – Power Purchased
NS Power Energy Marketing Inc.	NS Power	[redacted]	2023 – Power Purchase Fees
NS Power Energy Marketing Inc.	NS Power	[redacted]	2023 – Power Sales Fees

Requirement:

Provide a copy of the latest Fuel Supply or Transportation Studies conducted since the last rate filing.

Submission:

Please refer to Confidential Attachment 1.

2026-2027 GRA OE-01N Confidential Attachment 1 has been removed due to confidentiality.

Requirement:

Provide details on Import and Export Power Calculations over the standard financial timeframes.

Submission:

Please refer to Attachment 1.

Nova Scotia Power Inc
Details on Exports and Import Power
Millions of dollars

	(1) Actual 2023	(2) Actual 2024	(3) 2025 GRA	(4) 2026 GRA	(5) 2027 GRA
Export Power					
Sales (GWh)					
Generation	7.7	(0.0)	1.9	13.5	21.7
Losses	(0.0)	(0.0)	-	-	-
Sales (Billed)	7.7	-	1.9	13.5	21.7
Sales ($Ms)	$0.5	$0.0	$0.0	$0.0	$0.0
Cost of Sales					
Lingan	0.1	-			
Trenton	0.1	-			
Pt Tupper	-	-			
Pt Aconi	0.0	-			
Tufts Cove	0.1	-			
LM6000s	0.1	-			
Combustion Turbines	0.2	-			
Purchased Power	0.0	-			
	$0.6	$0.0	$0.0	$0.0	$0.0
Net Margin on Exports	($0.1)	$0.0	$0.0	$0.0	$0.0
Import Power					
Purchases (GWh)	1,254.4	1,075.2	1,316.0	1,417.8	1,435.1
Cost of Purchases ($Ms)	$59.8	$98.2	$106.8	$94.7	$90.0

Note: For 2025- 2027, battery losses make up the entire export volume. The related costs are captured in the total fuel and purchased power cost.

Note: Import Power figures do not include GWh from the Maritime Link Nova Scotia and Supplemental Blocks.

Requirement:

Provide information on current Force Majeure issues or other known disputes that may impact fuel deliveries.

Submission:

There are currently no Force Majeure issues, or other known disputes that may impact fuel deliveries.

Requirement:

Provide a table showing the calculation of the cost and recoveries for Fuel for Resale for the current year, test year(s), and the most recent five years of data. In the table, address each of the key elements in the calculation.

Submission:

Please refer to Confidential Attachment 1.

2026-2027 GRA OE-01Q Confidential Attachment 1 has been removed due to confidentiality.

Requirement:

Current approved FAM Plan of Administration.

Submission:

Please refer to Partially Confidential Attachment 1.

Nova Scotia POWER An Emera Company

Fuel Adjustment Mechanism Plan of Administration in Effect for 2023-2024

May 8, 2023

NS Power
FUEL ADJUSTMENT MECHANISM
PLAN OF ADMINISTRATION IN EFFECT FOR 2023-2024
May 8, 2023

Table of Contents

1.0 GENERAL DESCRIPTION

This document describes the plan for administering Nova Scotia Power Inc.'s (NS Power) Fuel Adjustment Mechanism (FAM), which was approved by the Nova Scotia Utility and Review Board (Board) in its decision letter issued on December 11, 2008. The FAM provides for the recovery of fuel and purchased power costs beginning January 1, 2009.

The Plan of Administration (POA) outlines the application and operation of the FAM. The Base Cost of Fuel will be calculated as set out in Section 2 "FAM COMPONENTS".

The Base Cost of Fuel can be reset in a General Rate Application (GRA), every second year as part of the FAM adjustment process, or as directed by legislation or an order of the Board. A forecast of costs and load for each test year will be used to set the Base Cost of Fuel. During the 2023-2024 GRA Period, the Base Cost of Fuel is set below full recovery of the forecast costs over the two test years: 2023 and 2024. The change in the Base Cost of Fuel will be reflected in customers' rates going forward and will be applied to each customer class in a manner consistent with the Cost of Service Study (COSS). In addition, the under-recovery balance from the prior fuel stability period of 2020-2022 will be deferred for recovery in future FAM AA/BA riders and there will be no FAM AA/BA rider in effect for 2023.

Stakeholders shall have the opportunity (and access to information) to challenge the implementation of the methodology and the contents of any forecast prior to its use in re-setting the Base Cost of Fuel. Both the implementation of the methodology and the forecasts will be the subject of a formal Board proceeding in which stakeholders will have their current rights as in general rate cases.

Stakeholders shall have the opportunity to challenge NS Power's fuel costs (and to secure access to information) at each annual or applicable hearing before the Board consistent with their current rights in general rate cases. The Board will also subject NS Power's FAM accounts to audits as per section 5.0 "Audit and Oversight" and as it deems appropriate.

The FAM will pass through the difference between actual costs and the Base Cost of Fuel to customers calculated on a ¢/kWh basis.

Interest will be added to all over/under-balance amounts and calculated at NS Power's Annual Weighted Average Cost of Capital (WACC).

The FAM will recover fuel cost changes resulting from over/under-recovery amounts, including an Actual Adjustment (AA) and a Balancing Adjustment (BA) for each rate class. The FAM adjustment is the difference between actual fuel cost and the Base Cost of Fuel) and will be calculated on a ¢/kWh basis.

2.0 FAM COMPONENTS

Each January 1 through December 31 period shall constitute a distinct FAM year. Under the FAM, an adjustment will normally be calculated once per year to reflect the over/-under recovery.

The FAM adjustment will consist of two components designed to provide for the recovery of fuel and purchased power costs. Those components are:

1. The Actual Adjustment Component (AA)

   a. Established at a rate expected to recover the amount of the difference between the prior FAM year's actual fuel and purchased power costs and those recovered through the Base Cost of Fuel Component to the end of September of the prior year and October to December of the year before that, making 12 months of actuals.

2. The Balancing Adjustment Component (BA)

   a. The Balancing Adjustment Component will provide for a correction to ensure that over/under-recovery produced by the Actual Adjustment Component is tracked and refunded to or recovered from customers.

   b. The Balancing Adjustment Component may also include, subject to specific Board approval, deferrals of fuel and purchased power costs existing at the time of FAM adoption or that result from any future Board decision.

3.0 CALCULATION OF THE FAM RATE

NS Power's FAM is a forecasted base fuel rate operating on an annual cycle that includes an over/under recovery mechanism consisting of an Actual Adjustment (AA) and Balance Adjustment (BA).

The following formula will be used to determine the fuel adjustment factor (Fuel Adjustment Factor) for each upcoming FAM period:

Fuel Adjustment Mechanism Formula = AA + BA

Where:

1. AA is the Actual Adjustment that accounts for any differences between revenues collected through the application of the FAM during the previous one year period and actual Fuel Costs for each rate class (adjusted for the FAM incentive on an overall fuel cost basis) for the same one year period.

   The AA rate is calculated for the following year on the basis of the over- or under-recovery of the Base Cost of Fuel at the end of September (year 1). Any over- or under-recovery from October to December will not be included in the rate calculation and will be deferred for recovery until the year subsequent to the following year (year 3). The actual AA starting balance for the following year (year 2) is the over- or under-recovery of the Base Cost of Fuel at the end of December (year 1).

2. BA is the Balance Adjustment that accounts for any over- or under-recovery amounts resulting from prior adjustments. The BA will also be the mechanism used to manage any deferred fuel and purchased power costs approved by the Board for inclusion in the BA.

The BA rate is calculated for the following year (year 2) on the basis of the over- or under-recovery of the Actual Adjustment and Balance Adjustment at the end of September (year 1). The actual BA starting balance for the following year (year 2) is the over- or under-recovery of the Actual Adjustment and Balance Adjustment at the end of December (year 1).

Appendix "A" to this Plan of Administration titled "Sample FAM Calculations", provides a step by step detailed calculation of the overall Base Cost of Fuel, Actual Adjustment (AA), and Balancing Adjustment (BA) for a sequence of years starting in 2009. The applicable calculations illustrated in Appendix "A" will be used as outlined in the FAM Tariff in Appendix E.

Calculation of the Actual Adjustment Factor (AA) and Balancing Adjustment Factor (BA) FAM components will follow the fuel-related cost allocation methodology.

Actual (i.e. after the fact) fuel-related costs will be allocated in the same manner as the test year fuel-related costs used in setting base rates. In summary, this procedure will operate as follows:

1. A portion of the total fuel-related costs will be assigned to the following categories of non-FAM classes based on their fuel costing principles:

    a. The below-the-line bundled service rates for Generation Replacement and Load Following (GRLF), 1P-RTP and Shore Power classes.

    b. The Extra-Large Industrial Active Demand Control (ELIADC) class.

    c. The unbundled tariffs: Open Access Transmission Tariff (OATT), Wholesale Market Backup/Top-up Service Tariff (BUTU), Energy Balancing Service Tariff (EBS), Renewable to Retail Market Transition Tariff (RTT).

d. All remaining fuel-related costs will be allocated to ATL classes.

2. For ATL classes, NS Power's fuel costs will be classified as 100 percent energy-related. These costs will be allocated to each class based on its relative contribution to monthly energy requirement.

3. Fuel costs assigned to the Wholesale Market Non-Dispatchable Supplier Spill Tariff and Wholesale Market Backup/Top-up tariff will be based on avoidable fuel costs.

4. Purchased power and Import costs will be classified to demand and energy as follows.

a. In-province purchased power from wind generation will be segregated between Energy Resource Interconnection Service (ERIS) and Network Resource Interconnection Service (NRIS). Their classification between energy and demand related services will reflect concurrent generation planning practice of NS Power. For the rate setting purposes of the 2023-2024 GRA Period the Company attributed to demand 18% of installed wind capacity of NRIS projects and 18% of ERIS projects.

b. In-province purchased power from biomass generation will be classified between energy and demand in the same proportion as classification of total costs of the Port Hawkesbury biomass plant.

c. In-province purchased power from all other sources than wind and biomass will be classified to demand and energy in the same manner as to NS Power's fixed cost base load generation.

d. Maritime Link imports under Nova Scotia Block will be classified to energy and demand on the basis of the system load factor associated with the above-the-line (FAM) classes.

e. Non-firm imports will be all classified to energy.

The demand-related portion of these costs will be allocated to each class based upon its relative coincident contribution to the three monthly system peaks (3CP) occurring in December, January and February. The energy portion of these costs, with the exception of the non-firm imports, will be allocated to each class based on its relative contribution to annual energy requirement. Non-firm imports will be allocated to each class based on its relative contribution to monthly energy requirements.

5. Export revenues are allocated to ATL classes based on monthly energy requirements.

6. In order to ensure that allocated fuel-related costs are aligned with the revenue expected from approved rates for each class, the costs will be scaled up or down using the revenue-to-cost ratio (R/C ratio) for each class. The resultant costs by class will then be reconciled to the total ATL fuel-related costs based on their relative share of the total fuel costs.

7. The interest amount on the over- or under-recovery of fuel costs is apportioned to the individual rate classes at the end of the year on an annual basis using the following approach:

a. In a year where the interest amount owed to customers by NS Power at the end of September coincides with an over-recovery of fuel costs to the end of September in that year, or where the interest amount owed by customers to NS Power at the end of September coincides with an under-recovery of fuel costs to the end of September in the year, the interest amount will be apportioned to each class based on its relative share of the year-end fuel cost variance during that year.

b. In a year where there is an interest balance owed to customers even though there has been an under-recovery of fuel costs to the end of September, or there is an interest balance owed to NS Power even though there was an over-recovery of fuel costs, NS Power will apportion the outstanding interest balance to each rate class on the basis of the relative class shares in the actual annual fuel cost incurred by NS Power.

The apportioned interest expense or credit is added to the fuel cost variance by class to provide the total fuel and interest (over)/under-recovery amount by class.

In order to determine the factor to be used as the Actual Adjustment (AA) component of the FAM, fuel-related costs allocated to each class in base rates will be subtracted from actual fuel-related costs allocated to each rate class. The difference in costs will be divided by the forecast energy sales (i.e. excluding line losses) to yield a credit or additional charge (in cents/kWh) that would normally be applied to customers' bills for the subsequent year. For the 2023-2024 GRA Period, the AA/BA credit or charge (in cents/kWh) will be determined in 2023 for 2024 AA/BA riders. Any under/over recovered BCF amounts at the end of September 2023 will be used to determine the AA charge or credit for 2024.

The Balance Adjustment (BA) component of the FAM will be set to recover or refund any under or over-recovery due to prior adjustments. These adjustments may include variances in actual and forecasted sales volumes that were applied to the prior year AA that result in an under or over-recovery, any over- or under-recovered BCF amounts from October to December of the prior year, along with the associated interest component. The BA component may also capture other fuel-related factors subject to Board approval. For the 2024 BA under-recoveries that have been deferred from the prior fuel stability plan 2020-2022 will be included in the balance.

3.1 Treatment of load migrating to non-FAM classes

When a customer transitions some or all of its load from a FAM-class to a non-FAM class, NS Power shall determine the customer's outstanding fuel cost imbalance at the date of transition. This determined imbalance will be adjusted in accordance with UARB decisions in subsequent FAM proceedings relating to the period in question (i.e. FAM AA/BA proceedings or a FAM Audit proceeding). The adjustments will be subject to UARB approval.

The outstanding balance and subsequent adjustments will be paid (or reimbursed) in full on reasonable terms acceptable to the customer and NS Power, or if the parties are unable to agree, as determined by the UARB. Where payment is made over time, the transitioning customer shall pay, in addition, any carrying costs such that remaining customers and NS Power are kept whole.

3.2 Allowable Fuel and Purchased-Power Costs

This section of the POA provides a framework for the fuel and purchased-power costs eligible for recovery through the FAM. Those costs will include allowable fuel expenses plus purchased-power expenses, less revenues from exported power and other fuel- and power-sale revenues.

Allowable fuel expenses will include normal, recurring, non-capital expenses that have been prudently incurred. Discrepancies between the value of measured fuel quantities and the book value of each fuel may also be included if those discrepancies are reasonably supported through surveys, tank level readings and pipeline reports. Exceptional or non-recurring costs appropriately classified as a fuel and purchased power cost will be brought to the attention of the Small Working Group for review for inclusion in the FAM.

NS Power understands that these costs are subject to audit, both internal and external, and to approval by the Nova Scotia Utility and Review Board. Allowable Fuel and Purchased Power Costs will include the following items:

3.2.1 Natural Gas

- Natural Gas Consumed
- Financial Instruments used for Hedging (including gains, losses, fees and interest charges)
- Pipeline Reservation Fees, Tolls, Penalties (such as imbalance charges)
- Pipeline Losses
- Natural Gas Storage Fees
- GHG Emission Compliance Program costs

Costs of this type are normally recorded in the following accounts in NS Power's Chart of Accounts:

502050	REG FUEL GAS CONSUMED
502160	REG FUEL GAS SOLD
502100	REG FUEL GAS CONSUMED FX
502200	REG NATURAL GAS PIPELINE TOLL
502150	REG FUEL GAS CONSUMED COMMODITY DERIVATIVES
502170	REG FUEL GAS PIPELINE LOSSES
504410	REG GRID SALES FUEL NATURAL GAS CLEARING
504400	REG GRID SALES FUEL NATURAL GAS

3.2.2 Solid Fuel

Solid fuel costs are collected into three categories: Inventoried Costs, Costs Directly Applied, and Costs Expensed Through Plant Fuel Handling Adjustments. Those categories include the following costs:

- Inventoried costs
  - Commodity Costs - Coal, Petroleum Coke
  - Financial Instruments used for Hedging (including gains, losses, fees and interest charges)
  - Third-party Quality Testing and Sampling
  - Transportation Costs (e.g. by rail, barge, vessel, truck etc.)
    - Includes loading, unloading, dispatch, demurrage, port fees, draft surveys, marine service fees

- Costs directly applied:
  - Third Party Fuel Handling, Transportation (e.g movement between Long Term Dead Storage/Bear head and plants) and Maintenance related to Coal Piles
  - Storage fees (e.g. lease, handling fees, facility fees)
  - Environmental Compliance Fees (e.g. Provincial Air Emissions Fees)
  - Rail Car Costs (e.g. lease, repair, maintenance)
  - International Pier Operating & Maintenance Costs

- Costs expensed through the Plant Fuel Handling Adjustment:
  - At each thermal coal unit a demarcation point has been defined as the reclaim hoppers. Any solid fuel handling and transportation expenses up until the point of the reclaim hopper are considered a FAM expense. Costs will include the following items:

- NS Power labour and associated costs for Equipment Operators, Mechanics, Supervisors related to fuel handling and Lab Techs related to testing
- Costs associated with measurement of inventory (e.g. surveys, density testing)
- Non-capital materials for fuel handling (e.g. tools, replacement parts for machines)
- Repair costs for fuel handling equipment and infrastructure
- Heavy Equipment operating costs for fuel handling (e.g. rental and fuel)
- PTMT Pier Operating & Maintenance costs

Costs in all three Solid Fuel categories – inventoried, directly applied and expensed through plant fuel handling adjustments – are normally recorded in the following accounts in NS Power's Chart of Accounts:

502250	REG FUEL COAL CONSUMED
502260	REG FUEL COAL CONSUMED IMPORT
502270	REG FUEL COAL CONSUMED DOMESTIC
502290	REG FUEL COAL CONSUMED OTHER
502280	REG FUEL COAL CONSUMED PETCOKE
502350	REG FUEL COAL CONSUMED FUEL TESTING
502300	REG FUEL COAL CONSUMED FX
504050	REG GRID SALES FUEL COAL CONSUMED

3.2.3 Heavy Fuel Oil

- HFO/Bunker Fuel Consumed
- Financial Instruments used for Hedging (including gains, losses, fees and interest charges)
- Quality Testing and Inventory Measurement Costs

- Standby Emergency Response Services and third party compliance program
- Third Party Supervision of Unloading
- Transportation Costs (e.g. rail, barge, vessel, truck etc.)
  - This would include loading, unloading, dispatch, demurrage, port fees, draft surveys, marine service fees
  - GHG Emission Compliance Program costs

Costs of this type are normally recorded in the following accounts in NS Power's Chart of Accounts:

502400	REG FUEL BUNKER C CONSUMED
502460	REG FUEL BUNKER C CONSUMED COMMODITY DERIVATIVES
502450	REG FUEL BUNKER C CONSUMED FX
504100	REG GRID SALES FUEL BUNKER C CONSUMED

3.2.4 Diesel Oil

- Diesel Commodity Consumed
- Transportation Costs
- Quality Testing and Inventory Measurement Costs
- GHG Emission Compliance Program costs

Costs of this type are normally recorded in the following accounts in NS Power's Chart of Accounts:

502500	REG FUEL DIESEL OIL CONSUMED
504450	REG GRID SALES FUEL DIESEL

3.2.5 Light Starter Oil

- LFO (Light Fuel Oil) Commodity Consumed
- Transportation Cost
- Quality Testing and Inventory Measurement Costs
- GHG Emission Compliance Program costs

Costs of this type are normally recorded in the following accounts in NS Power's Chart of Accounts:

502550	REG FUEL LIGHT OIL CONSUMED

3.2.6 Fuel – Additives

- Additives - Ultramag, FireShield, etc.
- Transportation Costs

Costs of this type are normally recorded in the following accounts in NS Power's Chart of Accounts:

502600	REG FUEL ADDITIVES CONSUMED
502650	REG FUEL LIMESTONE CONSUMED
504200	REG GRID SALES MERCURY SORBENT
504250	REG GRID SALES MERCURY SORBENT FX

3.2.7 Fuel – Limestone

- Limestone and related transportation
- Limestone Ash Hauling and Equipment Rentals
- Limestone Royalties
- Water Royalties

Costs of this type are normally recorded in the following account in NS Power's Chart of Accounts:

502650 REG FUEL LIMESTONE CONSUMED

3.2.8 Purchased Power

- Independent Power Producer (IPP) Purchases (e.g. Wholesale Market Non-Dispatchable Spill Tariff) IPP and COMFIT production bonuses and penalties
- Community Feed in Tariff (COMFIT) Purchases
- Developmental Tidal Feed in Tariff (Tidal FIT) Purchases
- Import Power Purchases and associated fees (e.g. transmission tariffs and losses)
- Renewable Energy credits
- Financial Instruments used for Hedging (including gains, losses, fees and interest charges)

Costs of this type are normally recorded in the following accounts in NS Power's Chart of Accounts:

502700 REG PURCHASED POWER
502750 REG PURCHASED POWER FX
502800 REG PURCHASED POWER COMMODITY DERIVATIVES

502850	REG PURCHASED POWER IPP PRE 2001
502950	REG PURCHASED POWER COMFIT SMALL
502900	REG PURCHASED POWER IPP POST 2001
502710	REG PURCHASED POWER INADVERTENT
503050	REG PURCHASED POWER COMFIT LARGE
504300	REG GRID SALES PURCHASED POWER
502720	REG PURCHASED POWER NET METERING

3.2.9 Fuel Biomass

- Biomass Commodity Consumed
- Maintenance and Operating expenses for Fuel Handling (allocation between OM&G and FAM)
- Third Party Quality Testing and Inventory Measurement Costs (e.g. surveys, density testing, sampling)
- Storage fees (e.g. lease, handling fees, facility fees)
- Environmental Compliance including Silviculture Fees and harvest audits
- Transportation Costs (e.g. by barge, truck etc.)
- GHG Emission Compliance Program costs

At the biomass plant a demarcation point has been defined as the bin collecting conveyor. Any fuel handling and transportation expenses related to steam for generation up until the point of the bin collecting conveyor are considered a FAM expense.

Costs of this type are normally recorded in the following accounts in NS Power's Chart of Accounts:

502380	REG FUEL BIOMASS CONSUMED

3.2.10 Fuel – Mercury Sorbent

- Additives – Powder Activated Carbon (PAC) and Calcium Chloride
- Transportation Costs
- Costs relating to a Hg (mercury) Diversion Program that has been approved by the Minister of Environment under the *Air Quality Regulations,* N.S. Reg. 28/2005, as amended.

Costs of this type are normally recorded in the following accounts in NS Power's Chart of Accounts:

504200	REG GRID SALES MERCURY SORBENT
504250	REG GRID SALES MERCURY SORBENT FX

3.2.11 Grid Sales Revenue

Revenue from power exports net of any transmission tariffs and losses. This includes Renewable Energy Credits arising out of the sale of renewable energy in the New England market.

3.2.12 Natural Gas Revenue

Revenue from the resale of natural gas.

3.2.13 Miscellaneous Revenue and Recoveries

Revenues from joint partnerships in wind farms (including the cost of NS Power's ownership which is applied to purchased power) and any other fuel-related miscellaneous revenues. These revenues include steam sales to Port Hawkesbury Paper and steam sales at the Trenton Generating station.

The following accounts are normally used to record revenues from power exports and natural gas resales, revenues from joint partnerships in wind farms, and other miscellaneous revenues related to fuel.

417300	REG GRID SALES REVENUE
503200	REG NATURAL GAS REVENUE
503250	REG NATURAL GAS REVENUE FX
503300	REG WIND RECEIVABLES PURCHASED POWER
503350	REG WIND RECEIVABLES FUEL FOR GENERATION
535850	MISC REVENUE

These revenues will offset FAM-eligible fuel and purchased-power costs.

At times, revenues may be recorded as credits to related expense accounts, depending on their nature and applicable accounting guidelines. In these events, full explanations will be provided regarding why they were not offset against FAM-eligible fuel costs.

3.2.14 Foreign Exchange

All NS Power Fuel Accounts are subject to adjustments to record expenses or revenues denominated in foreign currencies and include the gain or loss on currency hedges entered into for the purpose of fuel procurement.

3.2.15 Limited-Duration Fuel Testing

These fuel testing costs (including solid fuel, liquid fuel and additives such as PAC) consist of the amounts directly incurred for shipping and handling and for conducting the test (e.g., third party testing and analysis), and only to the extent incurred as part of limited duration test burns occasionally made by the Company. They shall be limited to non-capital costs and they shall be separately identified in the Company's accounting records.

3.2.16 BTL Costs

- Spill energy payments under the Wholesale Market Non-Dispatchable Supplier Spill Tariff
- Fuel cost incurred in providing service under the Wholesale Market Backup/Top-up Service tariff, less revenue received under the Wholesale Market Backup/Top-Up Service tariff net of non-fuel items

3.2.17 GHG Emission Compliance Program Costs

- The cost of emission allowances (credits) under the Nova Scotia Cap-and-Trade program and GHG emissions compliance programs.
- Transaction fees for purposes of purchasing or selling emission allowances (credits).

Costs of this type are normally recorded in the following account in NS Power's Chart of Accounts:

5XXXXX REG EMISSION ALLOWANCE EXPENSE

3.2.18 GHG Emission Compliance Program Revenue

- The revenue from the sale of emission allowances (credits) under the Nova Scotia Cap-and-Trade program or GHG emissions compliance programs.

Revenues of this type are normally recorded in the following account in NS Power's Chart of Accounts:

5XXXXX REG EMISSION ALLOWANCE REVENUE

3.3 Calculation of Fuel Costs

The fuel costs in the Base Cost of Fuel recovered through the FAM include allowable fuel and purchased power expenses (as noted in section 3.1 above) less revenues from exported power.

3.4 Deferrals

During the 2023-2024 GRA Period, NS Power may include prior FAM deferrals for certain rate classes (Large General, Medium Industrial, and Large Industrial) in order to save additional interest charges which would accrue by further deferring such amounts to the end of the 2023-2024 GRA Period.

4.0 FILING AND PROCEDURAL DEADLINES

Annual Filing Requirements for Fuel Adjustment Rider

In 2023 and 2024 NS Power will submit as required by Appendix "D" a Fuel Adjustment Mechanism Formula filing for the AA and BA, which shall provide a forecast of general system requirements and include a proposed calculation of the Fuel Adjustment Mechanism Formula for the upcoming year.

Annual Filing Requirements for Base Cost of Fuel Forecast

For each year in which NS Power applies to adjust the Base Cost of Fuel, a load forecast, Base Cost of Fuel and net system requirement forecast filing for the upcoming FAM year (January 1 - December 31) will be submitted as per the schedule set out in Appendix "D". A Plexos run Base Cost of Fuel forecast update will be provided as per the schedule set out in Appendix "D". The Board's decision on the Base Cost of Fuel for the succeeding year will take into consideration the fuel forecast update and any stakeholder comments on the update.

NS Power will use the standardized forecasting methods provided in Appendix "B". NS Power will submit the standard templates for all fuel related information, including the Fuel Forecast Standardized Filing consisting of Reports OE-1(A) to (Q) and Report OE- 12, as approved in the Board's Order dated May 15, 2007, in support of the Base Cost of Fuel forecast for the upcoming year. The inputs developed as part of the Fuel Forecast Methodology in Appendix B and any explanations and required supporting information will also be provided.

General Annual Filing Requirements

NS Power shall make standardized annual report filings in accord with the structure and templates provided in Appendix "C" on the first Business Day of the third month after the preceding year end.

Quarterly Filing Requirements

NS Power shall make standardized quarterly report filings in accord with the structure and templates provided in Appendix "C" on the first Business Day after the release of NS Power's quarterly financial results. NS Power's quarterly financial results are released in the second month after the preceding quarter end.

Monthly Filing Requirements

NS Power shall provide standardized monthly reports in accord with the structure and templates provided in Appendix "C" on the twenty-first day after the month end (or the next Business Day after the twenty-first day if the twenty-first day falls on a non-Business Day).

Changes to Reporting Information

No changes to the approved reporting templates, including but not limited to designation of information as confidential, shall be made without either agreement of NS Power and stakeholders and Board approval, or Board approval.

Suggested revisions to FAM documents will be submitted to Stakeholders for review and input.

5.0 AUDIT AND OVERSIGHT

The amounts charged through the FAM shall be subject to periodic audit to assure completeness and accuracy and to assure fuel and purchased power costs were incurred reasonably and prudently. The results of any audit shall form part of the issues for consideration by the Board in a subsequent FAM hearing to consider the re-setting of the Base Cost of Fuel, or setting of the Fuel Adjustment Factor, or a General Rate Case at the request of NS Power or any interested stakeholder or upon Board order. Following consideration of the audit in any such hearing, the Board may make such adjustments (with interest if appropriate) to existing balances or to already recovered amounts as it may find necessary.

Audit Process

The Board shall provide for the conduct of a Fuel Adjustment Mechanism (FAM) audit during the 2023-2024 GRA Period as it deems appropriate. The Board shall have a qualified independent firm conduct the audit. The audit will address the financial and management/performance aspects of NS Power's fuel procurement and recovery under the FAM. The audit will include the FAM Formula, actual fuel and purchased power costs, contracts and management performance that affect the audit period from January 1 to December 31 of the years within the audit period. Audits will normally cover two-year periods or such periods as determined by the Board.

Objectives and Scope of the Audit

The overall objective of the FAM audit will be to examine operational and managerial aspects of the fuel and energy procurement, management, and production functions and activities of NS Power, including any fuel or energy related affiliate transactions that involve these functions and activities directly or indirectly. The review will address adherence to good utility practice and consistency with the policies and procedures governing NS Power's procurement as described in the NS Power Fuel Manual.

The Scope of the Audit will include a review of fuel and energy procurement, fuel management, and generation production to determine whether NS Power has, in the period following that covered by the last preceding audit, conformed and may reasonably be expected to continue to conform to good utility practice. The audit will also consider whether NS Power's conduct of fuel and energy procurement, fuel management, and generation production has been consistent with the NS Power Fuel Manual in the following specific areas (without limitation as to other areas determined to be relevant to effective and efficient fuel and energy procurement, management, and production):

- Fuel and purchased power costs
- Review of overall operational availability and capacity factor for the generating fleet
- Conduct on-site inspection for fuel handling, quality control, inventory management and performance monitoring
- Review and analyze the model used for day ahead marketers to determine the correct dispatch of resources
- Review all Fuel and Purchased Power contracts executed by NS Power and NSPEMI for the period under review for prudency and for compliance with the Fuel Manual
- Review of NS Power's use of hedging to appropriate accounting and performance standards
- Review of system sales
- Review of internal and external audit reports on the procurement of fuel and purchased power
- Review of the calculation of Base Cost of Fuel and the FAM adjustments

Prior to setting the final audit scope, the auditor shall meet with NS Power and interested stakeholders.

Timing of the Audit

Audits are expected to commence in February of every second year or at such time as directed by the Board. Final reports will normally be filed by July 2 of every second year or on such other date as directed by the Board. The final report will evolve from a draft report which is provided to NS Power and the Board within 30 days of the filing of the final report. The draft report should contain functional area task reports, a management summary, and include findings of operating effectiveness and efficiency, as well as any recommendations for adjustments in costs or changes in functions and activities.

Confidentiality

By no later than seven (7) Business Days prior to filing of the final report with the Board, the auditor will provide the final report to NS Power for the purposes of reviewing for confidential information.

NS Power shall identify to the auditor any information in the report which NS Power wants held in confidence by the Board at least two (2) Business Days prior to the filing of the final report. Based on the confidential information identified by NS Power, the auditor will file with the Board a confidential version of the report and a public version of the report which redacts NS Power's confidential information.

Within three (3) Business Days of the filing of the final report with the Board, NS Power shall file a request with the Board for any information in the final report which NS Power wants held in confidence together with the reasons for the request.

Significant FAM Changes

Where, in the absence of a General Rate Application, an increase for any customer class of more than 10 percent compared with the rate payable in the prior year is caused by the application of the FAM procedures, the Board should consider appropriate measures to assist customers.

The Board will monitor the operation of the FAM closely and reserves the right to intervene in any circumstance where it believes an increase to a customer class is not acceptable or in the public interest and take such steps as it considers appropriate to assist such customers including deferring a part of the increase for collection in a future time period.

6.0 STAKEHOLDER REVIEW AND DISCOVERY

Monthly, quarterly and annual non-confidential and confidential reporting will be available for access and viewing. NS Power confidential reporting will be available electronically or in a confidential data room. A Confidentiality Agreement or undertaking will be required to access confidential information. NS Power's confidential electronic data cart will be maintained on a rolling basis with complete information related to transactions in place and accessible within 45 days of the transaction date. For the Base Cost of Fuel forecast update, all support documentation available will be provided (e.g. recommendations, evaluations, and confirmations).

The reporting templates identified in Appendix "C" and the standard fuel-related forecast templates for the Base Cost of Fuel will be accessible to stakeholders in an electronic format. The Board's secure document site will be utilized to access the monthly, quarterly and annual reports. Transactional information, copyright information, and all forecasting information not included in the reports will be available in NS Power's confidential electronic data cart.

Appendix "D" provides the generic regulatory calendar and hearing dates for the FAM processes which will be undertaken each year during the 2023-2024 GRA Period.

In each hearing to adjust the Base Cost of Fuel, or to approve the AA and BA in a non-Base Cost of Fuel setting year, stakeholders shall have the opportunity (and access to information) to challenge NS Power's fuel costs, the implementation of the methodology, and the contents of the succeeding year's forecast, consistent with their current rights in General Rate Cases. Notwithstanding the foregoing, stakeholders shall not be precluded from reviewing prior years' actual results versus prior forecasts in addressing the propriety of the succeeding year's forecast.

7.0 DEFINITIONS

Actual Adjustment (Refund)/Recovery Rate – AA: is an Actual Adjustment which consists of the difference between fuel-related costs recovered from a rate class through the application of the base rates and the actual fuel costs incurred and allocated to the rate class as of the end of September of the prior calendar year. The actual fuel costs will include the same cost items as the Base Cost of Fuel.

Actual Amount 'AA' Received/(Refunded) current period: the amount of (over)/under recovery of fuel costs collected or refunded in the current period, a product of the 'Actual Adjustment (Refund)/recovery Rate – AA' and the 'Actual Sales' for the current period.

Annual Weighted Average Cost of Capital (WACC): A calculation of a company's cost of capital in which each category of capital is proportionately weighted All capital sources - common stock, preferred stock (if applicable), and debt are included in the calculation.

Audit: An independent, objective examination and evaluation of the accounts and records of or the performance and cost effectiveness of an organization.

Balance: The net of debits and credits for an account at the end of a reporting period.

Balance Adjustment (Refund)/Recovery Rate – BA: is a Balance Adjustment, expressed in cents per kWh, which accounts for any (over)/under recovery collections which have occurred as a result of prior adjustments.

Balance Amount Received/(Refund) current period: the amount of remaining (over)/under recovery collections which have occurred as a result of prior adjustments, that are collected or refunded in the current period, a product of the 'Balance Adjustment (Refund)/Recovery Rate – BA' and the 'Actual Sales' for the current period.

Base Cost of Fuel Component – B: is the Base Cost of Fuel per kWh (¢/kWh) included in NS Power's "rates".

Business Day: is any day other than a Saturday, Sunday, or municipal, provincial or federal statutory holiday in Halifax, Nova Scotia.

Compliance Filing: A report filed by NS Power with the Board subsequent to a Decision. This report includes financial, cost of service, rates, and other information that may require revision from NS Power's original application in order to comply with the Board's Decision.

Estimated Sales for the Current Year: is a forecast of projected electricity sales for customer groups that are subject to the FAM Formula.

Export Sales Costs: are the costs to generate power to serve sales outside of NS Power's service territory of Nova Scotia.

Export Sales Recoveries: are the proceeds or revenues received from the sale of export power.

Export Sales Generation: are the MWh's generated to serve customers outside of Nova Scotia.

Fuel Costs Recovered Through Base Cost of Fuel Component: the fuel costs recovered through the Base Cost of Fuel component is the product of the current period's sales in GWh multiplied by the Base Cost of Fuel, then divided by 100.

Fuel for Generation: the fuel costs incurred with consumption of a commodity for the purpose of generating power.

General Rate Application: An application filed by NS Power with the Board requesting general changes to the rates and tariffs it applies to its customer classes. The 2023-2024

GRA Period refers to the period beginning January 1, 2023 and ending December 31, 2024 or to such time as determined by the NSUARB.

GRLF Revenue: The revenue received from Generation Replacement and Load Following (GRLF) Rate billings.

GRLF Administration Costs: That portion of GRLF Revenue represented by the $5/MWh adder of that tariff.

GRLF Requirements: The energy requirement of the Generation and Load Following (GRLF) Rate, including losses.

Net Generation by Fuel Type: a financial report produced out of Oracle showing the net generation, expressed in MWh, by facility and fuel type.

NSPEMI: NS Power Energy Marketing Inc., a wholly owned subsidiary of NS Power, formed to facilitate fuel and purchased power transactions in the United States.

(Over)/Under Recovery Amount: variance (over/under) between actual fuel costs and those recovered through the Base Cost of Fuel component included in rates.

Prior Year's AA (Refund)/Recovery Ending Balance: the balance remaining at the end of the period, on the previous year's 'Actual Adjustment'. The residual balance at the end of September will be recovered/refunded to the customer through the 'BA: (Refund)/Recovery Rate' in the subsequent years.

Prior Year's 'AA' and 'BA' (Refund)/Recovery Ending Balance: the balance remaining at the end of the period, on the previous year's 'Actual Adjustment' and the 'Balance Adjustment'. The residual balance at the end of September will be recovered/refunded to the customer through the 'BA: (Refund)/Recovery Rate' in the subsequent years.

Prior Year's Accumulated Interest: the interest accumulated over the previous year on the balance in the 'Balancing Account' to be recovered/refunded to or by the customer during the current year through the 'BA: (Refund)/Recovery Rate'.

Prior Years (Refund)/Recovery Amount Beginning Balance: the balance remaining at the beginning of the period, on the previous year's 'Actual Adjustment'.

Total Balance Account Beginning Balance: the balance remaining at the beginning of the period, on the previous year's 'Actual Adjustment' and the 'Balance Adjustment'.

Total Purchased Power: the total cost of import, IPP and wind power purchases during the period used to serve the domestic load requirements.

Total System Requirements: the total sales and system losses expressed as GWh for domestic and export activity.

Two Part Real Time Pricing Decremental and Incremental Charges: The credits paid to Extra Large Industrial Two-Part Real Time Pricing (ELI 2P-RTP) customers associated with decremental load (below the customer baseline load, CBL) or the additional charges to ELI 2P-RTP customers associated with load above the CBL.

Water Royalties: Amounts paid to government associated with environmental aspects of operating hydroelectric systems.

Appendix A

SAMPLE FAM CALCULATION Part I

FAM Calculation

See Appendix A, FAM Calculation Model Part II

I. Schedule 2 - Base Cost of Fuel per kWh Rate Calculation – 'B'

Enter the appropriate information for the effective period in Schedule 2 - Base Fuel Costs' of the FAM Calculation Model:

Cost of Fuel (in millions)

a) Line 1: enter the 'Fuel for Generation' cost for the period found on the 'Consumed Fuel Type' page of the 'Compliance Forecast' or 'Base Fuel Forecast' package.

b) Line 2: enter the 'Plus/Less Natural Gas Margin' for the period found on the 'Consumed Fuel Type' page of the 'Compliance Forecast' or 'Base Fuel Forecast' package.

c) Line 3: enter the ' Purchased Power' cost for the period found on the 'Consumed Fuel Type' page of the 'Compliance Forecast' or 'Base Fuel Forecast' package.

d) Line 4: enter the 'Fuel for Exports ' for the period found on the 'Consumed Fuel Type' page of the 'Compliance Forecast' or 'Base Fuel Forecast' package.

e) Line 5: enter the 'Fuel - Water Royalties' cost for the period found on the 'Consumed Fuel Type' page of the 'Compliance Forecast' or 'Base Fuel Forecast' package.

f) Line 6: enter the 'Less OM&G Costs recovered in fuel'.

g) Lines 7 and 8: enter 'zero' for both as 'Two Part Real Time Pricing (RTP) Debits and Credits' are not forecasted.

h) Line 9: enter the 'Less Export Revenue' for the period found on the 'Export Sales Report' page of the 'Compliance Forecast' or 'Base Fuel Forecast' package.

i) Line 10: enter the 'Less Total Non FAM Fuel Costs' for the period as provided by Revenue for the 'Compliance Forecast' or 'Base Fuel Forecast' package.

j) <u>Line 11</u>: is blank.

k) <u>Line 12:</u> enter the sum of lines 1 through 8, reduce total by amounts in lines 9 and 10, to calculate the 'Cost of Fuel' component used in the 'Base Cost of Fuel' calculation.

Energy Requirements (GWh)

l) <u>Line 13:</u> enter the 'Total System Requirements' in GWh for the period found on the 'Net Generation by Fuel Type' page of the 'Compliance Forecast' or 'Base Fuel Forecast' package.

m) <u>Line 14:</u> enter the 'Less Export Sales and Losses' in GWh for the period found on the 'Export Sales Report' page of the 'Compliance Forecast' or 'Base Fuel Forecast' package.

n) <u>Line 15:</u> enter the 'Less Total Non FAM Requirements' in GWh, adjusted for losses, for the period as provided by Revenue for the 'Compliance Forecast' or 'Base Fuel Forecast' package.

o) <u>Line 16:</u> is blank.

p) <u>Line 17:</u> subtract lines 14 and 15 from line 13 to calculate the 'Energy Requirements (GWh)' component used in the 'Base Cost of Fuel' calculation.

Rates

q) <u>Line 18:</u> calculate the 'Base Cost of Fuel per MWh' by multiplying line 12 by 1000, then dividing the product by line 17.

r) <u>Line 19:</u> calculate the 'Base Cost of Fuel per kWh' by dividing line 18 by 1000.

<u>NOTE:</u> The Base Cost of Fuel per KWh calculated in line 19 will be broken down separately by Rate Class in accordance with the most recent Cost of Service Study (COSS) as approved by the Board. The Base Cost of Fuel per Rate Class will be shown in Schedule 2b.

s) <u>Line 20:</u> enter the 'Annual Weighted Average Cost of Capital' percentage as shown in 'Table 13, Line 12' for the appropriate 'Compliance Filing' data. This information will be used later as a component in calculating interest throughout the model.

II. <u>Schedule 3 – Actual Data</u>

Enter the appropriate information for the effective period(s) in Schedule 3 - Actual Data and Schedule 4 – Forecast Data, of the FAM Calculation Model before proceeding to Schedule 1 – FAM Calculation:

Input the following in Schedule 3 – Actual Data:

Actual Cost of Fuel (in millions)

a) <u>Line 1:</u> enter the 'Fuel for Generation' cost for the period found on the 'Fuel Summary by Type' page of the appropriate 'Fuels Results Package'.

b) <u>Line 2:</u> enter the 'Plus/Less Natural Gas Margin' for the period found on the 'Fuel Summary by Type' page of the appropriate 'Fuels Results Package'.

c) <u>Line 3:</u> enter the 'Purchased Power' cost for the period found on the 'Fuel Summary by Type' page of the appropriate 'Fuels Results Package'.

d) <u>Line 4:</u> enter the 'Fuel for Exports' cost for the period, shown as 'Export Sales Costs', on the 'Fuel Summary by Type' page of the appropriate 'Fuels Results Package'.

e) <u>Line 5:</u> enter the 'Fuel-Water Royalties' cost for the period found on the 'Fuel Summary by Type' page of the appropriate 'Fuels Results Package'.

f) <u>Line 6:</u> enter the 'MTM on HFO and Natural Gas' found the 'Fuels Summary by Type' page of the appropriate 'Fuels Results Package'

g) <u>Line 7:</u> enter the 'Less OM&G Costs recovered in fuel' if applicable.

h) <u>Line 8:</u> enter the 'Less RTP Debits' for the period as provided by Revenue.

i) <u>Line 9:</u> enter the 'Plus RTP Credits' for the period as provided by Revenue.

j) <u>Line 10:</u> enter the 'Less Export Revenues' for the period found on the 'Export Sales Report' page of the appropriate 'Fuels Results Package'.

k) Line 11: enter the 'Less GRLF/LRT/ Shore Power Fuel Costs / BUTU' for the period as provided by Revenue.

l) Line 12: enter zero for the 'Less Mersey System Fuel Costs' for the period as provided by Hydro Administration [no longer applicable].

m) Line 13: enter the 'FX Interest Exp' for the period as provided by Treasury.

n) Line 14: calculate the 'Actual Cost of Fuel' by summing lines 1 through 13. This calculation is linked to line 2 of Schedule 1 - FAM Calculation.

Actual Sales (GWh)

o) Line 15: enter the 'Total Sales' in GWh for the period as provided by Revenue for the appropriate 'Fuels Results Package'.

p) Line 16: enter the 'Less Export Sales Gen.' in GWh for the period found on the 'Export Sales Report' page of the appropriate 'Fuels Results Package'.

q) Line 17: enter the 'Less GRLF/LRT Sales/Shore Power' sales in GWh for the period as provided by Revenue for the appropriate 'Fuels Results Package'.

r) Line 18: enter zero for the 'Less Mersey Basic Block' [no longer applicable].

s) Line 19: subtract lines 16 through 18 from line 15 to calculate the 'Actual Sales'. This information is linked to various calculations in 'Schedule 1 – FAM Calculation'.

The Sales Blend (GWh) will be broken down separately by Rate Class and shown in Schedule 3.

III. Schedule 4 – Forecast Data

Input the following in Schedule 4 – Forecast Data:

Forecast Cost of Fuel (in millions)

a) Line 1: enter the 'Fuel for Generation' cost for the period found on the 'Consumed Fuel Type' page of the current forecast.

b) Line 2: enter the ‘Plus/Less Nat Gas Margin’ for the period found on the ‘Consumed Fuel Type’ page of the current forecast.

c) Line 3: enter the ‘Purchased Power’ cost for the period found on the ‘Consumed Fuel Type’ page of the current forecast.

d) Line 4: enter the ‘Fuel for Exports’ for the period found on the ‘Consumed Fuel Type’ page of the current forecast.

e) Line 5: enter the ‘Fuel-Water Royalties’ cost for the period found on the ‘Consumed Fuel Type’ page of the current forecast.

f) Line 6: enter the ‘MTM on HFO and Natural Gas’ found on the ‘Fuels Summary by Type’ page of the appropriate ‘Fuels Results Package’.

g) Line 7: enter ‘Less OM&G Costs recovered in fuel’ if applicable.

h) Line 8 and 9: enter ‘zero’ for both as ‘Less 2 Part RTP Debits and Plus 2 Part RTP Credits’ are not forecasted.

i) Line 10: enter the ‘Less Export Revenues’ for the period found on the ‘Export Sales Report’ page of the current forecast.

j) Line 11: enter the ‘Less non-FAM Fuel Costs’ for the period as provided by Revenue for the current forecast.

k) Line 12: enter zero for ‘Less Mersey System Fuel Costs’ [no longer applicable].

l) Line 13: enter the ‘FX Interest Exp’ for the period as provided by Treasury. [NS Power does not forecast Foreign Exchange interest expense, so this is not applicable.]

m) Line 14: calculate the ‘Forecasted Cost of Fuel’ by summing lines 1 through 13. This calculation is linked to line 15 of ‘Schedule 1 - FAM Calculation’ and line 2 of Schedule 1 for future months.

NOTE: The forecasted data calculated in line 14 of ‘Schedule 4 – Forecast Data’ is only used in ‘Schedule 1 – FAM Calculation’ for November and December, of each calendar year.

Forecast Sales (GWh)

n) Line 15: enter the ‘Total Sales’ in GWh for the period as provided by Revenue for the current forecast.

o) Line 16: enter the 'Less Export Sales Gen.' in GWh for the period found on the 'Export Sales Report' page of the current forecast.

p) Line 17: enter the 'Less GRLF/LRT/Shore Power Requirements' forecasted sales in GWh for the period as provided by Revenue for the current forecast.

q) Line 18: enter zero for 'Less Mersey Basic Block' [no longer applicable].

r) Line 19: subtract lines 16 through 18 from line 15 to calculate the 'Forecast Sales'. [Reduce total sales by non-FAM sales in order to calculate non-FAM sales forecast.] This information is linked to various calculations in 'Schedule 1 – FAM Calculation'.

Base Cost of Fuel

s) Line 20: calculate the 'Forecasted Fuel Costs (millions)' for the year by adding the appropriate cells in line 14.

t) Line 21: calculate the 'Forecasted Sales (GWh)' for the year by adding the appropriate cells in line 19.

Forecast (Over)/Under Recovery Cost (in millions)

u) Line 22: calculate the 'Forecasted Fuel Costs Recovered through Base Fuel Cost' for the period by multiplying the GWh per rate class from the Supplementary Sales Schedule by the relevant rate from Schedule 2b – COS Base.

v) Line 38: calculate the 'Forecasted Blend' for the period by dividing sales for the rate class by the total sales in Supplementary Sales Schedule.

The Forecast Sales Blend (GWh) will be broken down separately by Rate Class and shown in Schedule 4.

IV. Schedule 1 – FAM Calculation

The remaining items are calculated in 'Schedule 1 – FAM Calculation':

a) Line 1: links the 'Base Cost of Fuel per kWh' calculated in line 13 of 'Schedule 2b – COS Base Fuel'.

b) <u>Line 2:</u> links the 'Actual Fuel Costs' for the period calculated in Schedule 3 - Actual Data, line 14 and 'Forecast Cost of Fuel (in millions) calculated in Schedule 4 – Forecast Data, line 14.

c) <u>Line 3:</u> links the 'Fuel Costs Recovered through Base Fuel Cost' for the period calculated in line 15, Schedule 1b – Incented FAM Amt

d) <u>Line 4:</u> calculate the '(Over)/Under Recovery Amount [before interest]' for the period by subtracting line 3 from line 2.

e) <u>Line 5:</u> links the 'Current Year (Over)/Under Recovery Amount [before Cap] – Beginning Balance' for the period as calculated in line 7 of the prior month.

<u>NOTE:</u> Each January, the 'Beginning Balance' shown in line 5 is reset to zero.

f) <u>Line 6:</u> links to the 'Current Month's (Over)/Under Recovery Amount [before Cap & Interest]' for the period as calculated in line 4.

g) <u>Line 7:</u> calculates the 'Current Year (Over)/Under Recovery Amount [before Cap & Interest]', by adding lines 5 and 6.

h) <u>Line 8:</u> calculates the 'Current Interest on the Current Year's Total (Over)/Under Recovery Amount' by multiplying line 7 by the 'Annual Weighted Average Cost of Capital, divided by 12.

<u>NOTE:</u> the 'Annual Weighted Average Cost of Capital, is shown on line 20 of 'Schedule 2 –Base Fuel Costs. <u>Every July</u>, take the sum of the value calculated in line 10 of the previous month, plus the current month's value shown in line 6, then multiply by line 20 of 'Schedule 2 – Base Fuel Costs' divided by 12.

i) <u>Line 9:</u> enter relevant interest adjustments and support with Schedule 5 – Interest Adjustment

j) <u>Line 10:</u> calculate the 'Current Year (Over)/Under Recovery Amount [before Cap, incl. Interest] – Ending Balance' by adding the current month's values shown in lines 4,8 and 9, plus the value calculated in line 10 for the prior month.

<u>NOTE:</u> Every January, add the values shown in lines 7,8 and 9 only.

NOTE: the data shown in lines 15 through 17 is no longer in use. This information was previously used for 'AA' rate filing purposes.

The Fuel Costs Recovered through Base Fuel Costs will be broken down by Rate Class and separately identified in Schedule 1b – Incented FAM Amount. AA and BA calculations will be conducted separately for each Rate Class, using the COS model.

V. Actual Adjustment (Refund)/Recovery Yearly Rate per kWh Calculation – 'AA'

The 'Actual Adjustment' rate is calculated and presented to the Board for approval on or before November 15 of each year, based on the current year's data, to the end of September. The 'AA' rate calculated is used for the next calendar year once approved by the Board.

In October of each year, input the following in the 'October ' column of the appropriate year in 'Schedule 1 – FAM Calculation' to prepare the '1st 'AA' Filing':

a) Line 18: calculate the '(Over)/Under Recovery Amount [before interest]' for the current year by adding the current year's actual amount found on line 4 from January through September.

b) Line 19: Enter zero.

c) Line 20: calculate the 'Accumulated Interest to be (Refunded)/ Recovered' by adding the current year's accumulated interest, shown on lines 8 and 9 for January through September.

d) Line 21: calculate the 'Prior Years Amount to be (Refunded)/ Recovered' [incl Interest]' by adding lines 18 and 20.

e) Line 23: links to the 'Estimated Sales for the next Forecast Year', as shown in line 21 of 'Schedule 4'.

f) Line 24: calculate the 'AA: (Refund)/Recovery Rate', in ¢/kWh, by dividing line 21 by line 23 and multiplying by 100.

   NOTE: The 'AA' rate calculated during the '1st 'AA' Filing' process is the 'AA' rate that will be used during the following calendar year.

In January of each year or as applicable, the 'Actual Adjustment' amount is re-calculated. This is calculated in the 'January' column of the current year in 'Schedule 1 – FAM Calculation' to prepare the 'Final 'AA' Filing':

g) Line 18: calculate the '(Over)/Under Recovery Amount [before interest]' for the current year by adding the previous year's actual amount found on line 4 from January through September and the amount from October to December for the year before the previous year.

h) Line 19: enter zero for the 2020-2022 Rate Stability Period.

i) Line 20: calculate the 'Accumulated Interest to be (Refunded)/ Recovered' by adding the prior year's accumulated interest, shown on line 8 and 9 for January through September and October to December for the year before the previous year .

j) Lines 21 through 24: repeat section V, items d through f.

NOTE: the value calculated in line 21 of the 'Final 'AA' Filing' is the total ***actual*** '(Over)/Under Recovery Amount [incl. interest]' in $M to be refunded or recovered, including interest.

VI. Actual (Refund)/Recovery Amount Calculation

Enter the appropriate information for the effective period in Schedule 1 – FAM Calculation:

a) Line 25: link the value calculated in line 19 of 'Schedule 3 – Actual Data', for the current period.

b) Line 26: link the 'AA' rate calculated in line 24 of the '1st 'AA' Filing' for the previous year.

NOTE: the 'AA' rate calculated during the '1st 'AA' Filing' process is the 'AA' rate that will be used to refund or recover the prior year's '(Over)/Under Recovery Amount'.

c) Line 27: calculate the 'Prior Years (Refund)/Recovery Amount Beginning Balance' line 18.

d) Line 28: calculate the 'Accumulated Interest on Prior Year's 'AA' Beginning Balance', by linking to the value calculated in line 20.

NOTE: If the current period is not January, the remainder of these lines 27 and 28 left blank.

e) Line 30: calculate the 'Current 'AA' (Refund)/Recovery Amount Beginning Balance', by linking to the ending balance for the previous period, shown in line 32.

NOTE: Each January, the 'Beginning Balance' shown in line 30 is the sum of lines 27 and 28.

f) Line 31: calculate the 'Actual Amount Received/(Refunded) current period' by linking to line 26 of 'Schedule 7 – AA and BA by Class', for the current period.

g) Line 32: calculate the 'Current 'AA' (Refund)/Recovery Amount [before Interest] – Beginning Balance' by subtracting line 31 from line 30.

h) Line 33: calculate the 'Current Interest on 'AA' Beginning Balance' by multiplying line 32 by line 20 of 'Schedule 2' divided by 12.

NOTE: Every July, take the sum of the value calculated in line 34 of the previous month, plus the current month's value shown in line 31, then multiply by line 20 of 'Schedule 2 – Base Fuel Costs' divided by 12.

i) Line 34: calculate the 'Prior Year's (Refund)/Recovery Ending Balance' by adding the current month's value shown in line 33 to the value calculated in line 34 for the prior month, less the current month's value shown in line 31.

NOTE: Every January, add the values shown in lines 32 and 33 only.

VII. Balance Adjustment (Refund)/Recovery Yearly Rate per kWh Calculation – 'BA'

The 'Balance Adjustment' rate is calculated and presented to the Board for approval in October each year, based on the current year's data, to the end of September. The 'BA' rate calculated is used for the next calendar year once approved by the Board.

In November of each year, input the following in the 'November ' column of the appropriate year in 'Schedule 1 – FAM Calculation' to prepare the '1st 'BA' Filing':

a) Line 35: calculate the 'Prior Year's 'AA" and 'BA' (Refund)/Recovery Ending Balance' by adding the September balances shown on lines 34 and 44 of 'Schedule 1'.

b) Line 36: calculate the 'Estimated Sales' for the next year by adding the forecasted sales for the appropriate year, as shown in line 21 of 'Schedule 4 – Forecast Data'.

c) Line 37: calculate the 'BA: Remaining (Refund)/Recovery Rate', in ¢/kWh, by dividing line 35 by line 36 and multiplying by 100.

NOTE: The 'BA' rate calculated during the '1st 'BA' Filing' process is the 'BA' rate that will be used during the following calendar year.

In January of each year or as applicable, the 'Balance Adjustment' amount is re-calculated. This is calculated in the 'January' column of the current year in 'Schedule 1 – FAM Calculation' to prepare the 'Final 'BA' Filing':

d) Line 35: calculate the 'Prior Year's 'AA" and 'BA' (Refund)/Recovery Ending Balance' by adding the September ending balance shown on line 34 and the September ending balance shown on line 44 for the previous year, as shown on 'Schedule 1'.

e) Line 36: calculate the 'Estimated Sales' for the current year by adding the forecasted sales for the appropriate year, as shown in line 21 of 'Schedule 4 – Forecast Data'. This is completed on an annual basis.

f) Line 37: calculate the 'BA: Remaining (Refund)/Recovery Rate', in ¢/kWh, by dividing line 35 by line 36 and multiplying by 100.

NOTE: the value calculated in line 35 of the 'Final 'BA' Filing' is the ***actual*** remaining '(Over)/Under Recovery Amount [incl. interest]' in $M to be refunded or recovered.

VIII. Balance (Refund)/Recovery Amount Calculation

Enter the appropriate information for the effective period in 'Schedule 1 – FAM Calculation':

a) Line 38: link the value calculated in line 19 of 'Schedule 3 – Actual Data', for the current period.

b) Line 39: link the 'BA' rate calculated in line 37 of the '1st 'BA' Filing' for the previous year.

NOTE: the 'BA' rate calculated during the '1st 'BA' Filing' process is the 'BA' rate that will be used to refund or recover the remaining 'AA' and 'BA' '(Refund)/Recovery Amount' from the previous year.

c) Line 40: calculate the 'Prior Years 'AA' and 'BA' (Refund)/Recovery Beginning Balance' by linking the prior period's ending balance calculated in line 42.

NOTE: If the current period is January, link to the value calculated in line 35.

d) Line 41: calculate the 'Balancing Amount Received/(Refunded) current period' by linking to line 59 of 'Schedule 7 – AA and BA by Class', for the current period.

e) Line 42: calculate the 'Prior Year's 'AA' and 'BA' (Refund)/Recovery Amount [before Interest] – Beginning Balance' by subtracting line 41 from line 40.

f) Line 43: calculate the 'Current Interest on 'BA' Beginning Balance' by multiplying line 42 by line 20 of 'Schedule 2' divided by 12.

NOTE: Every July, take the sum of the value calculated in line 44 of the previous month, plus the current month's value shown in line 41, then multiply by line 20 of 'Schedule 2 – Base Fuel Costs' divided by 12.

g) Line 44: calculate the 'Prior Year's 'AA' and 'BA' (Refund)/Recovery Ending Balance' by adding the current month's value shown in line 43 to the value calculated in line 44 for the prior month, less the current month's value shown in line 41.

NOTE: Every January, add the values shown in lines 42 and 43 only.

IX. Total Account Amount

Enter the appropriate information for the effective period in 'Schedule 1 – FAM Calculation':

a) Line 45: show the 'Total (Over)/Under Account Beginning Balance' by linking the prior period's ending balance calculated in line 52.

b) Line 46: show the 'Current Month's '(Over)/Under Recovery [before Cap & Interest]' by linking the value calculated in line 6 for the current month.

c) Line 48: show the 'Current Interest' by linking the values calculated in lines 8, 9, 33 and 43.

d) Line 49: calculate the 'Total (Over)/Under Account Ending Balance [incl. interest]' for the current month by adding lines 45 through 48.

e) Line 51: show the 'Current Month's Recovery Received/ (Refunded)', by adding the values calculated in lines 31 and 41 for the current period.

f) Line 52: calculate the 'Total (Over)/Under Recovery Ending Balance', by subtracting line 51 from line 49 for the current period.

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X. Fuel Adjustment Mechanism Formula [¢/kWh] = AA + BA

a) The 'Fuel Adjustment Mechanism' rate is calculated once a year every January, based on the previous year's data. The rate calculated is used for the entire current year Line 53: calculate the 'Fuel Adjustment Mechanism Formula' by adding together the rates calculated in lines 26 and 39.

Appendix B
FAM Fuel
Forecasting Methodology
August 11, 2021

The following methodology governs the processes and assumptions that NS Power will use to produce the FAM fuel forecast required to set the Base Cost of Fuel during the Rate Stability Period.

1.0 General Approach

The production of a fuel forecast for use in the establishment of the Base Fuel Cost used in a FAM shall be performed using the methodology set out below.

2.0 Load Forecast

2.1 Load Forecast Model

NS Power will develop the Residential and Commercial Sector forecasts using a Statistically-Adjusted End-Use (SAE) model and will develop the industrial sector forecasts using customer surveys in conjunction with econometric models. A SAE model combines the bottom up approach to forecasting applied by an end-use model with the statistical approach applied by an economic forecast. A bottom up buildup of the electricity consumption required to heat, cool, and operate major appliances in a home or business will be interacted with economic, building stock, and weather data to develop NS Powers SAE forecast. Historical saturation and energy consumption values for electric heating, electric cooling, and the operation of appliances will be based on Natural Resources Canada Comprehensive Energy Use database and supplemented by other publicly available research. Forecasted saturation and efficiency values will be based on the US Energy Information Administrator's forecasts for the New England market Nova Scotia specific forecasts if available. NS Power's economic outlook will be based on the Conference

Board of Canada's long term outlook or an industry accepted alternative. For a complete description of the forecast model, please see the 10-year load forecast as filed with the UARB.

2.2 Residential Energy Sales

Typical home electricity consumption is forecast using an SAE average use model and a sales forecast is generated as the product of the average use and customer forecast. The residential average use SAE model is defined as a function of the three primary end-uses – cooling, heating and other use. The variables for each of these components interact end use characteristics, weather and economic indicators.

2.3 Commercial Energy Sales

Separate commercial forecasts will be developed for each commercial rate class. Small General Service uses an average use model similar to the Residential model, while the General Service model uses an SAE approach based on total sales. The Large General class forecast relies on customer surveys to forecast future load. In the absence of a survey response or any publicly available information a large customer's load will be presumed flat for the forecast period.

2.4 Industrial Energy Sales

NS Power produces the small and medium industrial forecasts based on econometric models using provincial economic information and historical load data as inputs. The Large Industrial rate class load forecast relies on customer surveys to forecast future load. In the absence of a survey response or any publicly available information a large customer's load will be presumed flat for the forecast period.

2.5 Years of Data

Energy models typically use 10 years of monthly sales data unless otherwise specified in the load forecast report. Weather data uses the most recent ten (10) year period to develop "normal" monthly weather profiles. The peak forecast model is based on a design temperature of -15 degrees Celsius.

2.6 Conservation and Energy Efficiency Effects

Conservation and Energy Efficiency effects will be incorporated into the forecast by reducing the load forecast by Efficiency One's annual projected savings for each sector (i.e. Residential, Commercial, and Industrial.) Projected savings are adjusted to account for double counting within the end use profiles as outlined in the 10 year load forecast report.

2.7 Input into PLEXOS

NS Power will develop the annual load forecast using 8,760 hours of data called "base load shape", which it will input into PLEXOS together with monthly energy and peak load forecast information. The PLEXOS load shaping algorithm will convert the monthly energy and peak load into an hourly load forecast using the base load shape.

The base load shape will be updated annually in order to reflect changes in hourly load patterns. NS Power will consider factors such as weather, load behavior, and data accuracy when updating the base load shape and may decide to delay load shape update if the previous year load pattern is considered to be atypical.

Documented reasons for a delay in updating load shape may include items such as, for example, an unusually warm or cold year (10% above or below the long term [i.e. 10-year] average total annual heating degree days), or data availability.

3.0 Fuel Forecast

3.1 General

NS Power will calculate the cost of fuel used in the forecast through a combination of cost for fuel contracted and fuel yet to be contracted (open positions).

Contracted fuel will be priced as per the terms of the relevant contract. If a contract contains a volume option, that volume option will be forecast in the direction that yields the lowest overall cost to the forecast and customers. For example, if the forecast market price of fuel is lower than the volume option price of fuel, the volume option will be forecast down and the forecast market price will be applied to that volume.

The cost of the fuel yet to be contracted (open positions) will be valued at the forecast market price. The forecast market price will be developed using a specified combination of the following:

a. Fuel Price Forecasts
b. Supplier Bids
c. Forward Price Strips & Indices
d. Broker Quotes

The Fuel Forecast methodology, including the weighting percentages associated with the development of the forecast market price for each fuel type, will be subject to review by the Board, and either NS Power or stakeholders may propose modifications to the Board.

No changes to the Fuel Forecast methodology, including the weighting percentages associated with each of the fuel types, can be made without either agreement of NS Power and stakeholders and Board approval, or Board approval.

3.2 Low Sulphur Coal

The forecast of Low Sulphur Coal will be comprised of the cost for contracted volumes (with options forecast to be exercised to produce the lowest overall fuel cost), the cost for unhedged index priced volumes valued at the corresponding current index price for the relevant time period, or at the hedged price to the extent that the indexed volumes are financially hedged, and open volumes valued at the forecast market price.

The forecast market price for open volumes will be developed as follows:

3.2.1 Low Sulphur / Low Btu Colombian

a. Supplier Bids ([redacted] percent): The average price (adjusted to 11,300 Btu/lb), from qualified bidders offering a commercially approved low sulphur, low Btu fuel of Colombian origin, of the two most competitive coal bids received within 60 days of the start of NS Power's Fuel Forecast Development, provided that the bids are of comparable quality (e.g. sulphur content). If only two bids are available and they are from frequent and traditionally competitive suppliers, the two bids will be used.

NS Power shall use reasonable commercial efforts to obtain Supplier Bids.

b. The forward indices and relative weightings are as follows:

- 100% weighting of API2 - BC7 plus or minus a basis differential adjusted to Colombian origin (Puerto Nuevo) for Low Sulphur Low Btu coals

API 2 is comprised of the 12-month calendar year averages published near the start of NS Power's Fuel Forecast development., The API2 index is from InterContinental Exchange and contained within Allegro. BCI 7 is comprised of the calendar-year forecast published near the start of NS Power's Fuel Forecast development, by the Clarkson Securities Limited (CSL) Derivatives Report.

The (API 2 – BCI7) basis differential shall be calculated using the most recent Supplier Bids received by NS Power. Specifically, the average of the two most competitive bids for low sulphur coal from the most recent RFP will be adjusted to 11,300 Btu/lb and a FOBT Colombian origin and this price will then be compared with the (API 2 minus BCI7) price for the time period coinciding with that of the bids. The resulting basis differential will then be applied to the (API 2 minus BCI7) Indices published near the start of NS Power's Fuel Forecast development.

3.2.2 Low Sulphur High Btu Colombian

Supplier Bids for Low Sulphur High Btu coal are most commonly based on [redacted] or may also be fixed priced. The average of two supplier bids is used to determine the Low Sulphur High Btu price using API4 published near the start of NS Power's fuel forecast development. API4 index is from Intercontinental Exchange and contained in Allegro.

If only one bid is available and it is from a frequent and traditionally competitive supplier, the single bid will be used.

NS Power shall use reasonable commercial efforts to obtain Supplier Bids.

3.2.3 Low Sulphur Central Appalachian Coal

The price of the CAPP Coal Origin CSX-BSK 1.7#SO2 index will be calculated from Allegro data queried at the start of NS Power's Fuel Forecast Development. The rail transportation estimate will be added to the CAPP Coal Origin price. The rail estimate will be obtained using the data published from CoalDesk immediately prior to the start of NS Power Fuel Forecast Development applying an annual escalator to the timeframe beyond CoalDesk's pricing period.

3.3 Mid Sulphur Coal

The forecast of Mid Sulphur Coal will be comprised of the cost for contracted volumes (with options forecast to be exercised to produce the lowest overall fuel cost), the cost for unhedged index priced volumes valued at the corresponding current index price for the relevant time period, or at the hedged price to the extent that the indexed volumes are financially hedged, and open volumes valued at the forecast market price.

The forecast market price for open volumes will be developed as follows:

a. Supplier Bids ([redacted] percent): The weighted average price (basis MMBtu content and bid quantities), from qualified bidders offering a commercially approved fuel, of the two most competitive coal bids received within 60 days of the start of NSPI's Fuel Forecast Development, provided that the bids are of comparable quality (e.g. sulphur content). If only two bids are available and they are from frequent and traditionally competitive suppliers, the two bids will be used.

   If a minimum of two applicable Supplier Bids are not available at the time of the forecast, then the [redacted] percent weighting from part (a) will be allocated to part (b) for a total part (b) weighting of [redacted] percent.

   NSPI shall use reasonable commercial efforts to obtain Supplier Bids.

b. The price of the NAPP Coal Origin MGA 13000 4.5 #SO2 will be calculated from Allegro data queried at the start of NS Power's Fuel Forecast Development. The rail transportation estimate will be added to the NAPP Coal Origin price. The rail estimate will be obtained using the data published from CoalDesk immediately prior to the start of NS Power Fuel Forecast Development applying an annual escalator to the timeframe beyond CoalDesk's pricing period.

3.4 Domestic Coal

The forecast of Domestic Coal will be comprised of the cost for contracted volumes (with options forecast to be exercised to produce the lowest overall fuel cost). With Domestic Coal the decision whether to exercise volume optionality's upwards or downwards is determined by comparing the delivered cost of the import coal alternative and selecting the lower cost alternative.

NS Power shall use reasonable commercial efforts to contract for favorably priced Domestic Coal prior to the start of NS Power's Fuel Forecast Update.

3.5 Petroleum Coke

Forward indices similar to those available for coal are not published for Petroleum Coke. Petcoke pricing published by PACE is a commonly used basis for supplier bids but is not a forward price index. In addition, the petcoke market tends to be more volatile than coal. The forecast market price will be determined as follows:

a. Supplier Bids ([redacted] percent): The average price (adjusted to 14,000 Btu/lb) from qualified bidders offering a commercially approved fuel, of the two most competitive bids received within 60 days of the start of NS Power's Fuel Forecast Development, provided that the bids are of comparable quality (e.g. sulphur content). If only one bid is available and it is from a frequent and traditionally competitive supplier, the single bid may be used.

   If applicable Supplier Bids are not available at the time of the forecast, then there will be no contribution from this component, and [redacted] of the forecast market price will be based on the mid PACE publication immediately prior to the start of NS Power's Fuel Forecast Development. A constant escalator expressed as a percentage will be applied to the petcoke price based on CPI.

   NS Power shall use reasonable commercial efforts to obtain Supplier Bids.

3.6 Natural Gas

The forecast of Natural Gas will be comprised of the cost of natural gas under all contracts in place, applicable hedges, and open volumes valued at the forecast market price and the contract or forecast transportation costs to deliver the natural gas to Tufts Cove. The cost of Natural Gas under the in-place contracts will be adjusted for any discount/premium under the contracts.

The forecast market price of Natural Gas will be calculated as the simple average of the forward price strips over a period of 30 days immediately prior to the start of NS Power's Fuel Forecast Development. The source of the data will be the NYMEX for the Henry Hub (HH) component of the gas price. [redacted] to match the pricing point(s) where the gas is expected to be priced for the forecast period. The forecast cost of Natural Gas will also be adjusted for any market discount/premium to the basis. This results in the formula: HH + Basis + Market discount/premium + transportation. As there is no published information which can be used as the reason for forecasting the premium or discount that Maritimes consumers pay relative to market basis indices, NS Power will use the historical premium/discount. Given the variability in the natural gas market, the most recent RFP premium/discount results will be most relevant. NS Power will provide the rationale for any deviation from the most recent RFP premium/discount.

3.7 Heavy Fuel Oil 1.0 percent Sulphur

The forecast of Heavy Fuel Oil (HFO) will be comprised of the cost of contracts, secured through a competitive RFP process, hedged volumes, and open volumes valued at a forecast market price. The source of the forecast market price will be the Chicago Mercantile Exchange (CME) New York Harbor Residual Fuel 1.0% or the InterContinental Exchange (ICE). calculated as the simple average of the forward price strips over a period of 30 days immediately prior to the start of NS Power's Fuel Forecast Development. If the forward strips are not published, or they do not go far enough into the future, the HFO price will be derived from the Brent crude price using the recent historic trading relationship between HFO and Brent.

3.8 Light Fuel Oil

The forecast of Light Fuel Oil (LFO) will be comprised of the cost, if any, of contracts and hedged volumes, and open volumes at the forecast market price.

The forecast market price for LFO will be derived from the simple average of the published NYMEX heating oil forward curves for a period of 30 days immediately prior to the start of NS Power's Fuel Forecast Development.

3.9 Freight (Ocean)

The forecast of ocean freight will be comprised of the cost of contracted volumes (with options forecast to be exercised to produce the lowest overall fuel cost), and any open volumes valued at the forecast market price.

The forecast market price will be the most recent broker quote receivable within 60 days of the start of NS Power's Fuel Forecast Development by Simpson, Spence and Young (SSY) for the relevant time period and remaining open tonnages. NS Power cannot change the independent party supplying this broker quote without first notifying stakeholders and the new party is approved by the Board after receipt of stakeholder comment.

The Bunker Escalator will be forecast based on the Ocean Freight contracts in place, the bunker escalation clauses of the competitive offers and a forward price for bunker calculated based on the relevant fuel forward curve for the relevant time period, taken from the same 30 day time period immediately prior to the start of NS Power's Fuel Forecast Development.

3.10 Additives

The cost of Additives to be used in the forecast will be based on the expected PAC performance at each plant considering fuel qualities and forecast blends, , as well as the contracts in place, and known changes in the product or service costs. The calculation of this cost will be fully documented.

3.11 Foreign Exchange Rate

The forecast for foreign exchange will be comprised of the cost of contracts and hedged volumes, and open volumes at the forecast market rate.

The forecasted foreign exchange market rate used in the Fuel Forecast will be calculated as a simple average of the most recent quotes obtained by NS Power from each of RBC, Scotiabank, CIBC, TD, Bank of America and BMO (quarterly forecast reports provided by banks) within 90 days of the start of NS Power's Fuel Forecast Development. The most recent forecasts obtained will be utilized.

3.12 Fuel Blending Optimization

Optimal fuel blends required to meet emissions requirements and lowest cost of production will be co-optimized simultaneously with dispatch optimization in PLEXOS for the current calendar year.

In order to optimize fuel blends, the following information will be supplied to PLEXOS:

- Fuel types available to each generating unit
- Fuel S, Hg and C content
- Average of the 30 days immediately prior to the start of NS Power's Fuel Forecast Delivered price in $ per MMBtu
- Fuel quantity and blend ratio restrictions for each generating unit

3.13 SO_2 Precipitation Removal

SO_2 stack removal rates are specified to be 5% for all coal burning steam units and 90.5% for Point Aconi circulating fluidized bed boiler, nominally. These values can vary operationally due to electrostatic precipitator (ESP) performance, but are expected to average to nominal values for the purpose of fuel and purchased power forecasting. SO_2 removal rates are assessed by internal subject matter experts by comparing sulphur content of fuel blends with measured and reported SO_2 release. If assessed SO_2 stack removal rates are different from expected values, and the differences cannot be explained by ESP performance, field tests will be initiated periodically to confirm SO_2 stack removal rates capabilities of generating units.

3.14 Hg Precipitation Removal and Diversion Credits Usage Forecast

Mercury removal from flue gas occurs either inherently at the ESP without injection of sorbent, or due to injection of sorbent. Both modes of Mercury removal are modeled in PLEXOS in order for the simulation to be able to optimize sorbent use and be able to revert to inherent Mercury capture when sorbent is not in use. Mercury capture is dependent on sulphur content of fuel blends. Mercury removal rates assumptions are developed by internal subject matter experts based on the fuel blends, as well as on the types and quantity of sorbents used.

3.15 Biomass

Total generation from the Port Hawkesbury Biomass facility is determined by Generation Services in conjunction with the plant manager based on expected steam demands from PHP and seasonal fuel quality operating constraints and subsequently entered into PLEXOS. For plant operating characteristics, NS Power will follow the same forecasting process used for the other thermal units (i.e. DAFOR and heat rate will be based on the average of the prior three years). The FERM team calculates the fuel requirement of the plant and develops a blended cost of biomass based on availability and costs of different forms of biomass fuel. There are no published forecast prices for biomass. NS Power will determine the forecast price based upon input from internal and external subject matter experts and will provide reasonably detailed and auditable documentation for pricing.

4.0 Resource Characterization

4.1 Thermal resources

The system operating assumptions described in this section are updated annually, except where otherwise specified for specific assumptions.

4.1.1 Heat Rate

In 2013, dispatch Net Unit Heat Rate (NUHR) vs net power curves were developed to best reflect the magnitude of the annual Aligne Fuel system heat rates from 2009 to 2013. The curve shapes, i.e. the change in heat rate with respect to net power, were determined from previous turbine cycle heat rate tests.

The shapes of the NUHR vs net power curves are verified during specific turbine cycle heat rate tests conducted after major turbine overhauls, which occur approximately at 10 year intervals. If it is not possible to conduct a formal turbine cycle heat rate test, general curve shape can be verified by calculating heat rates at multiple load points using measured fuel input and power output or data from the online performance monitoring system.

The actual Aligne Fuel annual unit heat rates are plotted against the dispatch NUHR vs net power curves to determine deviations from expected performance. The data points from 2009 to the most recent year are analyzed annually to determine if the dispatch curves should be updated to improvement alignment with the actual reported Aligne Fuel heat rates, potentially caused by changes in unit performance or unit configuration. The actual heat rates, dispatch curves and any proposed changes are reviewed with and approved by NSP management. If any heat rate curve modifications are approved, the associated heat input vs net power equation coefficients are calculated and issued to Marketing and Generation Planning departments to be applied in daily economic dispatch and long term fuel forecasting models.

4.1.2 Maintenance Outages

Maintenance outages will be based on the Annual Thermal Maintenance Schedule produced by NS Power's Integrated Outage Planning Committee. In forecasting the outages, the Committee considers NERC/NPCC requirements for the system as well as the length of the outages requested by the plants. For each forecast outage, a description of the primary work to be performed will be documented and stated in the Planned Outage Standardization Playbook for each facility.

4.1.3 Unit Maximum Capacities

The maximum capacity of a unit will be the values used in the most recent Board approved Base Cost of Fuel for each unit. The maximum capacities of generating units rarely change, but should a major physical modification occur that permanently increases or decreases the maximum capacity of the unit, this will be reflected in the forecast as approved by NS Power's management. Reasons for the change and supporting information will be documented.

4.1.4 Deration Factor

For each of the units, a Deration Factor will be assigned to recognize the times that the unit is not at its maximum capability. The following are considered for each plant:

- Seasonal cooling water temperature fluctuations for thermal plants;
- Ambient air temperature for the gas-fired units;
- Effects of frozen coal in the winter period and high moisture coal during wet seasons for coal plants;
- Economic coal blends for meeting environmental emissions that do not yield full load for coal plants

The Deration Factors for each unit are recommended by NS Power operations and engineering personnel using recorded actual generation effects as well as operational models used to determine MW output on specific fuel blends and must be approved by NS Power's management. Deration Factors not included in the above list must be identified by NS Power operations and/or engineering personnel and approved by NS Power's management for use in the forecast. Deration Factors and the accompanying reasons are documented.

4.1.5 De-rated Adjusted Forced Outage Rate (DAFOR)

The DAFOR will be calculated based on the simple average of actual results for the last three years, adjusted for the unit's point in the maintenance cycle. Adjustments will be fully documented and stated in the assumptions both in magnitude and reason.

4.1.6 Unit Variable Operation and Maintenance (O&M) Costs

The incremental operating and maintenance costs will be calculated based on variable operating costs and net generation over a five-year period.

The variable operating and maintenance costs are calculated by the Enterprise Asset Management Department according to the Variable Operating & Maintenance Cost Rate Calculation Procedure. Variable Operating and Maintenance (VOM) cost rates are calculated for each Nova Scotia Power thermal plant and are applied in both fuel forecasting and daily economic dispatch models. The VOM rates are included in the total generation cost for each particular unit, which is used to optimize unit dispatch across the fleet.

The general equation applied to determine the VOM rates is as follows:

VOM ($/MWh) = [OF*variable operating costs + MF*(materials + contract costs)] / net generation

- VOM = Variable Operating and Maintenance cost rate
- OF = variable operating cost factor
- MF = variable maintenance cost factor

The following principles and factors are applied in the calculation of the plant VOM rates.

1. Equipment sustaining capital costs that are dependent on generation or hours of operation, i.e. variable Major Maintenance (MM) costs that are allocated to capital accounts, are excluded from the VOM rate calculations. Only variable operating and maintenance costs from the OM&G accounts are included in the VOM rate calculations.

2. Total variable O&M costs and total net generation for the previous five years are applied in the VOM rate calculation.

3. If capacity factor for a particular steam cycle unit is less than 20%, apply a net generation equivalent to 20% in the calculation. The capacity factors for the Tusket, Victoria Junction and Burnside gas turbines are close to zero. A combined VOM rate is calculated for these gas turbines by applying a fixed capacity factor of 0.03.

4. Operating costs and maintenance costs that are dependent on the amount of generation from a unit are identified from the list of OM&G accounts provided by the Power Production Business Manager. In general, the accounts included are:

   a. Operating – chemicals, gases, water, lubricants and ash disposal
   b. Maintenance – tools and equipment, materials, contracts associated with general equipment maintenance and annual outages

5. The following variable operating cost factors (OF) are applied to estimate the proportion of the identified variable operating costs that are dependent on the amount of generation:

a.	Coal/biomass	1.00
b.	Conventional gas/oil	1.00
c.	Gas turbines	1.00

6. The following variable maintenance cost factors (MF) are applied to estimate the proportion of the identified variable maintenance costs that are dependent on the amount of generation:

a.	Coal/biomass	0.60
b.	Conventional gas/oil	0.35
c.	Gas turbines	1.00

When NS Power deviates from the VOM calculation procedure set out in the Forecasting Appendix, it shall provide adequate explanation and support for the deviations.

4.1.7 Abatement Technologies

Forecast of the efficiency of mercury abatement via powdered activated carbon will be based on the actual powdered activated carbon consumption and actual kg of mercury removed. Forecasted abatement cost will be based on this observed system performance as well as supply contract pricing. This information will be used in conjunction with the forecast pricing as inputs to PLEXOS.

4.1.8 Steam Generating Unit Minimum Up/Down Times

Minimum up and down time capabilities of thermal generating units are provided by Enterprise Asset Management. The two-shifting capability of generating units is defined in the PLEXOS model by the minimum up and down times.

4.1.9 Generating Unit Start-up Costs and Start-up Times

Generating unit start-up costs and start-up times are provided by Enterprise Asset Management. Large steam unit start-up costs in the PLEXOS model will be split into three categories: hot start, warm start, and cold start. Smaller steam units as well as combustion turbines can be modeled accurately with a single tier of start-up costs, and the information will be supplied by generation services, as such.

4.1.10 Generating Unit Shutdown Penalty

The PLEXOS system model differentiates between costs and penalties applied to operation of the fleet. While costs associated with start-ups do factor into the total cost of fuel and purchased power, penalties do not. Penalties are used to express potential incremental damage mechanisms and costs associated with generating unit cycling. The shutdown penalty assumptions in the PLEXOS model are intended to guide PLEXOS model dispatch to reflect the physical asset limitations reflected in system dispatch decisions. Generating unit shutdown penalties are provided by Enterprise Asset Management and updated periodically when fleet operating conditions and characteristics warrant an update.

4.1.11 Generating Unit Forced Outage Repair Time

Information provided by Enterprise Asset Management includes expected minimum and maximum time to repair a problem associated with a forced outage.

4.1.12 Generating Unit Ramp Rate Capability

Generating unit maximum up and down ramp rates are provided by Enterprise Asset Management and updated by exception.

4.1.13 Minimum and Maximum Sulphur Content of Fuel Blends

Fuel blends will reflect the most current information regarding the minimum and maximum sulphur requirements, by plant.

4.1.14 Minimum Calorific Value of Fuel Blend Requirements

Fuel blends will reflect the most current information regarding the minimum and maximum calorific value requirements, by plant.

4.1.15 Emissions Content of Fuels

Emissions content of fuels are revised to reflect the most current estimate by the solid fuel team.

4.1.16 Generating Unit Minimum Stable Level

The minimum stable operating loads for the generating units are provided by Enterprise Asset Management.

4.1.17 Fuel Switching Capability

The fuel switching capability on dual-fueled steam plants is defined by Enterprise Asset Management (EAM) and updated in every F&PP forecast. EAM may provide separate forced outage rate for fuel switching systems, if it is expected to be different from unit forced outage rates.

4.2 System Constraints

4.2.1 Reserve Requirements

PLEXOS models four types of reserve; Regulation (Lower), Regulation (Raise), Spinning, and Ten-minute non-spinning replacement reserve. These requirements are provided by the NS Power system operator and are updated on an annual basis or by exception.

4.2.2 System Stability Steam Commitment Requirements

These parameters are updated by internal NS Power System Operator subject matter experts as required.

4.2.3 Metro Dynamic Reserve Requirement

The PLEXOS model incorporates a dynamic requirement for Metro Dynamic Reactive Reserve ("MDRR"), where the hourly reserve requirement in Mvar is calculated based on

Onslow South corridor flow and total system load. Linearized unit capability curves for the metro units are in the model to properly reflect the inverse relationship between unit dispatch level and available Mvar. These requirements are updated as required by the NS Power System Planning group as system configurations change.

4.8 Transmission system resources

4.8.1 Transmission System Configuration

NS Power has developed a condensed transmission system model allowing for accurate representation of NS Power transmission system constraints. The number of nodes and interconnecting corridors by which the NS Power transmission system will be represented will be determined by the Planning and Performance department. The transmission system model will be reviewed continuously in order to make sure that the level of detail in the model is sufficient to accurately represent the existing and upcoming changes on the system. All adjustments to the system model such as the number of system nodes and the number of transmission lines or corridors, will be fully documented and stated in the assumptions both in magnitude and reason.

4.8.2 Transmission Corridor energy transfer limits

Transmission corridor energy transfer limits as per the data published on OASIS – Open Access Same-time Information System. All necessary adjustments due to transmission corridor upgrades or reconfiguration which affect energy transfer limits will be fully documented and stated in the assumptions both in magnitude and reason.

4.8.3 Transmission System Restrictions

Transmission system energy transfer restrictions as they affect generating unit dispatch:

- Cape Breton Export energy transfer levels required to trigger arming of the group SPS targeting generating units for tripping in case of corridor overload.
- Onslow South energy transfer limit required to trigger commitment of Metro Halifax generating units in order to satisfy dynamic reactive reserve requirements.

The PLEXOS model captures transmission limits and conditions which have a material effect on system dispatch. The system planning group will request pertinent corridor limit changes and transmission constraints from the system operator and FERM in advance of each forecast.

4.8.4 Muskrat Energy Modeling

Muskrat Falls Energy is modeled using the latest assumptions from NSP Maritime Link Inc. Nova Scotia base block and Supplemental block are modeled using $0 price. Surplus energy is modeled in accordance with section 7.0.

4.9 IPPs

IPP contracts will be forecast using the pricing structure and volumes set out in the contract. If the volume is not fixed, the simple average of the last three years of production will be used where available. If discrete changes in the capability of an IPP occur they will be reflected through an adjustment to the historical performance (adjustment to be documented and explained). If the IPP has not been in service to produce a three year average, the best available information will be used to estimate the volume to be received considering production information to date and start up experience with other similar projects.

4.10 Hydro

The hydro generation resource will be calculated using the Board approved methodology of a 23-year rolling average. The energy provided by each unit in the hydro fleet will be calculated from historical production percentages based on the last 23 years. Adjustment to the 23 year average will be made and fully documented both in magnitude and reason if hydro assets are added, decommissioned or unavailable for extended periods during the forecast time frame due to major inspections or overhauls.

4.11 Wind generation profile

Data sources for wind and load hourly shapes will be based on the same year in order to reflect consistent weather pattern influences on system load and wind generation.

To produce IPP, COMFIT, and NS Power wind shapes, NS Power will use actual hourly telemetered wind output where available.

Where hourly wind generation profiles based on actual measured wind generator output are not available, NS Power will use wind generation data from the geographically nearest telemetered wind site to create an hourly wind generation profile that would be consistent with the other wind and load profile data in the model.

The wind generation profiles will be input into PLEXOS together with monthly energy and peak generation forecast information for each wind generator; for IPP wind sites this is determined as per section 4.9. The PLEXOS shaping algorithm will convert the monthly energy and peak generation into an hourly wind generation forecast using the appropriate wind generation profile.

4.12 Variable Energy Curtailment

The optimal level of variable energy curtailment is determined by PLEXOS.

4.13 Tidal flow through

Tidal flow-through monthly energy forecast is developed by using installed and expected capacity based on the interconnection queue. Hourly flow-through tidal profile is developed based on actual data, where available. In the absence of actual data, a generic hourly flow- through tidal profile is developed based on actual tidal heights and translated into potential flow-through tidal generation.

4.14 Solar

Solar monthly energy forecast is developed by using installed and expected capacity based on the interconnection queue. Hourly solar profile is developed based on actual data where available. In the absence of actual data, a generic hourly solar profile is developed based on the potential solar profile for the region.

4.15 Emissions Compliance Plexos Input Parameters

4.15.1 GHG Cap-and-Trade System Compliance Process

Compliance with the GHG Cap-and-Trade Program is guided by the use of a GHG emissions shadow price which is calculated by the Portfolio Optimization team and approved by the FST. The GHG shadow price economically disadvantages GHG-emitting resources against the non-emitting and lower emitting resources by increasing the dispatch cost of GHG-emitting fuels.

The GHG shadow price development process applies two methods, depending on whether the present forecast is showing a surplus or deficit of GHG free allowances within the relevant compliance period.

If the forecast shows surplus GHG free allowances, the GHG shadow price is set at the level at which the GHG credits are expected to be sold.

If the forecast shows a deficit of GHG free allowances, the GHG shadow price will be set at the level where the combination of GHG emissions reduction via dispatch optimization and GHG allowances purchase shows the lowest cost of compliance.

4.15.2 Emissions Compliance Risk Mitigation

As a part of the Plexos emissions compliance process, the Portfolio Optimization team may use emissions buffers to manage risk with emissions compliance. The Portfolio Optimization team will assess the requirement and appropriateness of the use of emissions buffers and request FST approval of any emissions buffers to be used in F&PP forecast modeling.

While emissions buffers can be useful at any point in the compliance period, emissions buffers are more likely to be required in either the final year of a multi-year compliance period, or in a single year where there is a defined cap on emissions. Portfolio Optimization identifies emissions and years where the risk of increased cost to customers exists due to uncertainty in forecast assumptions and the operating environment. Based on the emissions compliance risk assessment, Portfolio Optimization develops emissions buffer recommendations and seeks FST approval to implement emissions buffers in the forecasting process.

4.15.3 Emissions Release Year to Date Plexos Input Data Validation Process

Portfolio Optimization estimates actual emissions on a monthly basis. This process is independent from Environmental Services' official actual emissions measurements and relies on a separate data set to produce the estimates.

The alignment between estimated emissions and the official air emissions measurements is discussed at the monthly Emissions Compliance meeting, where the following departments are represented:

- Environmental Services
- Portfolio Optimization

- Fuels
- Enterprise Asset Management

If there is a discrepancy between estimated expected air emissions and the official air emissions release measurements, Portfolio Optimization will review the calculations and may request a recalculation of the actual emissions measurements by the Environmental Services Department.

If there is still a discrepancy between estimated expected air emissions and the official air emissions release measurements following the recalculation of the actual air emissions by Environmental Services, Portfolio Optimization and Environmental Services will collaborate and share data in order to determine the source of the discrepancy.

If the discrepancy between estimated expected air emissions and the official air emissions release measurements is not resolved through the inter-departmental collaboration, Portfolio Optimization may escalate the issue to the FST and request assistance with resolving the discrepancy.

5.0 Financial Model Assumptions

5.1 Emission Fees

The Emission Fees for the forecast will be calculated based on the most current estimate of costs available from invoicing and communication with the Provincial or Federal Government, including known increases to be implemented.

5.2 Water Use Fees

The Water Use Fees for the forecast will be based on the most current estimate of costs available from invoicing and communication with the Provincial Government, including known increases to be implemented.

5.3 Solid Fuel Pile Management

The Solid Fuel Pile Management costs will be based on the most current information of fuel movement and management for the forecast year from the fuel delivery schedule. If no new information exists, the average of the last three years will be utilized. Any forecast adjustments from historical values for known changes will be fully documented and stated in the assumptions both in magnitude and reason.

5.4 Fuel Testing

The Fuel Testing costs forecast will consist of the incremental shipping, handling and operational costs associated with the test burn program for the forecast period. The specifics and rationale for the test burn program shall be fully documented. Any forecast adjustments from historical values for known changes will be fully documented and stated in the assumptions both in magnitude and reason.

5.5 Rail Car Lease

The Rail Car Lease costs will be calculated based on current contract prices. If no contracts are in place for the forecast period, the average of the two lowest evaluated and compliant bids will be used.

5.6 Trucking and Rail Contract Costs

The price per ton associated with Trucking and Rail which is contracted separately from the solid fuel supply contracts (e.g. rail services from PTMT to Trenton) will be calculated based on forecast trucking and rail contract rates (including fuel surcharges), and the volumes (movement of coal to and from long-term storage) will be derived from inventory projections in the Coal Model. The trucking and rail rates and the volumes derived from the Coal Model will create the total forecast cost.

5.7 Auxiliary Fuel

Auxiliary Fuel will be calculated based on a simple average of usage over the last three years, adjusted for known changes. Any adjustments from historical values for known changes will be fully documented and stated in the assumptions both in magnitude and reason.

6.0 Export Power

The methodology used to forecast the price of power exports from Nova Scotia assumes that all exports are considered dump energy and are nominally priced at $10 per MWh in the dispatch optimization model. The forecast model will also be constrained with respect to Maximum export volumes to be the average three years with consideration given to market changes which may require a modification to the methodology.

7.0 Import Power

The methodology used to forecast the price of power imports into Nova Scotia from New Brunswick for the 2020-2022 Rate Stability Period assumes that all NB to NS imports are purchased from ISO New England, including transmission and losses.

NS Power will pay the Maritime Link Assessment which covers all costs associated with the Maritime Link and the Nova Scotia Block.

The price of Maritime Link Surplus energy will be forecast using both on-peak and off-peak forward prices for the New England Power Pool's Hub, located in western Massachusetts, USA.

The volume of imported power will be determined in PLEXOS, subject to Nova Scotia system constraints based on the forecast import prices and, if necessary, it will be adjusted to be reflective of expected imports availability due to system in New Brunswick and New England as well as actual imports for similar years in terms of system operating conditions. That basic forecast (forecast volumes times forecast price) shall be adjusted for known changes that could materially affect the volume or price of power imports, but any such adjustment would be fully documented as to price, volume and rationale.

8.0 Process Flow Description

8.1 Assumption Gathering

NS Power will gather input assumptions for PLEXOS as per the Appendix D schedule. Short-term forecasts will be provided within the timeframes noted above. The price strips used in the forecast will be for the 30 days immediately prior to the start date of NS Power's Fuel Forecast Development as stated in Appendix D.

Contracts and financial hedges in existence prior to the start date of NS Power's Fuel Forecast Development will be incorporated into the forecast.

8.2 Initial PLEXOS Run

All system assumptions will be input into PLEXOS and an initial run of the PLEXOS model will be performed. If necessary, coal blending restrictions in PLEXOS will be revised and the model will be run again in order to confirm dispatch and coal blend optimality.

8.3 Final PLEXOS Run

The final PLEXOS run is the run in which the coal blend and dispatch optimization is fully vetted and shows no material unaccounted for discrepancies against the operational requirements.

8.4 Financial Model

The financial model is run to forecast the value of the fuel hedges, the gas resale program, and other non-dispatch-based fuel costs. The financial model imports the fuel requirements and costs from PLEXOS then applies the effect of the non-dispatched fuel costs.

8.5 Output of Financial Model into Reporting

The output of the financial model will be exported into the Standardized FAM reporting package, as outlined in the body of the Plan of Administration, and submitted to the Board and stakeholders as per the schedule in Appendix D.

9.0 Base Fuel Forecast Update

NS Power will provide an Updated Fuel Forecast as indicated in the schedule in Appendix D. The Update will require the re-running of the PLEXOS model. The Update will list any new contracts for committed volumes and/or fuel hedges that NS Power has entered into after the start date of the Fuel Forecast Development, and a variance analysis from the initial Fuel Forecast will be provided which indicates what factors caused what changes. The Update will reflect the change in contracts committed, applicable hedges, and updates of market fuel prices.

10.0 Accounting Methodology

The FAM Forecast will follow GAAP.

Inventory will be consumed using a weighted average method, as per the Board's approval letter dated August 10, 2006 or as updated and approved by the Board.

11.0 Schedule of Process timelines

Appendix D provides the schedule for forecasting activities and information requirements related to FAM administration.

FAM REPORTING REQUIREMENTS AND TEMPLATES
Appendix C
May 8, 2023

MONTHLY

M-1 SUMMARY OF FUEL COSTS (Non-Confidential)

- Summary of Fuel Costs by Type ($Millions)
- Total System Requirements (GWh)
- Adjusted for GRLF, Export Revenues, 1P RTP, Shore Power, Back Up/Top Up, Load Retention Tariff, and Foreign Exchange
- Reporting periods include actual and budge amounts for month and year to date
- Lists full year budget and percent of budget spent

M-2 SUMMARY OF COST RECOVERY (Non-Confidential)

- Summary of Base Cost of Fuel (BCF) actual and budget amounts for year to date and current month
- Provides running balance to be recovered, forecast (over)/under recovery for remainder of the year, and interest on the BCF balance
- Summary of Actual Adjustment Component (AA) including balance at beginning of year, amounts recovered in the year to date, opening balance in the current month, amount recovered/(refunded) in current month, and closing balance as of end of current month
- Provides forecast for recovery/(refund) for remainder of year, and interest on the AA balance
- Summary of Balancing Adjustment (BA) Component including balance at beginning of year, amounts recovered/(refunded) prior to current month, opening balance in the current month, amount recovered/(refunded) in current month, and closing balance as of end of current month
- Provides forecast for recovery/(refund) for remainder of year, and interest on the BA balance
- Total FAM Deferral (Over)/Under-Recovery represents sum of BCF, AA and BA amounts.

M-3 TOTAL ACCUMULATED UNRECOVERED FAM BALANCE (Non-Confidential)

- Provides actual figures for month to date and forecast for remaining months of the year
- Outstanding AA and BA totals
- BCF Variance to current month and in current month
- Accumulated Interest amounts
- Total Outstanding
- Current month highlighted

M-4 FUEL POLICIES AND ORGANIZATIONAL CHANGES (Non-Confidential)

- Details of Fuel Manual Updates in the month
- Details of POA Updates in the month
- Details of any Organizational Updates or other relevant staff changes within Fuels, Energy and Risk Management or Fuels Finance

M-5 MERCURY ABATEMENT PROGRAM

(Confidential and Non-Confidential Versions)

- Mercury sorbent type (both any necessary oxidizing agent and the actual absorbent), quantity and costs by each generating plant per month
- Mercury Emission Levels estimate, forecast and variance for the month and year to date

M-6 VOLUME AND PRICING SUMMARY

(Confidential and Non-Confidential Versions)

- Per commodity breakdown of total consumption costs, consumption MMBtu, price $/MMBtu and price $/MWh for Solid Fuel, Natural Gas, Biomass, Bunker Oil (Heavy Fuel Oil), Light Fuel Oil, Imports, Non-Wind IPP Purchases, Wind IPP Purchases and COMFIT
- Broken down by actual, budget and percent change in current month, actual and budget amounts for the year to date, and total budget for the year

M-7 VOLUME AND PRICING SUMMARY (Non-Confidential)

- Provides information about categories, variance from budget, and detailed explanation of the reason for the variance
- Information provided for Total Fuel and Purchased Power Expense, Total System Requirements, Total FAM Sales, Net Fuel and Purchased Power Costs, Purchased Power Costs, Solid Fuel Costs, Natural Gas, Biomass Fuel Costs, Heavy Fuel Oil, Mercury Sorbent and Mercury Emissions

M-8 ELIADC REPORT

(Confidential and Non-Confidential Versions)

- Provides details per month for CBL Energy charge, Accrual Booked and Accrual Reversed which links back to report on M-1
- Breaks down the CBL Energy charges by Fuel and Purchased Power charge, Operating and Maintenance charge and Fixed Cost Recovery, provides actual and target energy, CBL Adder charges and the total billed charges

M-9 NS POWER ENERGY MARKETING INC. TRANSACTION REPORTING

(Confidential and Non-Confidential Versions)

- Provides details per month on the purchase and sale of power, fuel or other commodities between NS Power and NS Power Energy Marketing Inc. (NSPEMI).
- Breaks down the transactions by product, buy/sell, date/time volume, price, and cost or revenue.

ADDITIONAL DOCUMENTS:

- FAM Calculation Model
- Detailed Cover Letter explaining variances in fuel and purchased power costs and revenues in the month

QUARTERLY:

Q-1 FUEL PORTFOLIO COMPLIANCE **(Confidential)**

- Hedging Report by commodity
- Including solid fuel and related transportation contract details
- Commentary providing basis for commodity hedges in relevant years

Q-1a SOLID FUEL PORTFOLIO UPDATE **(Confidential)**

- Supplier and contract information

Q-2 FOREIGN CURRENCY EXCHANGE PROGRAM **(Non-Confidential)**

- Hedging summary of foreign exchange
- Including FX rates
- New contract details

Q-3 NEW FUEL CONTRACT SUMMARY **(Confidential)**

- Contract type, supplier, term, volume, price details for new physical contracts with terms less than and greater than one year or one month

Q-4 CONTRACT UPDATE **(Confidential)**

- Commentary on changes in fuel contracts, status on all litigations and force majeure
- Records of procurement approvals and actual supplier contracts are catalogued and available in the electronic FAM Data Cart.

Q-5 SOLID FUEL INVENTORY **(Confidential)**

- Solid fuel inventory levels in tons and number of weeks supply with comparison target levels
- Reporting periods include current quarter, forecast rest of year

Q-6 GENERATION AND PURCHASED POWER STATISTICS (Non-Confidential)

- Generation statistics by unit including station service
- Export Sales
- Purchases
- GRLF, Load Retention, Shore Power, 1PT RTP, Back Up/Top Up and Losses
- Reporting periods include current quarter, year to date, prior period year to date, forecast rest of year

Q-7 NATURAL GAS DETAIL REPORT (Confidential)

- Natural gas purchase quantities by supplier
- Prices paid for quantities purchased
- Cost/benefit of settled hedges applicable to purchases
- Quantities consumed to generate electricity, separating volumes between Tuft's Cove Units 1-3 and LM6000 TUC Units 4-5
- Cost of gas applicable to quantity consumed, separating the cost/benefit of settled hedges
- Quantities sold for resale
- Revenue from sales
- Settlement of gas sale hedges applicable for resale
- Cost of gas purchased
- Net margin on gas sales
- Changes in inventory position and cost of inventory
- Reporting periods includes current quarter, rest of year forecast, 200X + 1 forecast

Q-8 FUEL OIL DETAIL REPORT (Confidential)

- Quantities purchased and cost of purchases
- Quantity forecasted to be purchased for next calendar year.
- Cost of purchases including hedges
- Quantity consumed to generate electricity
- Cost of quantity consumed including hedges
- Changes in inventory position and applicable cost of inventory

- Reporting periods include current quarter, rest of year forecast, 200X + 1forecast

Q-9 IMPORT POWER AND EXPORT DETAIL REPORT (Confidential)

- Quantities purchased and sold
- Cost of quantities purchased
- Revenue of quantities sold
- Reporting periods (current quarter)

Q-10 HISTORICAL FUEL COST GRAPH SUMMARY (Confidential)

- Quarterly Five Year Summary of Fuel costs per MWh (Solid Fuel, Natural Gas, HFO, Diesel)
- Monthly Three Year Summary of natural gas, HFO, and LFO prices
- Monthly Three Year Summary of natural gas, HFO, and LFO volumes
- Quarterly Five Year Summary of natural gas resale margin
- Monthly Three Year Summary of natural gas revenue per mmbtu
- Quarterly Five Year Summary of solid fuel costs per mmbtu
- Five Year Summary of annual generation by fuel type

Q-11 THERMAL PLANT MAINTENANCE SCHEDULE (Confidential)

- Updated plant maintenance schedule for the current year

Q-12 MERCURY ABATEMENT PROGRAM

(Confidential and Non-Confidential Versions)

- Cumulative quarterly mercury capture costs by each generating plant
- Type and amount of sorbent used (oxidizing agent and absorbent) for each generating unit
- Fuel and fuel mix by each generating plant
- Tracking of emissions compared to mercury emissions cap
- Technical issues related to mercury capture technology and impacts on fuel and fuel mix

Q-13 POWER GENERATION & FUEL REPORT (Confidential)

- Report package referenced in the NSPI Fuel Manual. Report package includes details on net generation by type, solid fuel costs by type, heat rate by plant, natural gas sales, export sales, generation statistics, and fuel costs by plant.
- Q-13a Fuel Summary by Type – per month in the quarter
- Q-13b Net Generation by Fuel Type – per month in the quarter
- Q-13c Power Production Station Fuel Costs – per month in the quarter
- Q-13d Power Production Solid Fuel Costs – per month in the quarter
- Q-13e Power Production Heat Rate Report – per month in the quarter
- Q-13f Natural Gas Report – per month in the quarter
- Q-13g Export Sales Report – per month in the quarter
- Q-13h Generation Statistics – per month in the quarter
- Q-13i Generation Statistics – Renewables – per month in the quarter
- Q-13j Renewables Costs – per month in the quarter
- Q-13k Power Plant Average Thermal Load MW/Hr – per month in the quarter
- Q-13l Lingan Station Fuel Cost – per month in the quarter
- Q-13m Lingan Solid Fuel Cost – per month in the quarter
- Q-13n Lingan Heat Rate Report – per month in the quarter
- Q-13o Point Aconi Station Fuel Cost – per month in the quarter
- Q-13p Point Aconi Solid Fuel Costs – per month in the quarter
- Q-13q Trenton 5 Station Fuel Cost – per month in the quarter
- Q-13r Trenton 5 Solid Fuel Costs – per month in the quarter
- Q-13s Trenton 6 Station Fuel Cost – per month in the quarter
- Q-13t Trenton 6 Solid Fuel Costs – per month in the quarter
- Q-13u Trenton Heat Rate Report – per month in the quarter
- Q-13v Point Tupper Station Fuel Cost – per month in the quarter
- Q-13w Point Tupper Solid Fuel Costs – per month in the quarter
- Q-13x Tufts Cove Station Fuel Cost – per month in the quarter
- Q-13y Tufts Cove Heat Rate Report – per month in the quarter
- Q-13z LM6000 Station Fuel Costs – per month in the quarter
- Q-13aa LM6000 Heat Rate Report – per month in the quarter
- Q-13ab Combustion Turbines Station Fuel Costs – per month in the quarter

- Q-13ac Port Hawkesbury Biomass Station Fuel Costs – per month in the quarter
- Q-13ad Port Hawkesbury Biomass Solid Fuel Costs – per month in the quarter

ADDITIONAL DOCUMENTS:

- FAM Data Cart Index (Non-Confidential)
- Natural Gas Market Update (Confidential – FAM Data Cart)

ANNUAL

A-1 ORGANIZATION CHART - FUELS **(Non-Confidential)**

- Full organizational chart for positions reporting to Director, Fuels, Energy and Risk Management
- Commentary notes on vacant positions and position replacements

A-2 GENERATION UNIT SUMMARY **(Non-Confidential)**

- Breakdown of generating units by type showing in-service date, net capacity, fuel type, and annual energy for the year ended.

A-3 FUEL COST SUMMARY **(Confidential)**

- Fuel costs summary by type per MWh
- Reporting periods include year to date, prior period year to date, forecast next year

A-4 FUEL SPECIFICATIONS SUMMARY **(Non-Confidential)**

- Physical characteristics and chemical specification sheets for all fuels (HFO, Diesel, Mid Sulphur Coal, Low Sulphur Coal, Petroleum Coke, Natural Gas, Biomass)

A-5 IPP CONTRACT SUMMARY **(Confidential)**

- Summary of IPP contracts including installed capacity and annual energy for the year ended.

A-6 PLANT PERFORMANCE **(Confidential/Non-Confidential)**

- Summary of capacity factor (non-confidential), availability factor (non-confidential), heat rate (confidential), and DAFOR (non-confidential) by unit
- Unit Forced Outage & Management Response (confidential)
- Unit Derates, Opacity Derates, Primary Fuel Derates (confidential)
- Generation Equipment Reporting (confidential)

A-7 PLANT MAINTENANCE (Confidential/Non-Confidential)

- Power Production unit maintenance schedule (confidential) of all units (planned vs actual and budget schedule)
- OM&G and Capital spending by station (non-confidential)
- Reporting periods include year to date, prior period year to date, forecast next year
- Identification of major projects for current year
- NOTE: The first report will provide the baseline of planned and actual plant maintenance schedules for the historical period. The baseline of OM&G and capital spending as well as the identification of major projects will be provided for the historical period with the first report.

A-8 T&D SYSTEM LINE LOSSES (Non-Confidential)

- Total line losses for reporting periods year to date, prior period year to date and forecast next year

A-9 EMISSION COMPLIANCE (Non-Confidential)

- Summary of applicable emissions targets legislated and compliance accomplished for past year and current year, and how compliance is planned for the upcoming year and five years into the future.

A-10 SUMMARY OF PROJECTED FUEL EXPENSE FOR THE NEXT 2 YEARS (Confidential)

- Summary of Fuel Costs by Type ($Millions). Detail will be provided in standardized filing requirement for the next year and high level number for second year.
- Output from Strategist model supporting forecasts
- Solid Fuel summary including projected commodity costs, ocean freight, land transportation and associated foreign exchange costs. Commodity cost details include forecast assumptions for contracted and uncommitted tonnages.
- A-10a Fuel Summary by Type
- A-10b Net Generation by Fuel Type

- A-10c Power Production Thermal Station Fuel Costs
- A-10d Power Production Solid Fuel Costs by Supplier
- A-10e Power Production Heat Rate Report
- A-10f Natural Gas Report
- A-10g Export Sales Report – Monthly Forecast
- A-10h Generation Statistics – MWh
- A-10i Generation Statistics – Renewables
- A-10j Renewables Costs (Monthly)
- A-10k Power Production Average Load Report
- A-10l Lingan Monthly Station Fuel Costs
- A-10m Lingan Solid Fuel Costs by Supplier
- A-10n Lingan Heat Rate Report
- A-10o Point Aconi Monthly Station Fuel Costs
- A-10p Point Aconi Solid Fuel Costs by Supplier
- A-10q Trenton 5 Monthly Station Fuel Costs
- A-10r Trenton 5 Solid Fuel Costs by Supplier
- A-10s Trenton 6 Monthly Station Fuel Costs
- A-10t Trenton 6 Solid Fuel Costs by Supplier
- A-10u Trenton Heat Rate Report
- A-10v Point Tupper Monthly Station Fuel Costs
- A-10w Point Tupper Solid Fuel Costs by Supplier
- A-10x Tufts Cove Thermal Station Fuel Costs
- A-10y Tufts Cove Heat Rate Report
- A-10z LM6000 Thermal Station Fuel Costs
- A-10aa Combustion Turbines Thermal Station Fuel Costs
- A-10ab Port Hawkesbury Biomass Station Fuel Costs
- A-10ac Port Hawkesbury Biomass Solid Fuel Costs by Supplier
- A-10ad Summary of [Year +1] Projected Fuel Expense – PLEXOS Output
- A-10ae Summary of [Year +1] Projected Fuel Expense – Solid Fuel Costs
- A-10af Summary of Projected Fuel Expense – [Year +1] Outlook

A-11 SUMMARY OF SALES BY CUSTOMER CLASS FOR THE NEXT 2 YEARS

(**Confidential**)

A-12 AFFILIATE TRANSACTIONS (**Confidential**)

- Summary of all fuel and power related affiliate transactions for the period

A-13 MERCURY ABATEMENT PROGRAM

(**Confidential and Non-Confidential Versions**)

- A-13a Cumulative quarterly mercury capture costs by each generating plant (non-confidential)
- A-13a Type and amount of sorbent used (oxidizing agent and absorbent) for each generating unit (confidential)
- A-13a Fuel and fuel mix by each generating plant (non-confidential)
- A-13a Tracking of emissions compared to mercury emissions cap (non-confidential)
- A-13bTechnical issues related to mercury capture technology and impacts on fuel and fuel mix (non-confidential)
- A-13b Quantitative and qualitative descriptions of the impact on fuel use (non-confidential)
- A-13c Technical or capital changes that may be required to achieve mercury emissions limits (non-confidential)
- A-13d Estimate of the amount and cost of sorbent (oxidizing agent and absorbent) anticipated for the upcoming year (confidential)

A-14 PORT HAWKESBURY BIOMASS PLANT EFFICENCY CALCULATION

(Confidential and Non-Confidential Versions)

- Summary of five years of efficiency data for the Post Hawkesbury Biomass Unit, including annual Process Efficiency

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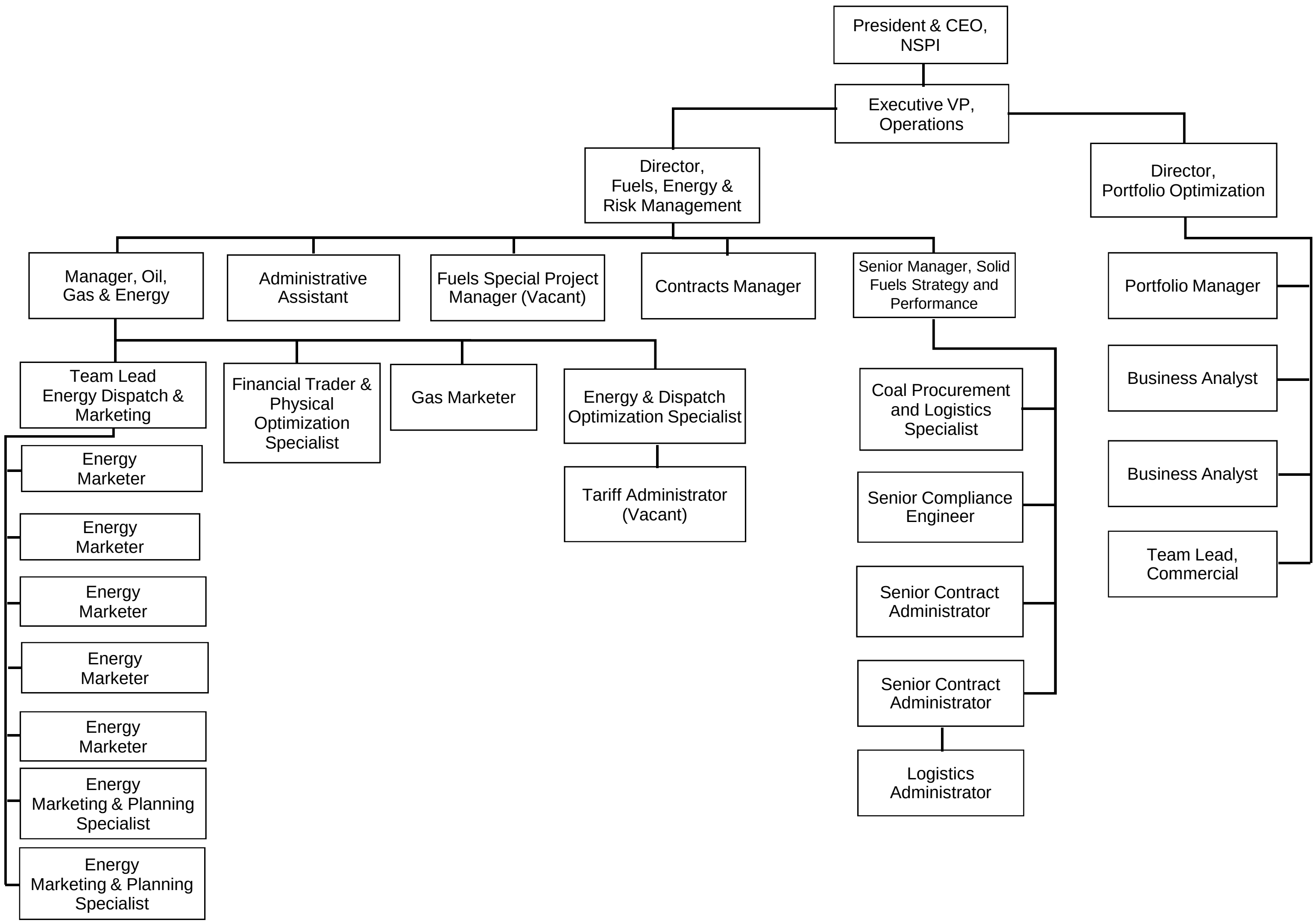
Organization Chart - Fuels



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Organization Chart Commentary

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Generation Unit Summary

Plant	Nameplate Capacity (MW)	In Service Year	Fuel Type	[Year] Annual Energy (GWh)*
Lingan Unit 1	150	1979	Coal / Petcoke	
Lingan Unit 2	150	1980	Coal / Petcoke	
Lingan Unit 3	150	1983	Coal / Petcoke	
Lingan Unit 4	150	1984	Coal / Petcoke	
Tufts Cv Unit 1	100	1965	Oil / Natural Gas	
Tufts Cv Unit 2	100	1972	Oil / Natural Gas	
Tufts Cv Unit 3	150	1976	Oil / Natural Gas	
Tufts Cv Unit 4 (LM 6000)	47	2003	Natural Gas	
Tufts Cv Unit 5 (LM 6000)	47	2005	Natural Gas	
Tufts Cv Unit 6 (LM 6000)	50	2012	Natural Gas	
Pt Tupper	150	1973	Coal / Petcoke	
Pt Aconi	165	1994	Petcoke / Coal	
Trenton Unit 5	150	1969	Coal / Petcoke	
Trenton Unit 6	160	1991	Coal / Petcoke	
Port Hawkesbury Biomass	63	2013	Biomass	
Burnside 1	30	1976	Light Oil	
Burnside 2	30	1976	Light Oil	
Burnside 3	30	1976	Light Oil	
Burnside 4	30	1976	Light Oil	
Victoria Junction 1	30	1976	Light Oil	
Victoria Junction 2	30	1975	Light Oil	
Tusket 1	24	1971	Light Oil	
Hydro System	395	Various		
NSPI Wind	82	Various		
Total	2463			

* Net generation

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Fuel Cost Summary - per MWh

Properties	Actual Year	Actual Year -1	Budget Year +1*
Fuel for Generation - Domestic Load ($M)			
Solid Fuel	$261.3	$273.8	$239.2
Natural Gas	$61.6	$79.2	$41.6
Biomass	$20.0	$24.5	$24.8
Bunker C	$34.9	$18.0	$11.3
Furnace	$2.9	$4.3	$2.0
Diesel	$2.8	$2.3	$0.6
Additives	$13.1	$13.1	$15.0
Subtotal	$396.7	$415.1	$334.5
Purchased Power	$143.3	$100.6	$206.5
Fuel for Resale Net Margin	$0.0	($5.4)	$0.0
Exports	$1.8	$0.5	$0.0
Fuel and Purchased Power	$541.8	$510.8	$541.0
Water Royalties	$1.0	$0.8	$1.0
MTM on HFO and Natural Gas	$0.0	$0.0	$0.0
Total Fuel and Purchased Power	$542.9	$511.7	$542.0
Less: Export Revenues	($1.7)	($0.8)	($0.2)
Less: Load Retention	($55.6)	($58.3)	($50.0)
Less: GRLF Fuel Costs	($1.2)	($0.9)	($0.4)
Less: 1PT RTP	($0.4)	($0.2)	($0.4)
Less: Shore Power	($0.0)	($0.0)	($0.1)
Less: Back Up/Top Up	($0.1)	$0.0	$0.0
Plus / (Less): Foreign exchange - Fuel Other	($0.4)	($0.4)	$0.0
Net Fuel and Purchased Power	$483.5	$451.1	$490.8
Total System Requirements (GWh)	11,129.8	11,046.9	11,199.0
Less: Export Sales and Losses (1)	(31.2)	(9.7)	(2.3)
GRLF Requirements (1)	(25.1)	(19.9)	(10.1)
Load Retention (1)	(1,028.2)	(1,079.1)	(1,079.4)
1PT RTP (1)	(10.1)	(4.5)	(12.0)
Shore Power (1)	(0.5)	-	(3.1)
Back Up/Top Up (1)	(1.6)	-	-
Total	10,033.0	9,933.7	10,092.1
Cost of Fuel per MWh	$48.19	$45.41	$48.63

Figures presented are rounded to one decimal place which may cause $0.1M in rounding differences on some line items
(1) Adjusted for losses
* [Year+1]Budget reflects the [BCF/GRA Source] filing of $XXM.

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Fuel Specifications Summary - HFO

HFO QUALITY SPECIFICATION

Property	Requirement	ASTM Test
Gravity, ^{0}API- Apr 1 to Dec 31 Gravity, ^{0}API- Jan 1 to Mar 31	min. 9.0 min. 9.5	D1298 D1298
Saybolt Viscosity, Furol @ 50 ^{0}C	min. 150 max. 300	D445, D2161
Flash Point, ^{0}C (^{0}F)	min. 66 (150)	D93
Sulphur, wt. %	max. 2.2 (or 1.0)	D4294
Water by Distillation, vol. %	max. 1.0	D95
Compatibility, spot	max. 1	D4740
Hydrogen Sulphide, vol. ppm *(The preceding seven Properties are referenced in Section 13.8 (a))*	200	D5705
Gross Heat of Combustion, MMBtu/Bbl	6.325	D240
Ash, wt. %	max. 0.10	D482
Sediment by Extraction, wt. %	max. 0.25	D473
Sediment by Hot Filtration, wt. %	max. 0.1	D4870
(1) Vanadium, wt. ppm	max. 300	D5863A/B (1)
Sodium, wt. ppm	max. 50	D5863B
Ashphaltenes, wt. %	max. 10	ASTM D6560-00
Pour Point, ^{0}C (^{0}F)	max. 21 (70)	D97

Notes: 1)Test method ASTM-D-5863(B) will be used at discharge port to determine if discharge should be delayed while test method 5863(A) is performed. Test method ASTM-D-5863(A) will be used for pricing calculations at discharge port, and will be binding in the event of a dispute.

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Fuel Specifications Summary - Diesel

Nova Scotia Power	**Combustion Turbine**	**Delivered Dec-Feb 28th**
Product Specifications		
Property	MIN/MAX	ASTM Test Method
Appearance	Clear and Bright	Visual
Density,Kg/M3	0.850	D1298
Distillation 90% Recovered	290.0 MAX	D86
Cloud Point	CP -34 MAX Temp	D2500
Pour Point(Deg C)	Report	D97
Viscosity	1.1 min-1.8 Max	D445
Octane Number	40 MIN	D613
Sulfur, wt. %	0.1max	D1552
Corrosion-Copper-3 hours@ 50c	No.1 Max	D180
Micro Carbon Residue 10% Bottoms % Mass	0.1 Max	D4530
Flash Degrees C	40 min	D93
Water and Sediment, Volume %	0.05 max	D1796
Ash, wt. %	0.01max	D482
Trace Metals ppm by wt.%		D3605
Vanadium	0.2 max	
Sodium plus Potassium	0.6 max	
Calcium	2.0 max	
Lead	0.1 max	

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Fuel Specifications Summary - Diesel

Nova Scotia Power	Combustion Turbine	Delivered March 1-Nov 30
Product Specifications		
Property	MIN/MAX	ASTM Test Method
Appearance	Clear and Bright	Visual
Density,Kg/M3	0.881	D1298
Distillation 90% Recovered	360.0 MAX	D86
Cloud Point	note 1	D2500
Pour Point(Deg C)	note 1	D97
Viscosity	1.1 min-3.6 Max	D445
Octane Number	40 MIN	D613
Sulfur, wt. %	0.1max	D1552
Corrosion-Copper-3 hours@ 50c	No.1 Max	D180
Micro Carbon Residue !05 Bottoms % Mass	0.2 Max	D4530
Flash Degrees C	40 min	D93
Water and Sediment, Volume %	0.05 max	D1796
Ash, wt. %	0.01max	D482
Trace Metals ppm by wt.%		D3605
Vanadium	0.2 max	
Sodium plus Potassium	0.6 max	
Calcium	2.0 max	
Lead	0.1 max	

Note: Operatbility of fuel shall meet seasonal conditions

Fuel Specifications Summary - Mid Sulphur Coal

TECHNICAL SPECIFICATION - LOW MID COAL

Properties (As Received Basis)	Typical	Minimum	Maximum	Applicable ASTM Standard
Moisture	7%	-	12%	D3302
Free Moisture	-	-	3%	D3302
Ash	7%	-	12%	D3172
Sulphur	-	-	3.0%	D3177
Volatile Matter	35%	30%	-	D3175
Calorific Value (Btu/lb.)	-	12,800	-	D5865
Grindability (HGI)	50-60	50	65	D409
Size (Topsize)	-	-	2" x 0	D4749
Size (Fines < 0.5 mm)	-	-	10%	D4749
Mercury		Indicate typical level in bid		D6414 or D6722
Chlorine			1100 ppm	D4208-02

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Fuel Specifications Summary - Low Sulphur Coal

TECHNICAL SPECIFICATION - LOW SULPHUR COAL

Properties (As Received Basis)	Typical	Minimum	Maximum	Applicable ASTM Standard
Moisture	7%	-	9%	D3302
Free Moisture	-	-	3%	D3302
Ash	7%	-	9%	D3172
Sulphur	0.65%	-	1.10%	D3177
Volatile Matter	34%	30%	-	D3175
Calorific Value (Btu/lb.)	-	10,800	13,400	D5865
Grindability (HGI)	45-55	42	65	D409
Size (Topsize)	-	-	2" x 0	D4749
Size (Fines < 0.5 mm)	-	-	10%	D4749
Chlorine	-	-	1100 ppm	D4208-02
Mercury	Indicate typical level in bid			D6414 or D6722

Penalties/Premiums may be negotiated for Calorific Value, Sulphur, and Moisture with successful bidders.

Fuel Specifications Summary - Petroleum Coke

TECHNICAL SPECIFICATION - PETROLEUM COKE

Type: Delayed Petroleum Coke, Shot Coke only.

Properties (As Received Basis)	Typical	Minimum	Maximum	Applicable ASTM Standard
Moisture	7%	-	9%	D3302
Ash	0.5%	0.2%	1.0%	D3172
Sulphur	4-6%	-	6.5%	D3177
Volatile Matter	10%	8%	-	D3175
Calorific Value (Btu/lb.)	14,000	13,900	-	D5865
Grindability (HGI)	40	30	55	D409
Size (Topsize)	-	-	2" x 0	D4749
Size (Fines < 0.5 mm)	-	-	12%	D4749
Vanadium, ppm	800		1900	D5056
Nickel, ppm	100		750	D5056
Mercury	Indicate typical level in bid			D6414-01
Chlorine			1100 ppm	D4208-02

Penalties/Premiums may be negotiated for Calorific Value, Sulphur, and Moisture with successful bidders

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Fuel Specifications Summary - Natural Gas

Total Heating Value

(a) Natural gas received or delivered hereunder shall have a Total Heating Value below 36 MJ/m^3 or above 41 MJ/m^3.

(b) The Total Heating Value shall be determined by gas chromatographic analysis using most recent AGA standards or any revision thereof, or by other methods mutually agreed upon by Customer and Pipeline.

Composition

(a) Merchantability. The gas shall be commercially free, under continuous gas flow conditions, from objectionable odors (except those required by applicable regulations), solid matter, dust, gums, and gum-forming constituents which might interfere with its merchantability or cause injury to or interference with proper operations of the pipelines, compressor stations, meters, regulators or other appliances through which it flows.

(a) Oxygen. The gas shall not have an uncombined oxygen content in excess of two-tenths (0.2) of one percent (1%) by volume, and both parties shall make every reasonable effort to keep the gas free from oxygen.

(b) Non-Hydrocarbon Gases. The gas shall not contain more than four percent (4%) by volume, of a combined total of non-hydrocarbon gases (including carbon dioxide and nitrogen); it being understood, however, that the total carbon dioxide content shall not exceed three percent (3%) by volume.

(c) Liquids. The gas shall be free of water and hydrocarbons in liquid form at the temperature and pressure at which the gas is received and delivered.

(d) Hydrogen Sulphide. The gas shall not contain more than six (6) milligrams of hydrogen sulphide per one (1) Cubic Metre.

(e) Total Sulphur. The gas shall not contain more than four-hundred and sixty (460) milligrams of total sulphur, excluding any mercaptan sulphur, per one (1) Cubic Metre.

(f) Temperature. The gas shall not have a temperature of more than forty-nine degrees (49^o) Celsius.

(g) Water Vapor. The gas shall not contain in excess of eighty (80) milligrams of water vapor per one (1) Cubic Metre.

(h) Liquefiable Hydrocarbons. The gas shall not contain liquid hydrocarbons or hydrocarbons liquefiable at temperatures warmer than minus nine degrees (-9^o) Celsius and normal pipeline operating pressures of between 690 and 9930 kPag.

(i) Microbiological Agents. The gas shall not contain any microbiological organism, active bacteria or bacterial agent capable of contributing to or causing corrosion and/or operational and/or other problems.

Microbiological organisms, bacteria or bacterial agents include, but are not limited to, sulfate reducing bacteria (SRB) and acid producing bacteria (APB). Tests for bacteria or bacterial agents shall be conducted on samples taken from the meter run or the appurtenant piping using American Petroleum Institute (API) test method API-RP38 or any other test method acceptable to Pipeline and Customer which is currently available or may become available at any time.

Fuel Specifications Summary - Biomass

Biomass Fuel shall be delivered as chips or hogged material commuted to a nominal size of thirty-five (35) to thirty-seven (37) millimeters or smaller and shall not contain more than three percent (3%) by volume of pieces greater than one hundred fifty (150) millimeters in length. The percentage of Biomass Fuel less than six (6) millimeters shall be less than approximately twenty-five percent (25%) of the total quantity.

All Biomass Fuel shall be substantially free of extraneous material including, but not limited to, rock, iron, steel, wire, construction debris, gravel, soil, metal, plastic and industrial waste.

All Biomass Fuel shall be comprised of natural, untreated and uncoated wood and wood waste, which, at no stage in its lifecycle, has been treated with organic and/or inorganic substances to change, protect or supplement the physical properties of the materials.

Biomass Fuel shall meet the following average moisture content requirements (wet basis):

(i) Secondary forest biomass:

(a) November to April deliveries: Monthly average of fifty-five percent (55%) or less with no deliveries exceeding sixty percent (60%);

(b) May to October deliveries: Monthly average of fifty percent (50%) or less with no deliveries exceeding fifty-five percent (55%).

(ii) Primary forest biomass:

(a) November to April deliveries: Monthly average of forty-seven percent (47%) or less with no deliveries exceeding fifty-five percent (55%);

(b) May to October deliveries: Monthly average of forty-three percent (43%) or less with no deliveries exceeding fifty percent (50%).

The Biomass Fuel shall not contain a level of chlorides or metals which, in the sole discretion of NSPI, would cause damage to or interfere with the operation of the boiler or ash management programs.

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IPP Contract Summary

Counterparty	Location	Contract Start Date	Contract End Date	Installed Capacity MW	Actual 2015 $'000s	Actual 2015 MWh	Budget* 2015 MWh
Counterparty	Location						
Counterparty	Location						
Counterparty	Location						
Counterparty	Location						
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Counterparty	Location						
Counterparty	Location						
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Counterparty	Location						
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Counterparty	Location						
Total IPP Wind							
Counterparty	Location						
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Counterparty	Location						

Counterparty	Location	Contract Start Date	Contract End Date	Installed Capacity MW	Actual 2015 $'000s	Actual 2015 MWh	Budget* 2015 MWh
Counterparty	Location						
Counterparty	Location						
Counterparty	Location						
Counterparty	Location						
Counterparty	Location						
Counterparty	Location						
Total COMFIT							
Counterparty	Location						
Counterparty	Location						
Counterparty	Location						
Counterparty	Location						
Counterparty	Location						
Counterparty	Location						
Total Other IPPs							
Total IPP Renewables							

* [Year] Budget reflects the [Year] [Source] forecast of $XXS M presented to SWG in [Month Year]

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Plant Performance

Capacity Factor	Q1	Q2	Q3	Q4	Annual Actual	Year Budget*	Prior Year
Plant							
Lingan Unit 1							
Lingan Unit 2							
Lingan Unit 3							
Lingan Unit 4							
Tufts Cv Unit 1							
Tufts Cv Unit 2							
Tufts Cv Unit 3							
Tufts Cv Unit 4 (LM 6000)							
Tufts Cv Unit 5 (LM 6000)							
Pt Tupper							
Pt Aconi							
Trenton Unit 5							
Trenton Unit 6							

Definition: Capacity factor = Actual Net GWh / (Net Operating Capacity X 8760 hrs)
* [Year][Source] presented to SWG in [Month Year] of $XXX M
(1) This value represents the combined capacity factor for Tufts Cv Unit 4, 5, and 6

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Plant Performance

Availability Factor	Q1	Q2	Q3	Q4	Annual Actual	Year Budget*	Prior Year
Plant							
Lingan Unit 1							
Lingan Unit 2							
Lingan Unit 3							
Lingan Unit 4							
Tufts Cv Unit 1							
Tufts Cv Unit 2							
Tufts Cv Unit 3							
Tufts Cv Unit 4 (LM 6000)							
Tufts Cv Unit 5 (LM 6000)							
Pt Tupper							
Pt Aconi							
Trenton Unit 5							
Trenton Unit 6							

Definition: Availability = (Operating hours + ABNO Outages) / 8760 hrs
* [Year][Source] presented to SWG in [Month Year] of $XXX M

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Plant Performance

Heat Rates	Q1	Q2	Q3	Q4	Annual Actual	Annual Budget*	Prior Year
Plant							
Lingan Unit 1							
Lingan Unit 2							
Lingan Unit 3							
Lingan Unit 4							
Tufts Cv Unit 1							
Tufts Cv Unit 2							
Tufts Cv Unit 3							
Tufts Cv Unit 4, 5, 6 (LM 6000) (1)							
Pt Tupper							
Pt Aconi							
Trenton Unit 5							
Trenton Unit 6							

Note: Heat rates may vary quarterly partly due to inventory and other adjustments.
* [Year][Source] presented to SWG in [Month Year] of $XXX M
(1) Actual and Budget results represent the combined heat rate for Tufts Cv Unit 4, 5, and 6.

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Plant Performance

DAFOR	Q1	Q2	Q3	Q4	Annual Actual	Annual Budget*	Prior Year
Plant							
Lingan Unit 1							
Lingan Unit 2							
Lingan Unit 3							
Lingan Unit 4							
Tufts Cv Unit 1							
Tufts Cv Unit 2							
Tufts Cv Unit 3							
Tufts Cv Unit 4 (LM 6000)							
Tufts Cv Unit 5 (LM 6000)							
Tufts Cv Unit 6 (LM6000)							
Pt Tupper							
Pt Aconi							
Trenton Unit 5							
Trenton Unit 6							

Definition: DAFOR = Equivalent Forced Outage time / (Equivalent Forced Outage Time + Total Equivalent Operating time)
* [Year][Source] presented to SWG in [Month Year] of $XXX M

Plant Performance

Unit Forced Outage & Management Response

Unit forced outages are investigated for root cause. Maintenance is completed to return the unit to service promptly and allow the unit to operate to the next scheduled outage.

Maintenance records are generated when further inspection or repairs are required and applied to all similar equipment where applicable. Operational procedures and training are initiated when enhanced skills or knowledge will improve performance.

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Plant Performance

Unit Forced Outage & Management Response

Plant	Date	Forced Outage Reason / Root Cause	Duration (hrs)	Management Response

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Plant Performance

Generation Equipment Reporting	Q1	Q2	Q3	Q4	Annual Actual
Operating Factor (OF)					
Utilization of Forced Outage Probability (UFOP)					
Forced Outage Rate (FOR)					
Derated Adjusted Forced Outage Rate (DAFOR)					
Incapability Factor (ICBF)					
Maintenance Outage Factor (MO)					
Planned Outage Factor (PO)					
Failure Rate (FR)					
Type and Number of Forced Outages					
Type 21 - 1 *(Forced Outage - Sudden Forced Outage)*					
Type 21 - 2 *(Forced Outage - Immediately Deferrable Forced Outage)*					
Type 21 - 3 *(Forced Outage - Deferrable Forced Outage)*					
Type 21 - 4 *(Forced Outage - Starting Failure Outage)*					
FEMO					
FEPO					
Total:					
Type and Number of Start Type					
Cold					
Warm					
Hot					
Total:					

FEMO: The number of times the generating units were in a forced extension of a maintenance outage state.
FEPO: The number of times the generating units were in a forced extension of a planned outage state.
Note: Pt. Hawksbury Biomass has been included in GM stats for [Year]. [Has this impacted the results?]

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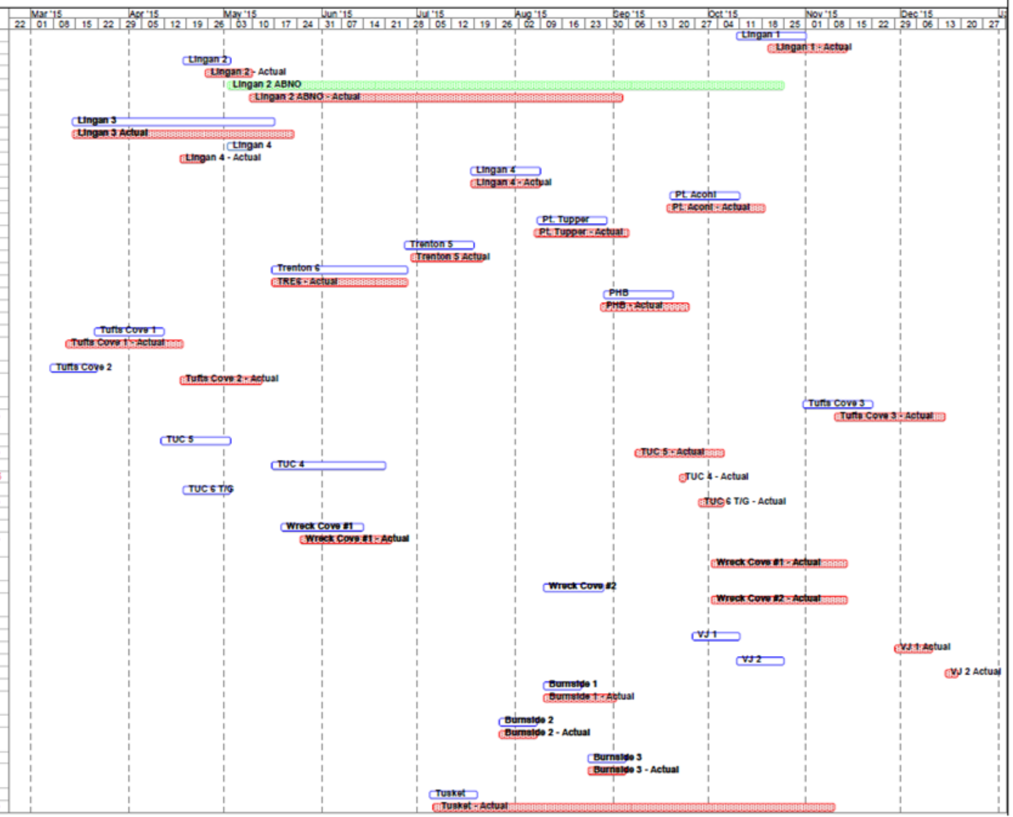
Plant Maintenance

[Year] Thermal Maintenance Schedule - Actual vs. Planned

2015 Thermal Maintenance Schedule
(Planned vs Actuals 2015)

ID	Task Name	Duration	Start	Finish
1	Lingan 1	22 days	Sat 10/10/15	Sat 10/31/15
2	Lingan 1 - Actual	25 days	Tue 10/20/15	Fri 11/13/15
3	Lingan 2	15 days	Sat 04/18/15	Sat 05/02/15
4	Lingan 2 - Actual	15 days	Sat 04/25/15	Sat 05/09/15
5	Lingan 2 ABNO	176 days	Sat 05/02/15	Sat 10/24/15
6	Lingan 2 ABNO - Actual	118 days	Sat 05/09/15	Thu 09/03/15
7	Lingan 3	64 days	Sat 03/14/15	Sat 05/16/15
8	Lingan 3 Actual	70 days	Sat 03/14/15	Fri 05/22/15
9	Lingan 4	8 days	Sat 05/02/15	Sat 05/09/15
10	Lingan 4 - Actual	8 days	Fri 04/17/15	Fri 04/24/15
11	Lingan 4	22 days	Sat 07/18/15	Sat 08/08/15
12	Lingan 4 - Actual	22 days	Sat 07/18/15	Sat 08/08/15
13	Pt. Aconi	22 days	Sat 09/19/15	Sat 10/10/15
14	Pt. Aconi - Actual	31 days	Fri 09/18/15	Sun 10/18/15
15	Pt. Tupper	22 days	Sat 08/08/15	Sat 08/29/15
16	Pt. Tupper - Actual	30 days	Fri 08/07/15	Sat 09/05/15
17	Trenton 5	22 days	Sat 06/27/15	Sat 07/18/15
18	Trenton 5 Actual	23 days	Mon 06/29/15	Tue 07/21/15
19	Trenton 6	43 days	Sat 05/16/15	Sat 06/27/15
20	TRE6 - Actual	43 days	Sat 05/16/15	Sat 06/27/15
21	PHB	22 days	Sat 08/29/15	Sat 09/19/15
22	PHB - Actual	28 days	Fri 08/28/15	Thu 09/24/15
23				
24	Tufts Cove 1	22 days	Sat 03/21/15	Sat 04/11/15
25	Tufts Cove 1 - Actual	37 days	Thu 03/12/15	Fri 04/17/15
26	Tufts Cove 2	15 days	Sat 03/07/15	Sat 03/21/15
27	Tufts Cove 2 - Actual	26 days	Fri 04/17/15	Tue 05/12/15
28	Tufts Cove 3	22 days	Sat 10/31/15	Sat 11/21/15
29	Tufts Cove 3 - Actual	35 days	Tue 11/10/15	Mon 12/14/15
30	TUC 5	22 days	Sat 04/11/15	Sat 05/02/15
31	TUC 5 - Actual	28 days	Tue 09/08/15	Mon 10/05/15
32	TUC 4	36 days	Sat 05/16/15	Sat 06/20/15
33	TUC 4 - Actual	2 days	Tue 09/22/15	Wed 09/23/15
34	TUC 6 T/G	15 days	Sat 04/18/15	Sat 05/02/15
35	TUC 6 T/G - Actual	8 days	Mon 09/28/15	Mon 10/05/15
36				
37	Wreck Cove #1	26 days	Mon 05/18/15	Sat 06/13/15
38	Wreck Cove #1 - Actual	29 days	Mon 05/25/15	Mon 06/22/15
39	Wreck Cove #1 - Actual	43 days	Fri 10/02/15	Fri 11/13/15
40	Wreck Cove #2	19 days	Mon 08/10/15	Fri 08/28/15
41	Wreck Cove #2 - Actual	43 days	Fri 10/02/15	Fri 11/13/15
42				
43	VJ 1	15 days	Sat 09/26/15	Sat 10/10/15
44	VJ 1 Actual	12 days	Sun 11/29/15	Thu 12/10/15
45	VJ 2	15 days	Sat 10/10/15	Sat 10/24/15
46	VJ 2 Actual	4 days	Tue 12/15/15	Fri 12/18/15
47	Burnside 1	12 days	Mon 08/10/15	Fri 08/21/15
48	Burnside 1 - Actual	23 days	Mon 08/10/15	Tue 09/01/15
49	Burnside 2	12 days	Mon 07/27/15	Fri 08/07/15
50	Burnside 2 - Actual	12 days	Mon 07/27/15	Fri 08/07/15
51	Burnside 3	12 days	Mon 08/24/15	Fri 09/04/15
52	Burnside 3 - Actual	12 days	Mon 08/24/15	Fri 09/04/15
53	Tusket	15 days	Sun 07/05/15	Sun 07/19/15
54	Tusket - Actual	127 days	Mon 07/06/15	Mon 11/09/15



Commentary:
NSPI monitors various indicators throughout the year as the Thermal Maintenance Shutdown Schedule unfolds and adjusts the Schedule appropriately in response to changing conditions. The key indicators that NSPI monitors include: Fuel Pricing, Energy Sales / Purchase Opportunity, Analysis of Safety and Cost Risk, Transmission / Distribution Limitations, Availability of Resources (i.e. Critical Parts, Contractors, Construction Resources, Manpower, etc.). Various groups within NSPI, including Power Production, Fuels and the Control Centre, work together and share information on the indicators listed above. Together they make coordinated decisions and take advantage of the changing conditions to reduce outage costs.

Nova Scotia Power Inc.
Annual FAM Reporting
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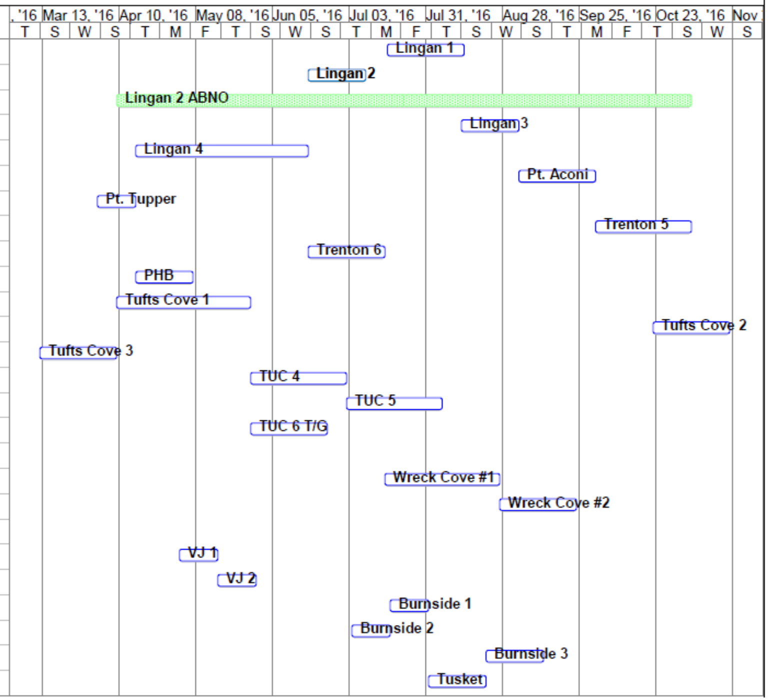
Plant Maintenance

2016 Plant Maintenance Schedule Plan - Budget

2016 Thermal Maintenance Schedule
(As of July 2, 2015)

ID	Task Name	Duration	Start	Finish
1	Lingan 1	4 ewks	Sat 07/16/16	Sat 08/13/16
2	Lingan 2	3 ewks	Sat 06/18/16	Sat 07/09/16
3	Lingan 2 ABNO	30 ewks	Sat 04/09/16	Sat 11/05/16
4	Lingan 3	3 ewks	Sat 08/13/16	Sat 09/03/16
5	Lingan 4	9 ewks	Sat 04/16/16	Sat 06/18/16
6	Pt. Aconi	4 ewks	Sat 09/03/16	Sat 10/01/16
7	Pt. Tupper	2 ewks	Sat 04/02/16	Sat 04/16/16
8	Trenton 5	5 ewks	Sat 10/01/16	Sat 11/05/16
9	Trenton 6	4 ewks	Sat 06/18/16	Sat 07/16/16
10	PHB	3 ewks	Sat 04/16/16	Sat 05/07/16
11	Tufts Cove 1	7 ewks	Sat 04/09/16	Sat 05/28/16
12	Tufts Cove 2	4 ewks	Sat 10/22/16	Sat 11/19/16
13	Tufts Cove 3	4 ewks	Sat 03/12/16	Sat 04/09/16
14	TUC 4	5 ewks	Sat 05/28/16	Sat 07/02/16
15	TUC 5	5 ewks	Sat 07/02/16	Sat 08/06/16
16	TUC 6 T/G	4 ewks	Sat 05/28/16	Sat 06/25/16
17				
18	Wreck Cove #1	6 ewks	Sat 07/16/16	Sat 08/27/16
19	Wreck Cove #2	4 ewks	Sat 08/27/16	Sat 09/24/16
20				
21	VJ 1	2 ewks	Mon 05/02/16	Mon 05/16/16
22	VJ 2	2 ewks	Mon 05/16/16	Mon 05/30/16
23	Burnside 1	2 ewks	Mon 07/18/16	Mon 08/01/16
24	Burnside 2	2 ewks	Mon 07/04/16	Mon 07/18/16
25	Burnside 3	3 ewks	Mon 08/22/16	Mon 09/12/16
26	Tusket	3 ewks	Mon 08/01/16	Mon 08/22/16



Commentary:
NSPI monitors various indicators throughout the year as the Thermal Maintenance Shutdown Schedule unfolds and adjusts the Schedule appropriately in response to changing conditions. The key indicators that NSPI monitors include: Fuel Pricing, Energy Sales / Purchase Opportunity, Analysis of Safety and Cost Risk, Transmission / Distribution Limitations, Availability of Resources (i.e. Critical Parts, Contractors, Construction Resources, Manpower, etc.) Various groups within NSPI, including Power Production, Fuels and the Control Centre, work together and share information on the indicators listed above. Together they make coordinated decisions and take advantage of the changing conditions to reduce outage costs.

*ewks = estimated weeks

Nova Scotia Power Inc.
Annual FAM Reporting
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Plant Maintenance

OM&G and Capital Spending	Actual Year	Actual Year -1	Actual Year -2	Actual Year -3	Actual Year -4	Actual Year -5	Actual Year -6	Actual Year -7	Budget Year	Budget Year +1
OM&G Expense by Operating Group										
Lingan										
Tuft's Cove										
Pt Tupper										
Pt. Aconi										
Trenton										
Hydro										
Wind										
Combustion Turbine										
Plant Operations										
Biomass										
Fuel, Energy & Risk Management										
Total										
Capital Spending by Station										
Lingan										
Tuft's Cove										
Pt Tupper										
Pt. Aconi										
Trenton										
Hydro										
Combustion Turbine (Includes LMs)										
PH Biomass										
Wind										
Glace Bay										
Fuel, Energy & Risk Management										
Total										

Commentary:

Nova Scotia Power Inc.
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Plant Maintenance

Major Projects - [Year]

Project	Station

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Annual FAM Reporting
Year [20XX]

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Plant Maintenance

Major Projects - [Year +1]

Project	Station

Nova Scotia Power Inc.
Annual FAM Reporting
Year [20XX]

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System Losses

GWh	Actual [Year]	Actual [Year -1]	Budget [Year]*	Budget [Year +1]**
Total System Requirements				
Domestic Electric Sales				
Export Sales				
Net System Losses				
%				

* [Year] [Source] Forecast presented to SWG in [Month Year]
** [Year +1] Budget reflects the [Source] filing of $XXX M.

Nova Scotia Power Inc.
Annual FAM Reporting
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Emission Compliance

Commentary

Nova Scotia Power (NSPI) is required to manage air emissions to annual fleet wide limits, as per the NS Air Quality Regulations and the NS Greenhouse Gas (GHG) Emission Regulations. NSPI has been fully compliant with legislated emission targets each year.

The fleet wide limit of sulphur dioxide (SO2) emissions for 2015-2019 inclusive is 304,500 tonnes. This is equivalent to an annual average limit of 60,900 tonnes.

The [Year] limit on annual emissions of mercury (Hg) was [##] kg. NSPI continued the operation of seven (7) sorbent injection systems that were installed in 2009. The mercury emissions were within this limit in [Year] at [##] kg. The [Year +1] emission limit for mercury will remain at [##] kg. Under current regulations, any NSPI emissions of Hg above 65 kg for 2010-2013 must be made up by 2020.

NSPI manages its actual air emissions (SO_2 and to some extent mercury) by purchasing and combusting specific quality fuels and procuring power from other sources (i.e., Imports and Independent Power Producers), and by increasing the amount of renewable generation.

From 2015 to the end of 2019 there is a compliance limit total of 96,140 tonnes for nitrogen oxides (NOx) emissions, which is equivalent to an annual average limit of 19,228 tonnes. The [Year] NOx emissions were [###] tonnes. NSPI continued the operation of the low NO_x Combustion Firing Systems (LNCFS) on all Lingan units, Point Tupper and Trenton 6. These LNCFS additions represent the primary approach to reduce NO_x emissions.

The GHG emission limit for the three-year period of [Years covered] has been set at [##] million tonnes CO2 eq. This equates to the approximate targets of [##] million tonnes in [Year], [##] million tonnes in [Year +1], and [##] million tonnes in [Year +2]. In [Year], NSPI emitted [##] tonnes of CO2 eq. The [Year +1] emissions are estimated at [##] tonnes of CO2 eq. and subject to third party verification before finalized. In addition, NSPI will be applying for a GHG emission credit for [Year +2], related to transmission upgrades to support renewable generation.

In addition to these fleet-wide caps, each generating facility operates within an Industrial Operating Approval which requires ground level ambient air quality to be maintained, plume visibility to be within limits and, in some cases, specific emission standards to be met. This is accomplished by maintaining the plant equipment in good working order and operating the plant within the specified limits.

Fuel Summary by Type

NSPI (FAM) A-10a
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NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
Fuel & PP (Domestic Load On													
Solid Fuel													
Natural Gas													
Biomass													
Bunker C													
Furnace													
Diesel													
Additives - Mercury													
Additives													
Subtotal													
Fuel for Generation													
Purchased Power													
Imports													
IPP													
Wind Purchases													
COMFIT													
Total Purchased Power													
Fuel & PP (Domestic Load On													
Fuel for Resale													
Costs													
Recoveries													
Net Cost (Benefit)													
Export Sales													
Costs													
Recoveries													
Net Cost (Benefit)													
Net Fuel and Purchased Powe													
Water Royalties													
Total Fuel and Purchased Po													
Total Fuel & PP													
FUEL COST PER Mwh:													
$/MWh on Total Generation													
$/MWh - no gas margin													
$/Mwh - no export costs													
$/Mwh - no export costs & n (Domestic Load Onl													

Net Generation by Fuel Type

NSPI (FAM) A-10b
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
Net Generation (MWh)													
Lingan													
Solid Fuel													
HFO													
Tufts Cove													
HFO													
Natural Gas													
LM6000 - Natural Gas													
Trenton 5													
Solid Fuel													
HFO													
Trenton 6													
Solid Fuel													
HFO													
Point Tupper													
Solid Fuel													
HFO													
Point Aconi													
Solid Fuel													
Port Hawkesbury Biomass													
Solid Fuel													
Combustion Turbines													
Diesel													
Natural Gas													
Total Thermal Production													
Solid Fuel													
Natural Gas													
HFO													
Diesel													
Subtotal													
Purchases													
Imports													
IPP													
Wind Purchases													
COMFIT													
Subtotal													
Renewables													
Total System Requirement													
Net Generation Percentages													
Solid Fuel													
Natural Gas													
HFO													
Diesel													
Purchases													
Hydro & Tidal													

Power Production Thermal Station Fuel Costs

NSPI (FAM) A-10c
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NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	*FEB-16 Forecast*	*MAR-16 Forecast*	*APR-16 Forecast*	*MAY-16 Forecast*	*JUN-16 Forecast*	*JUL-16 Forecast*	*AUG-16 Forecast*	*SEP-16 Forecast*	*OCT-16 Forecast*	*NOV-16 Forecast*	*DEC-16 Forecast*	*Total Forecast*
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Natural Gas													
MMBTU													
Costs													
$ per MMBTU													
Biomass													
Green MT													
MMBtu													
Costs													
$ per Green MT													
$ per MMBtu													
Bunker C													
Barrels													
MMBTU													
Costs													
$ per Barrel													
$ per MMBTU													
Diesel													
Gallons													
MMBTU													
Costs													
$ per Gallon													
$ per MMBTU													
Furnace													
Gallons													
MMBTU													
Costs													
$ per Gallon													
$ per MMBTU													
All Fuels													
MMBTU													
Costs													
$ per MMBTU													
Additives Costs													
Additives - Hg													
Total Consumed Costs													
Purchased Power													
Total Fuel and Purchased Po													
$/Mwh													
FX Adjustment on Consumed F													
Solid Fuel													
Natural Gas													
Bunker C													
Purchased Power													
Additives - Hg													
Total FX Adjustments													
FX Adj'd Fuel & PP													
$/Mwh (FX Adj'd)													
Fuel for Resale													
Costs													
Recoveries													
Net Cost (Benefit)													
FX Adjustment on Revenue													
FX Adj on Costs													
FX Adj'd Cost(Benefit)													
Other Costs													
Adjustments													

MTM on HFO and Natural Gas													
Total Other Costs													
Total Fuel & PP													
Newpage Gas Loss													
Total Fuel and Purchased Po													

Power Production Solid Fuel Costs by Supplier

NSPI (FAM) A-10d
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NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Import													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Domestic													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Pet Coke													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Other													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
All Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Blend Percentages (Tonnes)													
Import													
Domestic													
Pet Coke													
Biomass													

Power Production Heat Rate Report

NSPI (FAM) A-10e
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NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
Net Generation by Plant (MW													
Lingan													
Tufts Cove													
Trenton													
Point Tupper													
Point Aconi													
Port Hawkesbury Biomass													
Combustion Turbines													
LM6000 Combined Cycle (Unit													
Total System													
Fuel Consumption by Plant (													
Lingan													
Tufts Cove													
Trenton													
Point Tupper													
Point Aconi													
Port Hawkesbury Biomass													
Combustion Turbines													
LM6000 Combined Cycle (Unit													
Total System													
Heat Rate by Plant													
Lingan													
Tufts Cove													
Trenton													
Point Tupper													
Point Aconi													
Port Hawkesbury Biomass													
Combustion Turbines													
LM6000 Combined Cycle (Unit													
Total System													
Fuel Cost by Plant (Includi													
Lingan													
Tufts Cove													
Trenton													
Point Tupper													
Point Aconi													
Port Hawkesbury Biomass													
Combustion Turbines													
LM6000 Combined Cycle (Unit													
Total System													
Fuel Cost per MWh by Plant													
Lingan													
Tufts Cove													
Trenton													
Point Tupper													
Point Aconi													
Port Hawkesbury Biomass													
Combustion Turbines													
LM6000 Combined Cycle (Unit													
Total System													

NSPI (FAM) A-10f
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Natural Gas Report

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Sales (Mmbtu)													
Sales ($$)													
Revenue													
Revenue- Gas Margin Deferra													
Gain/(Loss) on Derivatives													
Cost of Sales													
Shell Gas													
Newpage Gas													
Fuel													
Net Margin/Mmbtu ($/Mmbtu)													
FX Adj. on Gas Margin													
FX Adjusted Natural Gas Mar													
FX Adj. $/Mmbtu													

Export Sales Report - Monthly Forecast

NSPI (FAM) A-10g
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Sales (Mwh)													
Generation													
Losses													
Sales (Billed)													
Sales ($$)													
Cost of Sales													
Lingan 1/2													
Lingan 3/4													
Trenton													
Pt. Tupper													
Pt. Aconi													
Tufts Cove													
HFO													
Natural Gas													
LM6000													
Combustion Turbines													
Purchased Power													
Total Costs													
Net Margin on Exports													
($/Mwh)													

GENERATION STATISTICS - MWh

NSPI (FAM) A-10h
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Lingan													
Tufts Cove													
Trenton													
Point Tupper													
Point Aconi													
Combustion Turbines													
LM6000													
Renewables													
Total Generation													
Purchased Power													
Imports													
IPP													
Wind													
COMFIT													
Total Purchases													
Total MWhs Available													
Domestic Revenue													
Exports													
Total Electric Revenue													
Line and Other Losses													
Export Percentage of Total													

GENERATION STATISTICS - RENEWABLES

NSPI (FAM) A-10i
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
Renewables - NSPI-owned													
Hydro													
Dickie Brook Hydro													
Tusket Hydro													
Bear River Hydro Syst													
Avon Hydro System													
Lequille Hydro System													
Annapolis Tidal Power													
St.Margaret's Hydro S													
Sheet Harbour Hydro S													
Black River Hydro Sys													
Mersey Hydro System													
Roseway & Harmony Hyd													
Wreck Cove Hydro Syst													
Fall River Hydro													
TOTAL													
Wind													
Grand Etang Wind Turb													
203 Nuttby Wind Farm													
Digby Wind Farm													
TOTAL													
Biomass													
Port Hawkesbury Biomass													
Total NSPI Renewables													
Renewables - IPP-owned													
Wind													
Pubnico Point Wind Farm													
Lingan													
Glace Bay 1B													
Port Caledonia (Donkin)													
Gillis Cove													
Tiverton (Londonderry)													
Springhill													
Higgins Mountain													
Goodwood													
Brookfield (Lake Major)													
Fitzpatrick Mountain													
Point Tupper 1													
Digby													
Tatamagouche (Marshville/R													
Amherst													
Dalhousie Mountain													
Glen Dhu North													
Maryvale													
Point Tupper 3													
Watts Section													
Fairmont													
Dunvegan													
Granville Ferry													
Isle Madame													
Creignish Rear													
Irish Mountain													
South Cape Mabou													
Spiddle Hill													
Cape North													
Donkin													
Sable Wind													
South Canoe													
Other													
TOTAL IPP WIND													
COMFIT													
158- Spiddle Hill (Colchest													
074- Town of New Glasgow													
111-2 District of Guysboro													
072- Spiddle Hill T800N													
271- Windmill Holsteins Bio													
162- Kaizer Meadow													
216- St. Rose													
171- Isle Madame													
222- Little River													
225- Martock Ridge													
277- Barrington													
084- New Glasgow													

212- Cape Breton	
109- Melford	
081- Harbourside Biomass	
264- Hillside Boularderie	
150- Gaetz Brook	
138- District of Shelburne	
077- Pockwock Wind Limited	
143- District of Digby	
375- Barrachois Wind Farm	
226- Nine Mile River	
240- Whynotts	
241- Truro Heights	
242- Truro-Millbrook	
251- Aulds Mountain	
272- North Beaver Bank	
273- Black Pond	
311- Hefler Forest Products	
280- Tatamagouche Wind Fiel	
116- Universite Sainte-Anne	
161- Town of Amherst	
193- Cheticamp	
283- Halifax Water	
198- Celtic Current - Mulgr	
118- Pictou - Riverton Phas	
317- Pictou - Riverton Phas	
181- Affinity - Fitzpatrick	
182- Affinity - Kemptown	
183- Affinity - Greenfield	
184- Affinity - Limerock Mt	
235- Watts Wind - Wedgeport	
086- Ketch Harbour	
139- Avondale	
205- Fundy Tidal	
243- Chebucto Terence Bay	
367- Barrington	
190- Bateston	
192- Point Aconi	
164 - The Northumberland Wi	
180 - Affinity Renewables -	
184 - Affinity Renewables -	
224 - Scotian Wind - Brento	
229 - Scotian Wind - Walton	
230 - Scotian Wind - Badeck	
239 - The Northumberland Wi	
244 - Membertou - Victoria	
284 - Port Hood & District	
286 - Celtic Current - Mulg	
287 - Port Hood & District	
288 - Celtic Current - Mulg	
291 - Town of Mulgrave - Mu	
298 - Halifax Regional Wate	
309 - The Northumberland Wi	
313 - The Northumberland Wi	
391 - Chestico Museum and H	
393 - The Northumberland Wi	
394 - The Northumberland Wi	
395 - Chestico Museum and H	
Add Projects In 2016 - Smal	
Add Projects In 2016 - Larg	
Add Projects In 2016 - Biom	
247 - Watts Wind Porters La	
TOTAL COMFIT	
IPP - Other	
Halifax Renewable Energy	
Black River Hydro	
Brooklyn Power	
Morgan Falls Power Company	
FW Taylor Lumber Company	
Minas Basin Pulp and Paper	
Cape Sharpe Tidal	
TOTAL IPP OTHER	
Total IPP Renewables	
Total Renewables	

RENEWABLES COSTS (MTHLY)

NSPI (FAM) A-10j
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
--- --- --- --- ---	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Renewables - NSPI-owned													
Hydro													
Energy Dispatch & Fuels													
Hydro Production Administra													
Dickie Brook Hydro													
Tusket Hydro													
Bear River Hydro System													
Sissiboo/Weymouth System													
Avon Hydro System													
Lequille Hydro System													
Nictaux/Paradise System													
Paradise System													
Annapolis Tidal Power													
St. Margaret's Hydro System													
Sheet Harbour Hydro System													
Black River Hydro System													
Mersey Hydro System													
Roseway & Harmony Hydro													
Harmony Hydro System													
Wreck Cove Hydro System													
Wreck Cove Windmill													
Fall River Hydro													
TOTAL													
Wind													
Little Brook Wind Turbines													
Grand Etang Wind Turbine													
Nuttby Wind Farm													
Digby Wind Farm													
TOTAL													
Renewables - IPP-owned													
Wind													
Pubnico Point Wind Farm													
Lingan													
Glace Bay 1B													
Port Caledonia (Donkin)													
Gillis Cove													
Tiverton (Londonderry)													
Springhill													
Higgins Mountain													
Goodwood													
Brookfield (Lake Major)													
Fitzpatrick Mountain													
Point Tupper 1													
Digby													
Tatamagouche (Marshville/R													
Amherst													
Dalhousie Mountain													
Glen Dhu North													
Maryvale													
Point Tupper 3													
Watts Section													
Fairmont													
Dunvegan													
Granville Ferry													
Isle Madame													
Creignish Rear													
Irish Mountain													
South Cape Mabou													
Spiddle Hill													
Cape North													
Lingan II													
Sable Wind													
South Canoe													
Other													
TOTAL IPP WIND													
COMFIT													
158- Spiddle Hill													
074- Town of New Glasgow													
111- District of Guysborou													
072- Spiddle Hill T800N													
271- Windmill Holsteins Bio													
162- Kaizer Meadow													
216- St. Rose													
171- Isle Madame													
222- Little River													

225- Martock Ridge	
277- Barrington	
084- New Glasgow	
212- Cape Breton	
109- Melford	
081- Harbourside Biomass	
264- Hillside-Boularderie	
150- Gaetz Brook	
138- District of Shelburne	
077- Pockwock Wind Limited	
143- District of Digby	
375- Barrachois Wind Farm	
226- Nine Mile River	
240- Whynotts	
241- Truro Heights	
242- Truro-Millbrook	
251- Aulds Mountain	
272- North Beaver Bank	
273- Black Pond	
311- Hefler Forest Products	
280- Tatamagouche Wind Fiel	
116- Universite Sainte Anne	
161- Town of Amherst	
193- Cheticamp	
283- Halifax Water	
198- Celtic Current - Mulgr	
118- Pictou - Riverton Phas	
317- Pictou - Riverton Phas	
181- Affinity - Fitzpatrick	
182- Affinity - Kemptown	
183- Affinity - Greenfield	
184- Affinity - Limerock Mt	
235- Watts Wind - Wedgeport	
086- Ketch Harbour	
139- Avondale	
205- Fundy Tidal	
243- Chebucto Terrence Bay	
367- Barrington	
190- Bateston	
192- Point Aconi	
164 - The Northumberland Wi	
180 - Affinity Renewables -	
184 - Affinity Renewables -	
224 - Scotian Wind - Brento	
229 - Scotian Wind - Walton	
230 - Scotian Wind - Badeck	
239 - The Northumberland Wi	
244 - Membertou - Victoria	
284 - Port Hood & District	
286 - Celtic Current - Mulg	
287 - Port Hood & District	
288 - Celtic Current - Mulg	
291 - Town of Mulgrave - Mu	
298 - Halifax Regional Wate	
309 - The Northumberland Wi	
313 - The Northumberland Wi	
391 - Chestico Museum and H	
393 - The Northumberland Wi	
394 - The Northumberland Wi	
395 - Chestico Museum and H	
Add Projects In 2016 - Smal	
Add Projects In 2016 - Larg	
Add Projects In 2016 - Biom	
247 - Watts Wind Porters La	
TOTAL COMFIT	
IPP - Other	
Halifax Renewable Energy	
Black River Hydro	
Brooklyn Power	
Morgan Falls Power Company	
FW Taylor Lumber Company	
Minas Basin Pulp and Paper	
Cape Sharpe Tidal	
Other IPP	
TOTAL IPP OTHER	
Total IPP Renewables	
Total Renewables	

Power Production Average Load Report

NSPI (FAM) A-10k
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
Net Generation by Unit (MWh													
Lingan - Unit 1													
Lingan - Unit 2													
Lingan - Unit 3													
Lingan - Unit 4													
Tufts Cove - Unit 1													
Tufts Cove - Unit 2													
Tufts Cove - Unit 3													
LM- Unit 4													
LM- Unit 5													
LM-Unit 6													
Trenton - Unit 5													
Trenton - Unit 6													
Point Tupper													
Point Aconi													
Port Hawkesbury Biomass													
CT- Tusket													
CT-Victoria Junction													
CT- Burnside													
Total Net Generation (MWh)													
Operating Hours													
Lingan - Unit 1													
Lingan - Unit 2													
Lingan - Unit 3													
Lingan - Unit 4													
Tufts Cove - Unit 1													
Tufts Cove - Unit 2													
Tufts Cove - Unit 3													
LM- Unit 4													
LM- Unit 5													
LM-Unit 6													
Trenton - Unit 5													
Trenton - Unit 6													
Point Tupper													
Point Aconi													
Port Hawkesbury Biomass													
CT- Tusket													
CT- Victoria Junction													
CT- Burnside													
Average Load - MW													
Lingan - Unit 1													
Lingan - Unit 2													
Lingan - Unit 3													
Lingan - Unit 4													
Tufts Cove - Unit 1													
Tufts Cove - Unit 2													
Tufts Cove - Unit 3													
LM- Unit 4													
LM- Unit 5													
LM-Unit 6													
Trenton - Unit 5													
Trenton - Unit 6													
Point Tupper													
Point Aconi													
Port Hawkesbury Biomass													
CT- Tusket													
CT- Victoria Junction													
CT- Burnside													

Lingan Monthly Station Fuel Costs

NSPI (FAM) A-10I
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

Cost Centre=LIN (Lingan)

	JAN-16 Forecast ----------	FEB-16 Forecast ----------	MAR-16 Forecast --------- -	APR-16 Forecast --------- -	MAY-16 Forecast --------- -	JUN-16 Forecast --------- -	JUL-16 Forecast --------- -	AUG-16 Forecast --------- -	SEP-16 Forecast --------- -	OCT-16 Forecast --------- -	NOV-16 Forecast --------- -	DEC-16 Forecast --------- -	Total Forecast ----------
Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Natural Gas													
MMBTU													
Costs													
$ per MMBTU													
Biomass													
Green MT													
MMBtu													
Costs													
$ per Green MT													
$ per MMBtu													
Bunker C													
Barrels													
MMBTU													
Costs													
$ per Barrel													
$ per MMBTU													
Diesel													
Gallons													
MMBTU													
Costs													
$ per Gallon													
$ per MMBTU													
Furnace													
Gallons													
MMBTU													
Costs													
$ per Gallon													
$ per MMBTU													
All Fuels													
MMBTU													
Costs													
$ per MMBTU													
Additives Costs													
Additives - Hg													
Total Consumed Costs													
Purchased Power													
Total Fuel and Purchased Po													
$/Mwh													
FX Adjustment on Consumed F													
Solid Fuel													
Natural Gas													
Bunker C													
Purchased Power													
Additives - Hg													
Total FX Adjustments													
FX Adj'd Fuel & PP													
$/Mwh (FX Adj'd)													
Fuel for Resale													
Costs													
Recoveries													
Net Cost (Benefit)													
FX Adjustment on Revenue													
FX Adj on Costs													
FX Adj'd Cost(Benefit)													
Other Costs													
Adjustments													

MTM on HFO and Natural Gas													
Total Other Costs													
Total Fuel & PP													
Newpage Gas Loss													
Total Fuel and Purchased Po													

Lingan Solid Fuel Costs by Supplier

NSPI (FAM) A-10m
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

Cost Centre=LIN (Lingan)

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Import													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Domestic													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Pet Coke													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Other													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
All Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Blend Percentages (Tonnes)													
Import													
Domestic													
Pet Coke													
Biomass													

Lingan Heat Rate Report

NSPI (FAM) A-10n
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

Cost Centre=LIN (Lingan)

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
Net Generation by Unit (MWh													
Unit 1													
Unit 2													
Unit 3													
Unit 4													
Unit 5													
Unit 6													
Total Plant													
Fuel Consumption by Unit (M													
Unit 1													
Unit 2													
Unit 3													
Unit 4													
Unit 5													
Unit 6													
Total Plant													
Heat Rate by Unit													
Unit 1													
Unit 2													
Unit 3													
Unit 4													
Unit 5													
Unit 6													
Total Plant													
Fuel Cost by Unit (Includin													
Unit 1													
Unit 2													
Unit 3													
Unit 4													
Unit 5													
Unit 6													
Total Plant													
Fuel Cost per MWh by Unit													
Unit 1													
Unit 2													
Unit 3													
Unit 4													
Unit 5													
Unit 6													
Total Plant													

Pt. Aconi Monthly Station Fuel Costs

NSPI (FAM) A-10o
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

Cost Centre=PTA (Point Aconi)

	JAN-16 Forecast	*FEB-16 Forecast*	*MAR-16 Forecast*	*APR-16 Forecast*	*MAY-16 Forecast*	*JUN-16 Forecast*	*JUL-16 Forecast*	*AUG-16 Forecast*	*SEP-16 Forecast*	*OCT-16 Forecast*	*NOV-16 Forecast*	*DEC-16 Forecast*	*Total Forecast*
Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Natural Gas													
MMBTU													
Costs													
$ per MMBTU													
Biomass													
Green MT													
MMBtu													
Costs													
$ per Green MT													
$ per MMBtu													
Bunker C													
Barrels													
MMBTU													
Costs													
$ per Barrel													
$ per MMBTU													
Diesel													
Gallons													
MMBTU													
Costs													
$ per Gallon													
$ per MMBTU													
Furnace													
Gallons													
MMBTU													
Costs													
$ per Gallon													
$ per MMBTU													
All Fuels													
MMBTU													
Costs													
$ per MMBTU													
Additives Costs													
Additives - Hg													
Total Consumed Costs													
Purchased Power													
Total Fuel and Purchased Po													
$/Mwh													
FX Adjustment on Consumed F													
Solid Fuel													
Natural Gas													
Bunker C													
Purchased Power													
Additives - Hg													
Total FX Adjustments													
FX Adj'd Fuel & PP													
$/Mwh (FX Adj'd)													
Fuel for Resale													
Costs													
Recoveries													
Net Cost (Benefit)													
FX Adjustment on Revenue													
FX Adj on Costs													
FX Adj'd Cost(Benefit)													
Other Costs													
Adjustments													

MTM on HFO and Natural Gas													
Total Other Costs													
Total Fuel & PP													
Newpage Gas Loss													
Total Fuel and Purchased Po													

Pt. Aconi Solid Fuel Costs by Supplier

NSPI (FAM) A-10p
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

Cost Centre=PTA (Point Aconi)

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
Import													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Domestic													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Pet Coke													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Other													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
All Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Blend Percentages (Tonnes)													
Import													
Domestic													
Pet Coke													
Biomass													

Trenton 5 Monthly Station Fuel Costs

NSPI (FAM) A-10q
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Bunker C													
Barrels													
MMBTU													
Costs													
$ Per Barrel													
$ per MMBTU													
Furnace													
Gallons													
Barrels													
MMBTU													
Costs													
$ per Gallon													
$ per Barrel													
$ per MMBTU													
All Fuels													
MMBTU													
Costs													
$ per MMBTU													
Adjustments													
Additives													
Total Fuel & PP													
Generation by Fuel Type (Mw													
Solid Fuel													
Bunker C													
Total Generation													

Trenton 5 Solid Fuel Costs by Supplier

NSPI (FAM) A-10r
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Import													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Domestic													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Pet Coke													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Other													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
All Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Blend Percentages (Tonnes)													
Import													
Domestic													
Pet Coke													
Other													

Trenton 6 Monthly Station Fuel Costs

NSPI (FAM) A-10s
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Bunker C													
Barrels													
MMBTU													
Costs													
$ Per Barrel													
$ per MMBTU													
Furnace													
Gallons													
Barrels													
MMBTU													
Costs													
$ per Gallon													
$ per Barrel													
$ per MMBTU													
All Fuels													
MMBTU													
Costs													
$ per MMBTU													
Additives													
Generation by Fuel Type (MW													
Solid Fuel													
Bunker C													
Total Generation													

Trenton 6 Solid Fuel Costs by Supplier

NSPI (FAM) A-10t
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
Import													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Domestic													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Pet Coke													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Other													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
All Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Blend Percentages (Tonnes)													
Import													
Domestic													
Pet Coke													
Other													

Trenton Heat Rate Report

NSPI (FAM) A-10u
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

Cost Centre=TRN (Trenton)

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Net Generation by Unit (MWh													
Unit 1													
Unit 2													
Unit 3													
Unit 4													
Unit 5													
Unit 6													
Total Plant													
Fuel Consumption by Unit (M													
Unit 1													
Unit 2													
Unit 3													
Unit 4													
Unit 5													
Unit 6													
Total Plant													
Heat Rate by Unit													
Unit 1													
Unit 2													
Unit 3													
Unit 4													
Unit 5													
Unit 6													
Total Plant													
Fuel Cost by Unit (Includin													
Unit 1													
Unit 2													
Unit 3													
Unit 4													
Unit 5													
Unit 6													
Total Plant													
Fuel Cost per MWh by Unit													
Unit 1													
Unit 2													
Unit 3													
Unit 4													
Unit 5													
Unit 6													
Total Plant													

Pt. Tupper Monthly Station Fuel Costs

NSPI (FAM) A-10v
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

Cost Centre=PTU (Point Tupper)

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Natural Gas													
MMBTU													
Costs													
$ per MMBTU													
Biomass													
Green MT													
MMBtu													
Costs													
$ per Green MT													
$ per MMBtu													
Bunker C													
Barrels													
MMBTU													
Costs													
$ per Barrel													
$ per MMBTU													
Diesel													
Gallons													
MMBTU													
Costs													
$ per Gallon													
$ per MMBTU													
Furnace													
Gallons													
MMBTU													
Costs													
$ per Gallon													
$ per MMBTU													
All Fuels													
MMBTU													
Costs													
$ per MMBTU													
Additives Costs													
Additives - Hg													
Total Consumed Costs													
Purchased Power													
Total Fuel and Purchased Po													
$/Mwh													
FX Adjustment on Consumed F													
Solid Fuel													
Natural Gas													
Bunker C													
Purchased Power													
Additives - Hg													
Total FX Adjustments													
FX Adj'd Fuel & PP													
$/Mwh (FX Adj'd)													
Fuel for Resale													
Costs													
Recoveries													
Net Cost (Benefit)													
FX Adjustment on Revenue													
FX Adj on Costs													
FX Adj'd Cost(Benefit)													
Other Costs													
Adjustments													

MTM on HFO and Natural Gas													
Total Other Costs													
Total Fuel & PP													
Newpage Gas Loss													
Total Fuel and Purchased Po													

Pt. Tupper Solid Fuel Costs by Supplier

NSPI (FAM) A-10w
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

Cost Centre=PTU (Point Tupper)

	JAN-16 Forecast	*FEB-16 Forecast*	*MAR-16 Forecast*	*APR-16 Forecast*	*MAY-16 Forecast*	*JUN-16 Forecast*	*JUL-16 Forecast*	*AUG-16 Forecast*	*SEP-16 Forecast*	*OCT-16 Forecast*	*NOV-16 Forecast*	*DEC-16 Forecast*	*Total Forecast*
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Import													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Domestic													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Pet Coke													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Other													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
All Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Blend Percentages (Tonnes)													
Import													
Domestic													
Pet Coke													
Biomass													

Tufts Cove Thermal Station Fuel Costs

NSPI (FAM) A-10x
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Natural Gas													
MMBTU													
Costs													
$ w/o Hedges													
$/MMBTU													
$/MMBTU w/o Hedges													
Bunker C													
Barrels													
MMBTU													
Costs													
Costs w/o Hedges													
$/BBL													
$/BBL w/o Hedges													
$/MMBTU													
$/MMBTU w/o Hedges													
Furnace / Diesel													
Gallons													
Barrels													
MMBTU													
Costs													
$ per Gallon													
$ per Barrel													
$ per MMBTU													
All Fuels													
MMBTU													
Costs													
$ per MMBTU													
Additives Costs													
Total Consumed Costs													
Adjustments													
Pipeline Toll													
Total Fuel Costs													

Tufts Cove Heat Rate Report

NSPI (FAM) A-10y
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

Cost Centre=312 (Tufts Cove Operations)

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Net Generation by Unit (MWh													
Unit 1													
Unit 2													
Unit 3													
Unit 4													
Unit 5													
Unit 6													
Total Plant													
Fuel Consumption by Unit (M													
Unit 1													
Unit 2													
Unit 3													
Unit 4													
Unit 5													
Unit 6													
Total Plant													
Heat Rate by Unit													
Unit 1													
Unit 2													
Unit 3													
Unit 4													
Unit 5													
Unit 6													
Total Plant													
Fuel Cost by Unit (Includin													
Unit 1													
Unit 2													
Unit 3													
Unit 4													
Unit 5													
Unit 6													
Total Plant													
Fuel Cost per MWh by Unit													
Unit 1													
Unit 2													
Unit 3													
Unit 4													
Unit 5													
Unit 6													
Total Plant													

LM6000 Thermal Station Fuel Costs

NSPI (FAM) A-10z
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NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Natural Gas													
MMBTU													
Costs													
Costs w/o Hedges													
$/MMBTU													
$/MMBTU w/o Hedges													
Bunker C													
Barrels													
MMBTU													
Costs													
$ per Barrel													
$ per MMBTU													
Furnace / Diesel													
Gallons													
Barrels													
MMBTU													
Costs													
$ per Gallon													
$ per Barrel													
$ per MMBTU													
All Fuels													
MMBTU													
Costs													
$ per MMBTU													
Additives Costs													
Total Consumed Costs													
Adjustments													
Pipeline Toll													
Total Fuel Costs													

Combustion Turbines Thermal Station Fuel Costs

NSPI (FAM) A-10aa
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

Cost Centre=CTS (Combustion Turbine)

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Natural Gas													
MMBTU													
Costs													
$ per MMBTU													
Biomass													
Green MT													
MMBtu													
Costs													
$ per Green MT													
$ per MMBtu													
Bunker C													
Barrels													
MMBTU													
Costs													
$ per Barrel													
$ per MMBTU													
Diesel													
Gallons													
MMBTU													
Costs													
$ per Gallon													
$ per MMBTU													
Furnace													
MMBTU													
$ per MMBTU													
All Fuels													
MMBTU													
Costs													
$ per MMBTU													
Additives Costs													
Additives - Hg													
Total Consumed Costs													
Purchased Power													
Total Fuel and Purchased Po													
$/Mwh													
FX Adjustment on Consumed F													
Solid Fuel													
Natural Gas													
Bunker C													
Purchased Power													
Additives - Hg													
Total FX Adjustments													
FX Adj'd Fuel & PP													
$/Mwh (FX Adj'd)													
Fuel for Resale													
Costs													
Recoveries													
Net Cost (Benefit)													
FX Adjustment on Revenue													
FX Adj on Costs													
FX Adj'd Cost(Benefit)													
Other Costs													
Adjustments													
MTM on HFO and Natural Gas													
Total Other Costs													

Total Fuel & PP													
Newpage Gas Loss													
Total Fuel and Purchased Po													

Port Hawkesbury Biomass Station Fuel Costs

NSPI (FAM) A-10ab
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	FEB-16 Forecast	MAR-16 Forecast	APR-16 Forecast	MAY-16 Forecast	JUN-16 Forecast	JUL-16 Forecast	AUG-16 Forecast	SEP-16 Forecast	OCT-16 Forecast	NOV-16 Forecast	DEC-16 Forecast	Total Forecast
	----------	----------	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	--------- -	----------
Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Natural Gas													
MMBTU													
Costs													
Costs w/o Hedges													
$ Per MMBTU													
$ per MMBTU w/o Hedges													
Furnace													
Gallons													
Barrels													
MMBTU													
Costs													
$ per Gallon													
$ per Barrel													
$ per MMBTU													
All Fuels													
MMBTU													
Costs													
$ per MMBTU													
Additives													
Generation by Fuel Type (MW													
Solid Fuel													
Natural Gas													
Total Generation													

Port Hawkesbury Biomass Solid Fuel Costs by Supplier

NSPI (FAM) A-10ac
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year $CAD
Submitted: Date

	JAN-16 Forecast	*FEB-16 Forecast*	*MAR-16 Forecast*	*APR-16 Forecast*	*MAY-16 Forecast*	*JUN-16 Forecast*	*JUL-16 Forecast*	*AUG-16 Forecast*	*SEP-16 Forecast*	*OCT-16 Forecast*	*NOV-16 Forecast*	*DEC-16 Forecast*	*Total Forecast*
Import													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Domestic													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Pet Coke													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Biomass													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
All Solid Fuel													
Tonnes													
MMBTU													
Costs													
$ per Tonne													
$ per MMBTU													
Blend Percentages (Tonnes)													
Import													
Domestic													
Pet Coke													
Biomass													

Nova Scotia Power Inc.
Annual FAM Reporting
Year [20XX]

NSPI (FAM) A-10ad
CONFIDENTIAL

Summary of [Year +1] Projected Fuel Expense - Plexos Output

NSPI		Measure	Output
ENERGY REQUIRED		GWh	
THERM GENERATION		GWh	
HYDRO GENERATION		GWh	
NET TRANSACTIONS		GWh	
PEAK LOAD		MW	
FUEL BURNED		MBtu	
TRANS PURCH		GWh	
TRANS SALES		GWh	
PT ACONI 1 CAPACITY FACTOR			
CAPACITY		MW	
AVG HR		MBtu/MWh	
GENERATION		GWh	
FUEL BURN		MBtu	
LINGAN 1 CAPACITY FACTOR			
CAPACITY		MW	
AVG HR		MBTu/MWh	
GENERATION	GWH	GWh	
FUEL BURN		MBtu	
LINGAN 2 CAPACITY FACTOR			
CAPACITY		MW	
AVG HR		MBtu/MWh	
GENERATION		GWh	
FUEL BURN		MBtu	
LINGAN 3 CAPACITY FACTOR			
CAPACITY		MW	
AVG HR		MBtu/MWh	
GENERATION		GWh	
FUEL BURN		Mbtu	
LINGAN 4 CAPACITY FACTOR			
CAPACITY		MW	
AVG HR		MBtu/MWh	
GENERATION		GWh	
FUEL BURN		MBtu	

Nova Scotia Power Inc.
Annual FAM Reporting
Year [20XX]

NSPI (FAM) A-10ad
CONFIDENTIAL

Summary of [Year +1] Projected Fuel Expense - Plexos Output

NSPI		Measure	Output
TUPPER 2 CAPACITY FACTOR			
CAPACITY		MW	
AVG HR	MBTU/MWH	MBtu/MWh	
GENERATION		GWh	
FUEL BURN		MBtu	
TRENTON 5 CAPACITY FACTOR			
CAPACITY		MW	
AVG HR		MBtu/MWh	
GENERATION		GWh	
FUEL BURN		MBtu	
TRENTON 6 CAPACITY FACTOR			
CAPACITY		MW	
AVG HR		MBtu/MWh	
GENERATION		GWh	
FUEL BURN		MBtu	
TC 1 CAPACITY FACTOR			
CAPACITY		MW	
AVG HR		MBtu/MWh	
GENERATION		GWh	
FUEL BURN		MBtu	
TC-GAS			
TC-OIL			
TC 2 CAPACITY FACTOR			
CAPACITY		MW	
AVG HR		MBtu/MWh	
GENERATION		GWh	
FUEL BURN		MBtu	
TC-GAS			
TC-OIL			
TC 3 CAPACITY FACTOR			
CAPACITY		MW	
AVG HR		Mbtu/MWh	
GENERATION		GWh	
FUEL BURN 000		MBTu	
TC-GAS			
TC-OIL			

Nova Scotia Power Inc.
Annual FAM Reporting
Year [20XX]

NSPI (FAM) A-10ad
CONFIDENTIAL

Summary of [Year +1] Projected Fuel Expense - Plexos Output

NSPI		Measure	Output
TC - CC	4/5/6 CAPACITY FACTOR		
	CAPACITY	MW	
	AVG HR	Mbtu/MWh	
	GENERATION	GWh	
	FUEL BURN	MBTu	
TUSKET	1 CAPACITY FACTOR		
	CAPACITY	MW	
	GENERATION	GWh	
VJ	1 CAPACITY FACTOR		
	CAPACITY	MW	
	GENERATION	GWh	
VJ	2 CAPACITY FACTOR		
	CAPACITY	MW	
	GENERATION	GWh	
BURNSIDE	1 CAPACITY FACTOR		
	CAPACITY	MW	
	GENERATION	GWh	
BURNSIDE	2 CAPACITY FACTOR		
	CAPACITY	MW	
	GENERATION	GWh	
BURNSIDE	3 CAPACITY FACTOR		
	CAPACITY	MW	
	GENERATION	GWh	
BURNSIDE	4 CAPACITY FACTOR		
	CAPACITY	MW	
	GENERATION	GWh	

* [Year +1] Budget reflects the [Year, Source] filing of $XXX M.

Nova Scotia Power Inc.
Annual FAM Reporting
Year [20XX]

NSPI (FAM) A-10ae
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Summary of [Year +1]Projected Fuel Expense - Details of Solid Fuel Costs

Plant	Fuel Type	Opening Inventory			Deliveries											Weighted Average Cost
		Qty MT (000)	Heat Content MMBtu/ MT (000)	Price $/MMBtu	Qty MT (000)	Commodity $CDN/MT	Qty MT (000)	Ocean Freight $CDN/MT	Qty MT (000)	Land Transport $CDN/MT	Qty MT (000)	Sub-total $CDN/MT	FX	Heat Content MMBtu/ MT (000)	Price $/MMBtu	Price $/mBTU
Lingan	LS Import < 12															
	LS Import > 12															
	Mid Sulphur															
	Petcoke															
	PRB															
Pt. Aconi	LS Import < 12															
	Petcoke															
Trenton #5	LS Import < 12															
	LS Import > 12															
	Mid Sulphur															
Trenton #6	LS Import < 12															
	Petcoke															
	Domestic Low Sulphur															
Point Tupper	LS Import < 12															
	LS Import > 12															
	Mid Sulphur															
	Petcoke															
	PRB															

Notes:

Nova Scotia Power Inc.
Annual FAM Reporting
Year [20XX]

NSPI (FAM) A-10af
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Summary of Projected Fuel Expense - [Year +1] Outlook

NSPI is projecting fuel and purchased power expense in the range of $XXX M for [Year +1] which is based on the [Year, BCF/GRA Source] filing.

Nova Scotia Power Inc.
Annual FAM Reporting
Year [20XX]

NSPI (FAM) A-11
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Summary of Sales Forecast by Customer Class

GWh Sales	[Year +1]*	[Year +2]**
Residential		
General		
Small general		
General		
Large general		
Total General		
Industrial		
Small industrial		
Medium industrial		
Large industrial		
Load Retention		
GRLF		
RTP		
Shore Power		
Total Industrial		
Other		
Municipal		
Unmetered		
Total Other		
Total In-province electric sales		
Export		
Total Electric Sales		

* [Year +1] [Source]
** [Year +2] [Source]

Nova Scotia Power Inc.
Annual FAM Reporting
Year [20XX]

NSPI (FAM) A-12
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Affiliate Transactions - Fuels and Power

No.	Goods / Service Provider	Goods / Service Receiver	Dollars	Short Description	Pricing Mechanism	Price Paid
1						
2						
3						
4						
5						

Commentary -

Nova Scotia Power Inc.
Annual FAM Reporting
Year [20XX]

NSPI (FAM) A-13a
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Mercury Abatement Program
Mercury Sorbent Details
(Including oxidising agents)

~ Year To Date ~

	Fuel Mix	Type	Quantity		Capture Costs [$M]	$/MWh*
Generating Plant						
Lingan Unit 1	LS/MS/PC	Powder Activated Carbon		Kg		
Lingan Unit 2	LS/MS/PC	Powder Activated Carbon		Kg		
Lingan Unit 3	LS/MS/PC	Powder Activated Carbon		Kg		
Lingan Unit 4	LS/MS/PC	Powder Activated Carbon		Kg		
Trenton Unit 5	LS/MS	Powder Activated Carbon		Kg		
Trenton Unit 6	DOM/LS/MS/PC	Powder Activated Carbon		Kg		
Point Tupper	LS/MS/PC	Powder Activated Carbon		Kg		
Lingan	LS/MS/PC	Calcium Chloride		L		
Trenton	DOM/LS/MS/PC	Calcium Chloride		L		
Point Tupper	LS/MS/PC	Calcium Chloride		L		
Total Mercury Sorbent Costs (PAC)				Kg		
Total Mercury Sorbent Costs (Cal. Chl.)				L		
Total Mercury Sorbent Costs						

*The value of $/MWh has been calculated using the total sorbent cost for the unit identified and the total MWh produced by that unit.

Mercury Emission Levels (kgs)	Year Actual	Year Forecast	Variance

Emissions Commentary -

Technical Issues Commentary -

PAC [Year]

CaCl [Year]

Nova Scotia Power Inc.
Annual FAM Reporting
Year 2015

NSPI (FAM) A-13b
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Mercury Abatement Program
Impact on Fuel Use

Commentary including quantitative and qualitative descriptions of the impact on fuel use by virtue of the mercury abatement program

PAC 2015
The PAC systems were run to achieve compliance in [Year]. Emissions were closely monitored to optimize injection rates.
Final performance of [##] kg was achieved within the target period.

Testing:
PAC testing was conducted in [Year] as follows:
[Station and detail information]

Calcium Chloride 2015
Calcium chloride systems are installed at each plant. The systems are run as required, based on fuel blend.

Nova Scotia Power Inc.
Annual FAM Reporting
Year [20XX]

NSPI (FAM) A-13c
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Mercury Abatement Program
Technical / Capital Changes

Option	Description	Anticipated Result

Nova Scotia Power Inc.
Annual FAM Reporting
Year [20XX]

NSPI (FAM) A-13d
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Mercury Abatement Program
Forecast Mercury Sorbent Use [Year +1]
(Including oxidising agents)

	Type	*Year +1* Quantity		Capture Costs [$M] (millions of dollars)	$/MWh
Generating Plant					
Lingan Unit 1	Powder Activated Carbon		Kgs		
Lingan Unit 2	Powder Activated Carbon		Kgs		
Lingan Unit 3	Powder Activated Carbon		Kgs		
Lingan Unit 4	Powder Activated Carbon		Kgs		
Trenton Unit 5	Powder Activated Carbon		Kgs		
Trenton Unit 6	Powder Activated Carbon		Kgs		
Point Tupper	Powder Activated Carbon		Kgs		
Lingan	Calcium Chloride		L		
Trenton	Calcium Chloride		L		
Point Tupper	Calcium Chloride		L		
Total Mercury Sorbent Costs					

Commentary -

Suppliers for [Year +1]:

ADA (Powdered Activated Carbon)	100% supply +/-20%
Somavrac/DOW (Calcium Chloride)	100% supply +/-20%

Nova Scotia Power Inc.
Annual FAM Reporting
Year 202x

NSPI (FAM) A-14
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Port Hawkesbury Biomass Plant Efficiency Calculation

Description	Units	202x Total	202x-1 Total	202x-2 Total	201x-3 Total	201x-4 Total
Overall Energy to Work Efficiency Calculation						
Fuel Energy to PB3	GJ					
Net Electricity Production	MWhr					
Net Electricity Production	GJ					
Thermal Energy Delivered to PHP	GJ					
Total Energy to useful Work	GJ					
Process Efficiency	%					

The Port Hawkesbury Biomass plant uses biomass fuel energy to produce steam for the production of electricity using a steam turbine generator. To help improve the overall utilization of the fuel energy, steam is extracted from the steam turbine part way through the electricity production process. The extracted steam is then delivered for use to support Port Hawkesbury Paper mill processes. The extraction steam allows for the recovery of a portion of steam energy for useful work that would otherwise be lost in the condensation of the steam exiting the turbine.

The overall Port Hawkesbury Biomass plant process efficiency is defined as the total electricity generation plus the useful thermal energy divided by the biomass input heat energy. The efficiency level of the process is variable and depends on the relative amount of both electricity generated and thermal energy delivered to mill processes. Thus the overall process efficiency can vary from month to month and year to year due to seasonal changes in electricity production and extraction steam energy demand.

In 20xx the overall process efficiency was lower/higher than the previous year’s level of xx% as noted in the 20xx Report. The process efficiency will change from year to year depending on the quality of the fuel, the percent of boiler operating capacity used, and the operating profile of the PHP paper mill.

Nova Scotia Power Inc.

Monthly FAM Reporting

For the Period Ended Month, Day, Year

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Nova Scotia POWER
An Emera Company

Nova Scotia Power Inc.
Monthly FAM Reporting
For the Period Ended Month, Day, Year

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Nova Scotia Power Inc.
Monthly FAM Reporting
Summary of Fuel Costs
For the Period Ended Month, Day, Year
(millions of dollars)

NSPI (FAM) M-1
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	Current Month			Year-to-Date			2022 Q3F	
	Actual	Forecast	Budget	Actual	Forecast	Budget	Full Year Budget	% of Budget Spent
Fuel for Generation - Domestic Load								
Solid Fuel								
Natural Gas								
Biomass								
Bunker C								
Furnace								
Diesel								
Additives								
GHG Compliance								
Subtotal								
Import Purchases								
Maritime Link								
Non-Wind IPP Purchases								
Wind Purchases								
COMFIT Purchases								
Fuel for Resale Net Margin								
Exports								
Fuel and Purchased Power								
Water Royalties								
Total Fuel and Purchased Power								
Less: ELIADC Revenue								
Total Fuel and Purchased Power Less ELIADC Revenue								
Less: Export Revenues								
Less: 1PT RTP								
Less: Shore Power								
Less: Back Up / Top Up								
Less: GRLF Fuel Costs								
Loss / (Gain): Foreign exchange - Fuel Other								
Net Fuel and Purchased Power								
Total System Requirements (GWh)								
Less: Export Sales and Attributed Losses								
Less: GRLF Requirements								
Less: ELIADC								
Less: Shore Power								
Less: 1PT RTP								
Less: Back Up / Top Up								
Less: Losses**								
Total FAM Sales								

Figures presented are rounded to one decimal place which may cause $0.1M in rounding differences on some line items.
The Forecast reflects actuals up to August 2022, full year forecast of $XXX.X
The FAM Budget reflects the 2023 BCF Compliance filing of $XXX.XM.
**Includes losses for all customer classes, with the exception of Export Sales.

Nova Scotia Power Inc. **NSPI (FAM) M-2**
Monthly FAM Reporting **NON CONFIDENTIAL**
Summary of Cost Recovery
For the Period Ended Month, Day, Year
(millions of dollars)

	Actual	Budget
Base Fuel Component (BCF)		
(Over)/Under-recovered Prior to Current Month		
(Over)/Under-recovered in Current Month		
Balance Yet to be Recovered		
(Over)/Under-recovery- Remainder of the Year		
Interest on BCF Balance		
Actual Adjustment Component (AA)		
Year Beginning AA Balance		
Recovered Prior to Current Month		
Opening Balance as of Month 1, Year		
Recovered/(Refunded) in Current Month		
Closing Balance as of Month Day, Year		
Recovered/(Refunded) Remainder of the Year		
Interest on AA Balance		
Balancing Adjustment Component (BA)		
Year Beginning BA Balance		
Recovered Prior to Current Month		
Opening Balance as of Month 1, Year		
Recovered/(Refunded) in Current Month		
Closing Balance as of Month Day, Year		
Recovered/(Refunded) Remainder of the Year		
Interest on BA Balance		
Total FAM Deferral (Over)/Under-Recovery		

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

The FAM Budget reflects the XXX budget filed with the Board on Month Day, Year.

Commentary for Month: Please see M1 for explanation of fuel costs included in the BCF. AA/BA amounts collected/refunded during the month were above/below budget due to in/decreased FAM sales.

Nova Scotia Power Inc. **NSPI (FAM) M-3**
Monthly FAM Reporting **NON CONFIDENTIAL**
2016 Total Accumulated Unrecovered FAM Balance
For the Period Ended Month, Day, Year
(millions of dollars)

Month	BA Total Outstanding	AA Total Outstanding	BCF Variance		Accumulated Interest	Total Outstanding
			To Current Month	Current Month		
January						
February						
March						
April						
May						
June						
July						
August						
September						
October						
Novemeber						
December						

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

The highlighted rows reference the XXX budget filed with the Board on Month Day, Year.

Nova Scotia Power Inc. **NSPI (FAM) M-4**
Monthly FAM Reporting **NON CONFIDENTIAL**
Fuel Policies and Organizational Changes
For the Period Ended Month, Day, Year

Fuel Manual Updates

POA Updates

Organizational Updates

Nova Scotia Power Inc.
Monthly FAM Reporting
Mercury Abatement Program
For the Period Ended Month, Day, Year
(millions of dollars)

NSPI (FAM) M-5
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		Current Month			Year-to-Date		
Generating Unit	**Additive Type**	**Quantity**	**Cost**	**$/MWh**	**Quantity**	**Cost**	**$/MWh**
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 Activated Carbon		**kgs**	**$0.000**		**- kgs**	**$0.000**	
Total Costs - Calcium Chloride		**L**	**$0.000**		**- L**	**$0.000**	
Total Mercury Sorbent Costs			**$0.000**			**$0.000**	

[a] Calculated using actual MWh produced by unit.

Commentary for the month:

NSPI Environmental Report for Mercury Emissions (b)

Annual Limit = 65 kg (c)

Month	Reported this month (d)	Reported last month	Variance	Reason for variance	2017 Actuals (e)
Jan					
Feb					
Mar					
Apr					
May					
Jun					
Jul					
Aug					
Sep					
Oct					
Nov					
Dec					
Year to Date (f)					

[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 next quarter.

[e] Shown for comparative purposes

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
Mercury Abatement Program
For the Period Ended Month, Day, Year
(millions of dollars)

NSPI (FAM) M-5
CONFIDENTIAL

		Current Month			Year-to-Date		
Generating Unit	**Additive Type**	**Quantity**	**Cost**	**$/MWh**	**Quantity**	**Cost**	**$/MWh**
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 Activated Carbon		**kgs**	**$0.000**		**- kgs**	**$0.000**	
Total Costs - Calcium Chloride		**L**	**$0.000**		**- L**	**$0.000**	
Total Mercury Sorbent Costs			**$0.000**			**$0.000**	

[a] Calculated using actual MWh produced by unit.

Commentary for the month:

NSPI Environmental Report for Mercury Emissions (b)

Annual Limit = 65 kg (c)

Month	Reported this month (d)	Reported last month	Variance	Reason for variance	2017 Actuals (e)
Jan					
Feb					
Mar					
Apr					
May					
Jun					
Jul					
Aug					
Sep					
Oct					
Nov					
Dec					
Year to Date (f)					

[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 next quarter.

[e] Shown for comparative purposes

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 Month, Date, Year

NSPI (FAM) M-6
PARTIALLY CONFIDENTIAL

	Current Month			Year-to-Date		2022 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)						

The FAM Budget reflects the Year BCF Compliance filing of $XXXM.

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 Month, Day, Year

NSPI (FAM) M-7
NON CONFIDENTIAL

Category	Variance from Budget	Details
Total Fuel and Purchased Power Expense		
Total System Requirements		
Total FAM Sales		
Net Fuel and Purchased Power Costs		
Purchased Power Costs		
Maritime Link		
Solid Fuel Costs		
Natural Gas		
Biomass Fuel Costs		
Heavy Fuel Oil		
Mercury Sorbent/Additives		
GHG Compliance		
Mercury Emissions		

Category	Variance from Forecast	Details
Total Fuel and Purchased Power Expense		
Total System Requirements		
Total FAM Sales		
Net Fuel and Purchased Power Costs		
Purchased Power Costs		
Maritime Link		
Solid Fuel Costs		
Natural Gas		
Biomass Fuel Costs		
Heavy Fuel Oil		
Mercury Sorbent/Additives		
GHG Compliance		

Nova Scotia Power Inc.
Monthly FAM Reporting
ELIADC Tariff Revenue
For the Period Ended Month, Date, Year

NSPI (FAM) M-8
PARTIALLY CONFIDENTIAL

	Month $	Month MWH
CBL Energy Charge - Fuel & Purchased Power(1)		
Provision - Q# Year (2)		
Fuel cost recovery installment payment		
Accrual Booked		
Accrual Reversed		
ELIADC in Monthly FAM Report (reported on M-1)		

ELIADC Report

	CBL Energy Charge ($)					CBL Adder ($)		
Month	Fuel & Purchased Power Charge	Variable Operating & Maintenance Charge	Fixed Cost Recovery ($)	Total Actual Energy (MWh)(1)	Target Energy (MWh)	Fixed Cost Recovery	Var Capital Adder ($)	Total Billed Charge ($)
Month 2022								

Nova Scotia Power Inc.
Monthly FAM Reporting
NS Power Energy Marketing Inc. Transaction Reporting
For the Period Ended Month, Day, Year

NSPI (FAM) M-9
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Product	Buy/Sell	Date/Time	Volume	Price	Cost/(Revenue)	Note

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

CONFIDENTIAL

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

Nova Scotia Power Inc.

Quarterly FAM Reporting

As at [Month Day, Year]

NON-CONFIDENTIAL

Nova Scotia POWER An Emera Company

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

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Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-1
CONFIDENTIAL

Compliance to the fuel portfolio and hedging plan

	000s	Option Down	Year Plan	Option Up	Option Down	Year +1 Plan	Option Up	Option Down	Year +2 Plan	Option Up	Option Down	Year +3 Plan	Option Up	Option Down	Year +4 Plan	Option Up
SOLID FUEL	HEDGED MTS															
	OPEN MTS															
	TOTAL MTS															
	HEDGED %															
	OPEN %															
	TOTAL MTS															
	LONG (4 yrs +) Min 30% Max 50%															
	MEDIUM (1-4 yrs) Min 30% Max 50%															
	SHORT (less than 1 yr) Min 0% Max 30%															
	OPEN															

SOLID FUEL TRANSPORT	OCEAN FREIGHT Hedged %					
	Open %					
	LAND TRANSPORT Hedged %					
	Open %					

	000s	Year Annual	Year +1 Annual	Year +2 Annual	Year +3 Annual
	HEDGED %				
	HEDGED BBLS				
	OPEN BBLS				
	TOTAL BBLS				

	000s	Year Annual	Year +1 Annual	Year +2 Annual	Year Q3	Year Q4	Year +1 Q1	Year +1 Q2	Year +1 Q3	Year +1 Q4	Year +2 Q1	Year +2 Q2	Year +2 Q3	Year +2 Q4
NAT GAS	HENRY HUB HEDGED													
	BASIS HEDGE													
	Henry Hub Hedged %													
	Basis Hedged %													
	TOTAL MMBTUS													

Within Target   Pending Rebalance   Outside Target

Commentary - Fuel portfolio and hedging plan

Solid Fuel
Year is based on the Q1 Forecast, **including** PHP load. The Positions Required for [Year +1 to Year+4] are from the [BCF/GRA Source] without PHP load.

Fuel Oil Year is based on Q1 [Year] Forecast, including PHP load. [Year +1 to Year +3] is based on [BCF / GRA Source] excluding PHP load.

Natural Gas

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-1
CONFIDENTIAL

Compliance to the fuel portfolio and hedging plan

Summary of Solid Fuel Portfolio Status
(in thousands of metric tonnes)

Product	Supplier	2016	2017	2018	2019	2020
Low Sulphur Positions Required (tonnes)						
LS	Supplier					
LS	Supplier					
LS	Supplier					
LS	Supplier					
LS	Supplier					
LS	Supplier					
LS	Supplier					
LS	Supplier					
LS	Supplier					
	Contracted (tonnes)					
	Open (tonnes)					
Mid & High Sulfur Positions Required						
MS	Supplier					
MS	Supplier					
MS	Supplier					
MS	Supplier					
	Contracted (tonnes)					
	Open (tonnes)					
Domestic Positions Required						
DOM	Supplier					
DOM	Inventory					
	Contracted (tonnes)					
	Open (tonnes)					
Petroleum Coke Positions Required						
PC	Supplier					
PC	Supplier					
PC	Tricon					
	Contracted (tonnes)					
	Open (tonnes)					
Total						

*This portfolio provides all commitments, including contracts remaining to be executed.

		2016	2017	2018	2019	2020
Biomass						
Biomass	Supplier					
Biomass	Supplier					
Biomass	Supplier					
	Contracted (tonnes)					
	Open (tonnes)					

		2016	2017	2018	2019	2020
Solid Fuel Ocean Freight						
Ocean	Supplier					
Ocean	Supplier					
Ocean	Supplier					
Ocean	Delivered					
	Contracted (tonnes)					
	Open (tonnes)					
Solid Fuel Land Transportation						
Land	Supplier					
Land	Supplier					
Land	Delivered					
	Contracted (tonnes)					
	Open (tonnes)					

Small differences in the Solid Fuel Portfolio Status for required Solid Fuel positions and Solid Fuel transportation may exist due to the Solid Fuel positions recognizing vessels when they arrive and the Solid Fuel transportation recognizing vessels when they are loaded and due to Solid Fuel positions incorporating positive and negative open

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-1a
CONFIDENTIAL

Solid Fuel Portfolio Updates

Supplier	Mine Source	Contract Date						Update From Last Quarter: New Commitment or Change	New Agreement Execution Date	New Contract Year and Term (Short, Mid or Long)
	Low Sulphur		2016	2017	2018	2019	2020			
Supplier	Source		55							
Supplier	Source		159							
Supplier	Source		325	300						
Supplier	Source		50							
Supplier	Source		110							
Supplier	Source		163							
	Mid Sulfur		2016	2017	2018	2019	2020			
Supplier	Source		210	200	200					
Supplier	Source		3							
	Domestic		2016	2017	2018	2019	2020			
Supplier	Source		360	221						
	Petroleum Coke		2016	2017	2018	2019	2020			
Supplier	Source		215							
Supplier	Source			300	300	300				
Supplier	Source		226							
	Biomass		2016	2017	2018	2019	2020			
Supplier			38	-	-	-				
Supplier			62	-	-					
Supplier			5							

Short-term Contract
Mid-term Contract
Long-term Contract

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-2
NON-CONFIDENTIAL

Foreign Currency Exchange Program

	2016	2017	2018	2019	2020
$US Dollar ($Millions)					
Hedged - $					
Open - $					
Total Requirement					
Hedged - $ Rate					
Open - $ Forecasted Rate					
Total - $ Blended Rate					
Hedge %					
Open %					

*Total requirement is without PHP

Foreign Currency Exchange Program - New Contract Details

Value Date	USD Amount	Rate	CDN Amount	Execution Date

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-3
CONFIDENTIAL

New Fuel Contract Summary

Contract Type	Supplier	Term	Volume Base	Price	Execution Date
CONTRACTS ONE MONTH OR LESS					
CONTRACTS GREATER THAN ONE MONTH AND LESS THAN ONE YEAR					
CONTRACTS OF ONE YEAR AND GREATER					

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-4
CONFIDENTIAL

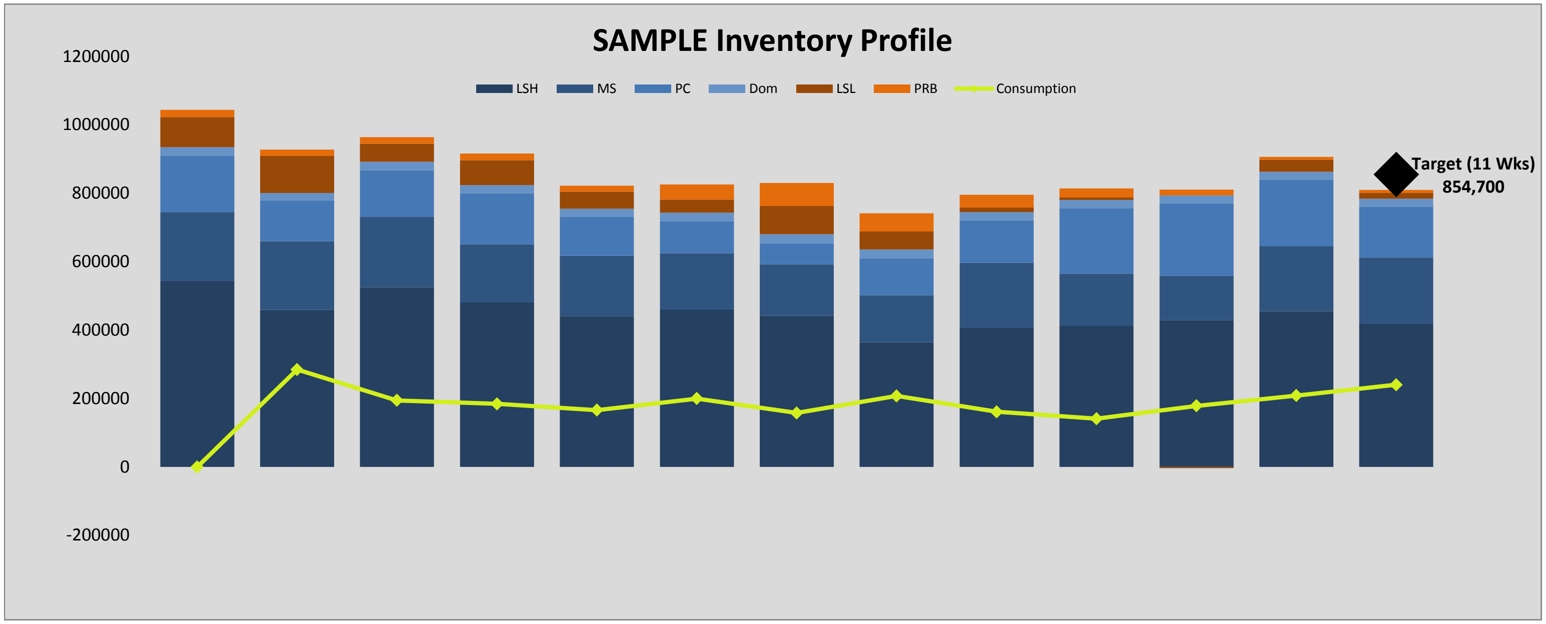
Contract Update

Contract Type	Supplier	Status
Contract Changes		
Litigation		
Force Majeure		

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-5
CONFIDENTIAL

Solid Fuel Inventory



Commentary:

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-6
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
Net Generation (MWh)											
Lingan											
Unit #1											
Gross											
Station Service											
Net											
Unit #2											
Gross											
Station Service											
Net											
Unit #3											
Gross											
Station Service											
Net											
Unit #4											
Gross											
Station Service											
Net											
Pt. Aconi											
Gross											
Station Service											
Net											
Pt. Tupper											
Gross											
Station Service											
Net											
Trenton											
Unit #5											
Gross											
Station Service											
Net											

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-6
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
Unit #6											
Gross											
Station Service											
Net											
Point Tupper Biomass											
Gross											
Station Service											
Net											
Tufts Cove											
Unit #1											
Gross											
Station Service											
Net											
Unit #2											
Gross											
Station Service											
Net											
Unit #3											
Gross											
Station Service											
Net											
LM 6000 (Tufts Cove #4)											
Gross											
Station Service											
Net											
LM6000 (Tufts Cove #5)											
Gross											
Station Service											
Net											

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-6
NON-CONFIDENTIAL

Generation and Purchased Power Statistics

	Q1 Actual	Q1 Budget	Q2 Actual	Q2 Budget	Q3 Actual	Q3 Budget	Q4 Actual	Q4 Budget	Current period Year-to-date	Prior period Year-to-date	Budget* Year-to-date
LM6000 (Tufts Cove #6)											
Gross											
Station Service											
Net											
Total CT's											
Gross											
Station Service											
Net											
Total Hydro											
Gross											
Station Service											
Net											
Total NSPI Wind											
Gross											
Station Service											
Net											
Total Generation											
Gross											
Station Service											
Net											
Purchases											
Imports											
IPP											
Total KWh Available											
Less Export Sales											
Losses (Export Sales)											
Net System Requirement											
Less GRLF requirement											
Less Load Retention											
Less Shore Power											
Less 1PT RTP											
Less Back Up/Top Up											
Less Losses **											
Net Requirement											

Note: LM6000 (Tufts Cove #6) budgeted generation is combined with Tufts Cove # 4 and Tufts Cove #5.
*2016 BCF Compliance Budget
**Includes losses for all customer classes, with the exception of Export Sales.

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-7
CONFIDENTIAL

Natural Gas Details

	Current Quarter Actual	Current Quarter Budget	Year-to-date	Rest of Year Budget	Year+1 Forecast
Purchases					
Supplier (MMBtu)					
Supplier (MMBtu)					
Supplier (MMBtu)					
Supplier (MMBtu)					
Supplier (MMBtu)					
Supplier (MMBtu)					
Supplier (MMBtu)					
Supplier (MMBtu)					
Supplier (MMBtu)					
Spot Gas (MMBtu)					
Cost of purchases (excluding hedges) ($M)					
Settlement of hedges (gain) loss ($M)					
Gas Consumed					
Gas Burn TUC1-3 (mmbtu)					
Gas Burn TUC4-6 (mmbtu)					
Gas Burn PHB (mmbtu)					
Cost of gas consumed (excluding hedges) ($M)					
Settlement of hedges (gain) loss ($M)					
Gas Resale					
Gas sold - mmbtu					
Revenue (excluding hedges) ($M)					
Settlement of hedges (gain) loss ($M)					
Cost of gas resold (excluding hedges) ($M)					
Net Margin ($M)					
Ending inventory					
Gas inventory - mmbtu					
Cost of inventory ($M)					

Figures presented are rounded to one decimal place which may cause $0.1M in rounding differences on some line items
Budget Figures are from [BCF/GRA Source]

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-8
CONFIDENTIAL

Heavy Fuel Oil Details

	Current Quarter Actual	Current Quarter Budget	Year-to-date	Rest of Year Budget	Year+1 Forecast
Purchases					
Purchase quantities (Barrels)					
Cost of purchases (excluding hedges) ($M)					
Settlement of hedges (gain) loss ($M)					
Consumption					
HFO consumed (Barrels)					
Cost of fuel consumed (excluding hedges) ($M)					
Settlement of hedges (gain) loss ($M)					
Ending inventory					
HFO inventory (Barrels)					
Cost of inventory (excluding hedges) ($M)					
Settlement of hedges (gain) loss ($M)					

*[BCF/GRA Source]
**[BCF/GRA Source]

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-8
CONFIDENTIAL

Furnace Oil Details

	Current Quarter Actual	Current Quarter Budget	Year-to-date	Rest of Year Budget	Year+1 Forecast
Purchases					
Purchase quantities (Gallons)					
Cost of purchases ($M)					
Consumption					
Furnace Oil consumed (Gallons)					
Cost of fuel consumed ($M)					
Ending Inventory					
Furnace Oil inventory (Gallons)					
Cost of inventory ($M)					

Diesel Details

	Current Quarter	Current Quarter Budget	Year-to-date	Rest of Year Budget	2017 Forecast
Purchases					
Purchase quantities (Gallons)					
Cost of purchases ($M)					
Consumption					
Diesel consumed (Gallons)					
Cost of fuel consumed ($M)					
Ending Inventory					
Diesel inventory (Gallons)					
Cost of inventory ($M)					

*[BCF/GRA Source]
**[BCF/GRA Source]

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at MMM DD, 20YY

NSPI (FAM) Q-9
CONFIDENTIAL

Import Power & Exports

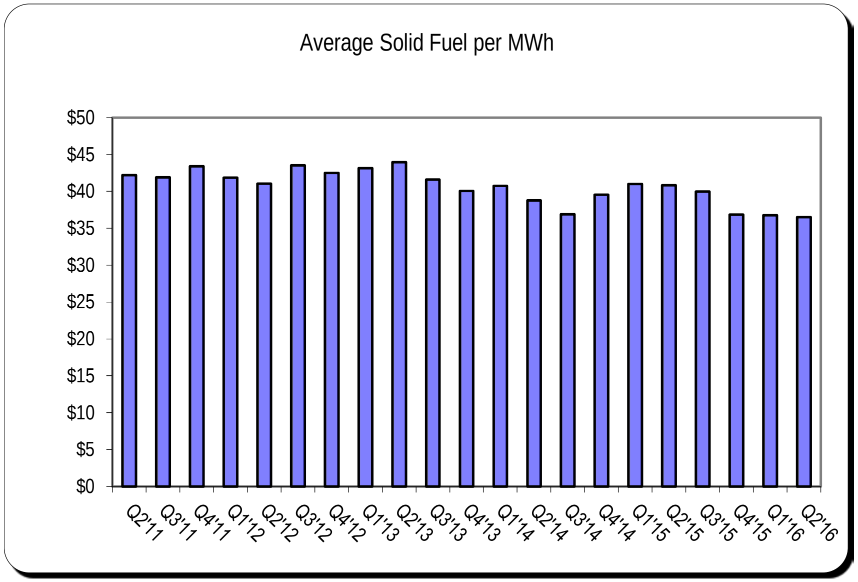
Transaction	Quarterly Volume (MWh)	Weighted Average Price
Imports		
ML NS Block	0	N/A
ML Supplemental Block	0	N/A
ML Pre-FCP/Surplus	0	$0.00
Other ML Imports	0	$0.00
Imports (Non-ML)	0	$0.00
Cost/(Benefit) of hedges	0	$0.00
Total Imports*	0	$0.00
Exports		
Exports*	0	$0.00
Cost/(Benefit) of hedges	0	$0.00

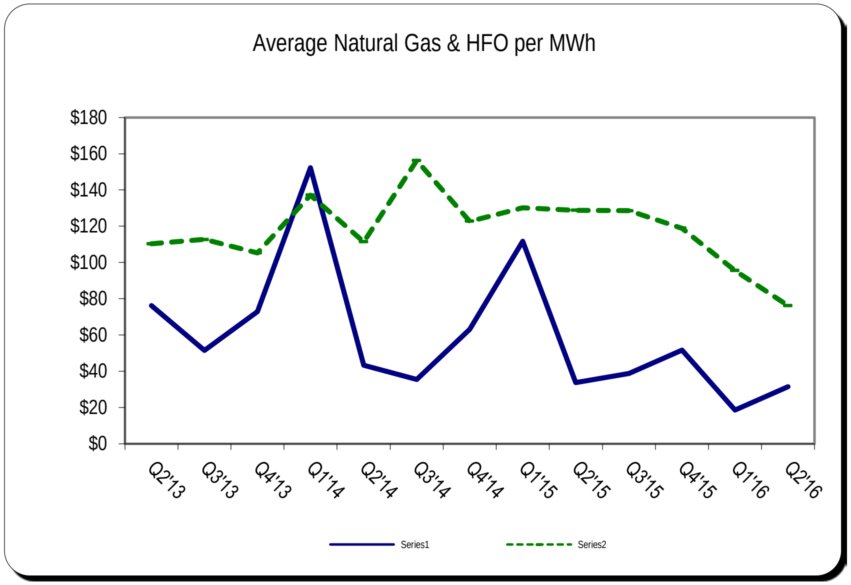
*Includes impact of Hedging, sale of Renewable Energy Credits, and Foreign Exchange.

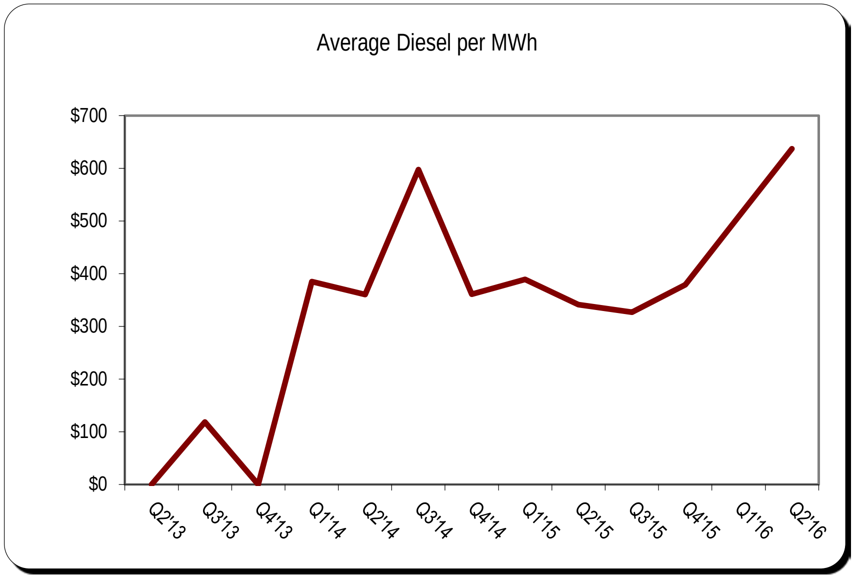
Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-10
CONFIDENTIAL

Fuel Costs per MWh







Data points represented as blank reflect values outside of the graph range or station service skewing the $/MWh due to minimal generation.

Fuel costs include the effect of hedges.

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-10
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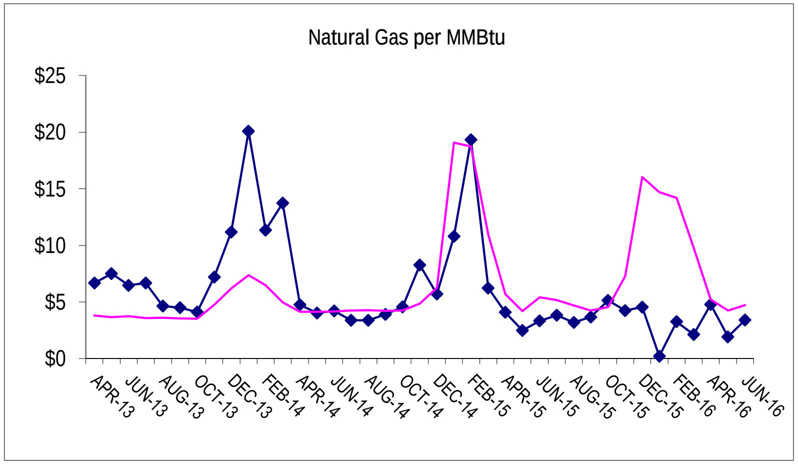
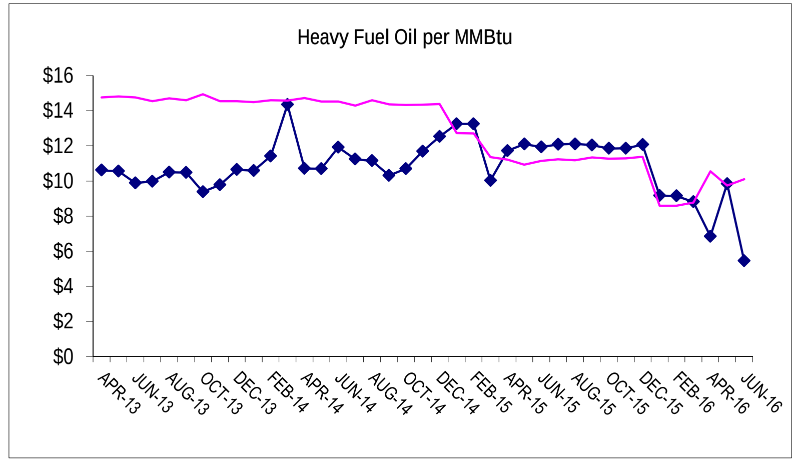
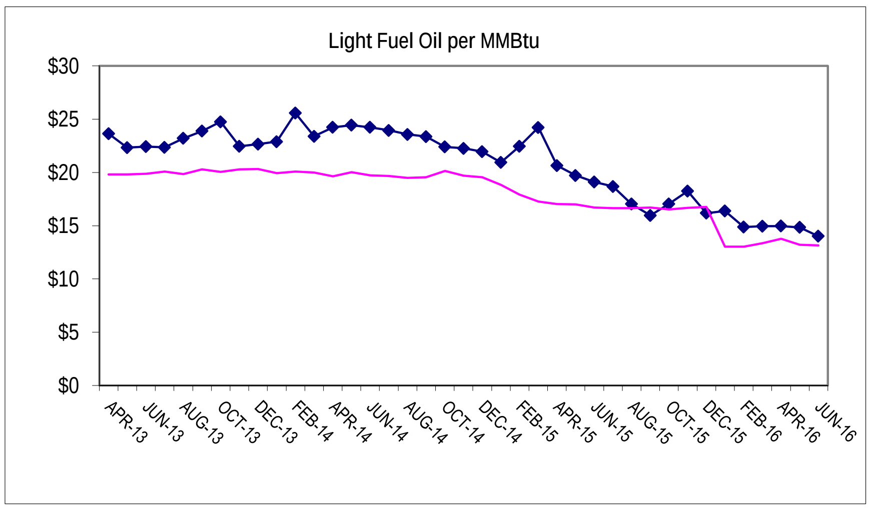
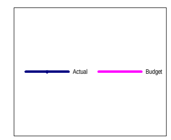
Fuel Costs per MMBtu

Actual vs. Budget









Data points represented as blank reflect values outside of the graph range.

Fuel costs include the effect of hedges.

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-10
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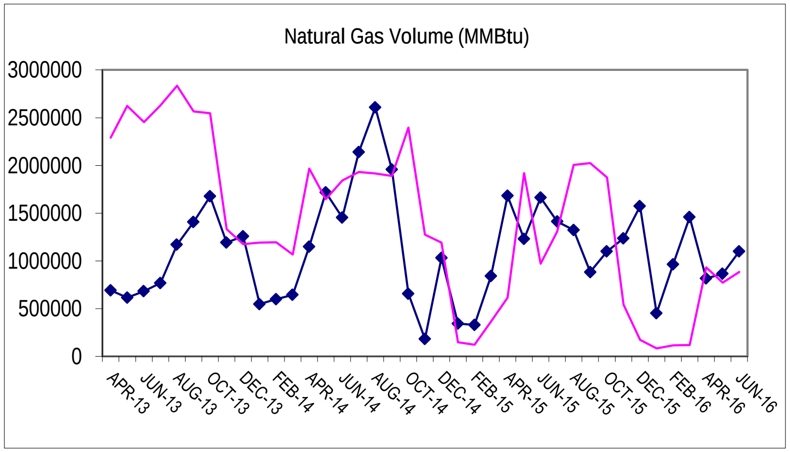
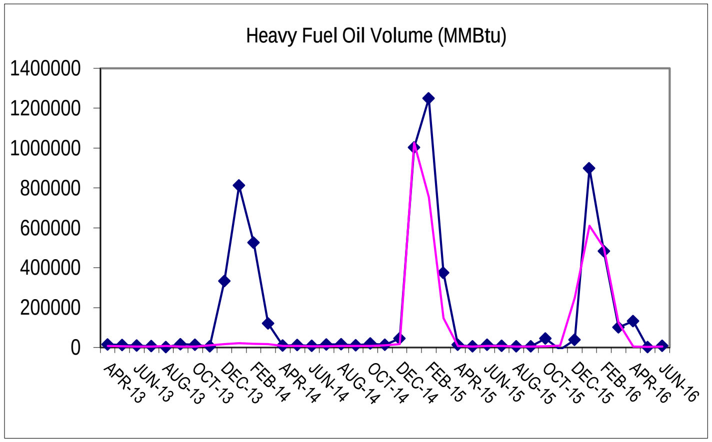
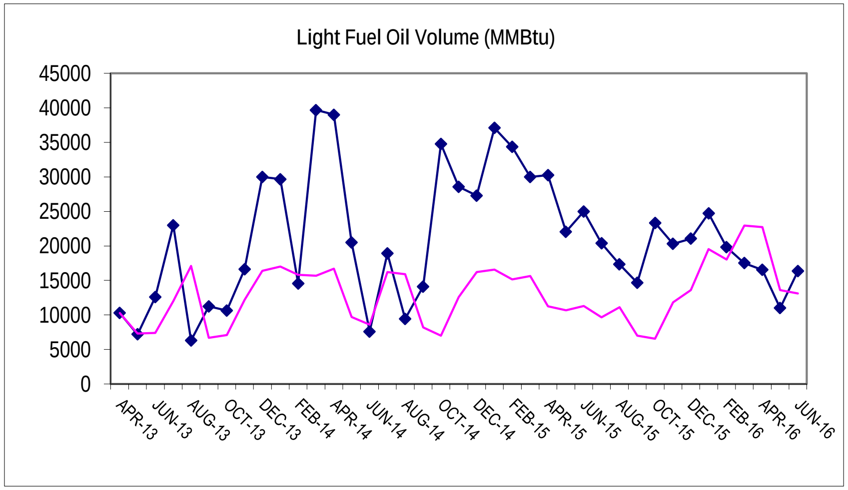
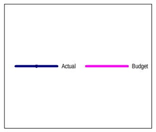
Fuel Volumes (MMBtu)

Actual vs. Budget







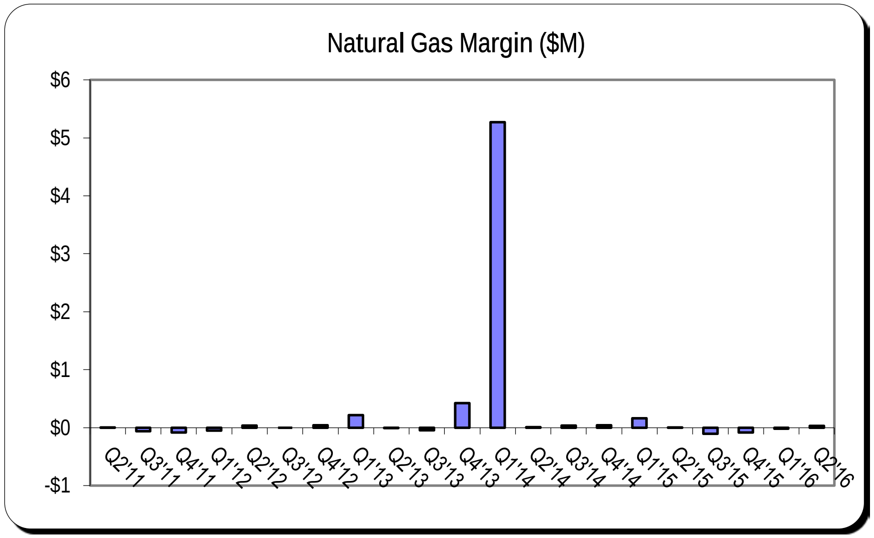


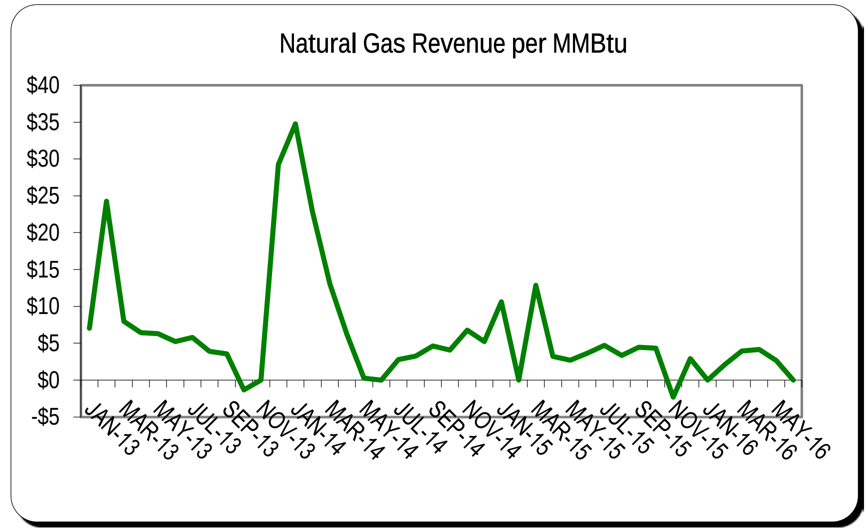
Data points represented as blank reflect values outside of the graph range.

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-10
CONFIDENTIAL

<u>Natural Gas Sales Program</u>



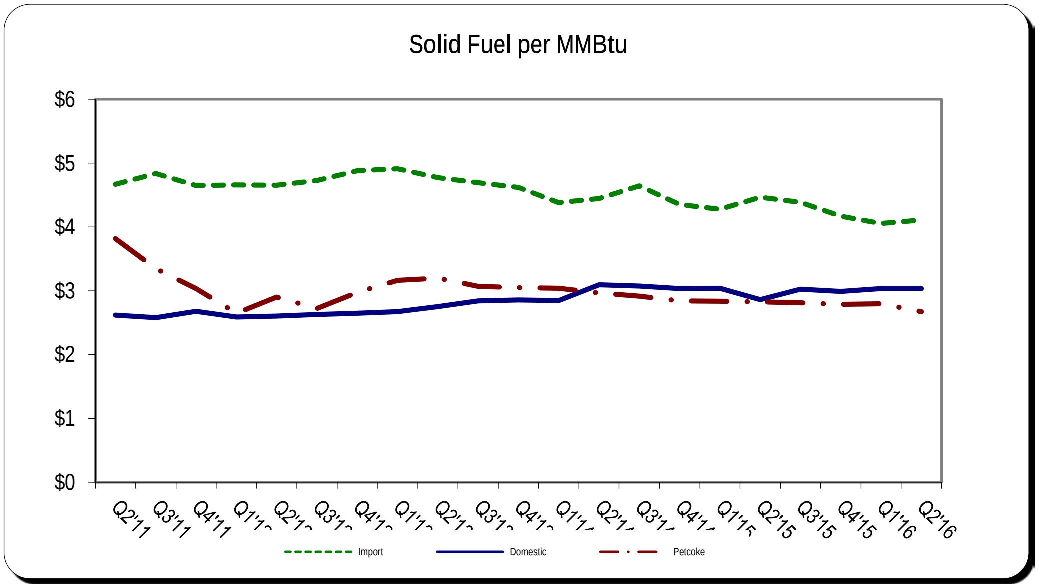


Natural gas margin is calculated using an average cost of natural gas for the month.

Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

NSPI (FAM) Q-10
CONFIDENTIAL

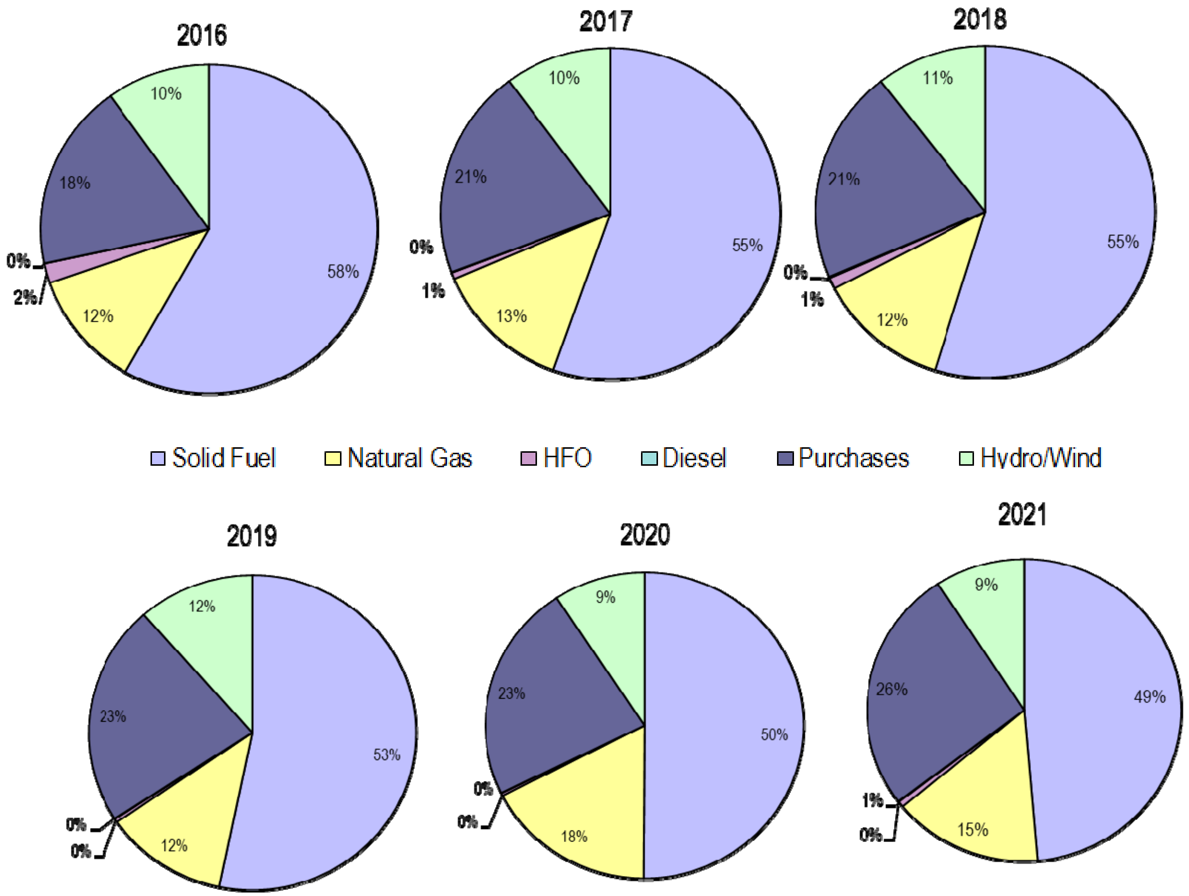
Solid Fuel Program



Nova Scotia Power Inc.
Quarterly FAM Reporting
Month, Date, Year

NSPI (FAM) Q-10
NON-CONFIDENTIAL

Annual Generation by Fuel Type



Nova Scotia Power Inc.
Quarterly FAM Reporting
As at [Month Day, Year]

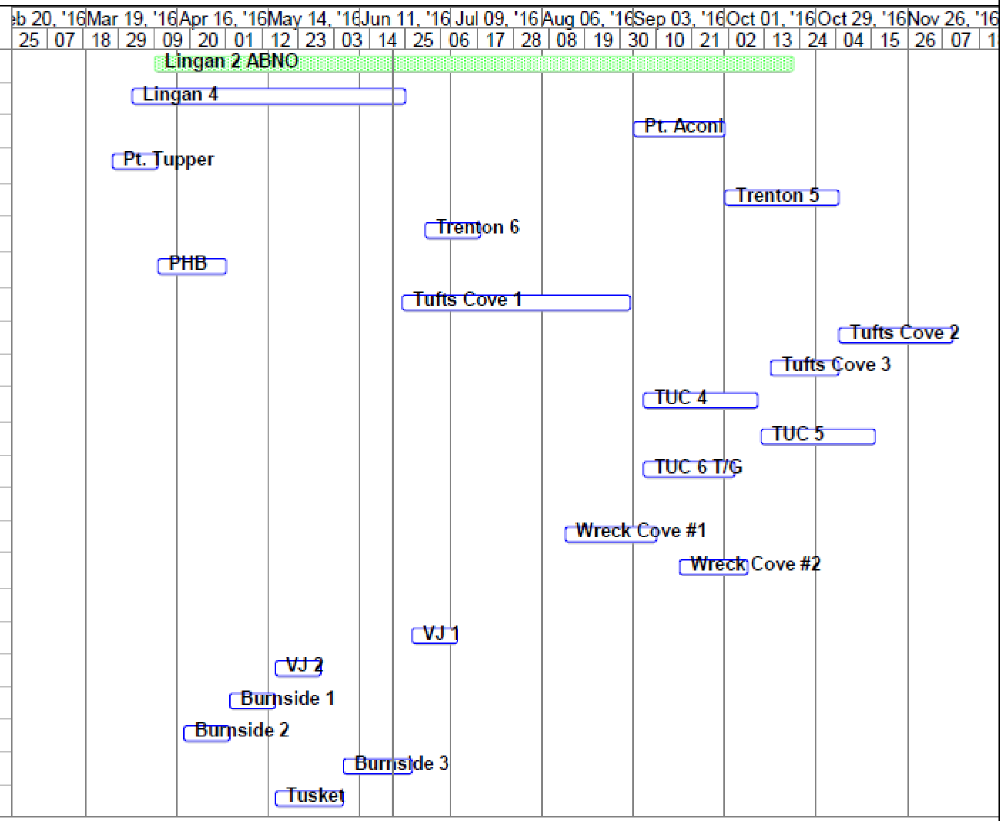
NSPI (FAM) Q-11
CONFIDENTIAL

Thermal Plant Maintenance Schedule

APPROVED

2016 Thermal Maintenance Schedule (As of June 21, 2016)

ID	Task Name	Duration	Start	Finish
1	Lingan 2 ABNO	28 ewks	Sat 04/09/16	Sat 10/22/16
2	Lingan 4	12 ewks	Sat 04/02/16	Sat 06/25/16
3	Pt. Aconi	4 ewks	Sat 09/03/16	Sat 10/01/16
4	Pt. Tupper	2 ewks	Sat 03/26/16	Sat 04/09/16
5	Trenton 5	5 ewks	Sat 10/01/16	Sat 11/05/16
6	Trenton 6	2.4 ewks	Fri 07/01/16	Mon 07/18/16
7	PHB	3 ewks	Sat 04/09/16	Sat 04/30/16
8	Tufts Cove 1	10 ewks	Fri 06/24/16	Fri 09/02/16
9	Tufts Cove 2	5 ewks	Sat 11/05/16	Sat 12/10/16
10	Tufts Cove 3	3 ewks	Sat 10/15/16	Sat 11/05/16
11	TUC 4	5 ewks	Tue 09/06/16	Tue 10/11/16
12	TUC 5	5 ewks	Wed 10/12/16	Wed 11/16/16
13	TUC 6 T/G	4 ewks	Tue 09/06/16	Tue 10/04/16
14				
15	Wreck Cove #1	4 ewks	Sat 08/13/16	Sat 09/10/16
16	Wreck Cove #2	3 ewks	Sat 09/17/16	Sat 10/08/16
17				
18	VJ 1	2 ewks	Mon 06/27/16	Mon 07/11/16
19	VJ 2	2 ewks	Mon 05/16/16	Mon 05/30/16
20	Burnside 1	2 ewks	Mon 05/02/16	Mon 05/16/16
21	Burnside 2	2 ewks	Mon 04/18/16	Mon 05/02/16
22	Burnside 3	3 ewks	Mon 06/06/16	Mon 06/27/16
23	Tusket	3 ewks	Mon 05/16/16	Mon 06/06/16



Commentary:
The above maintenance schedule reflects actual maintenance.
Solid red bars represent actual outages. Solid green bars represent seasonal outages.
Outlined blue bars represent planned outages and oulined red bars represent actual outages.

Nova Scotia Power Inc.
Quarterly FAM Reporting
Mercury Abatement Program
As at [Month Day, Year]

NSPI (FAM) Q-12
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Mercury Sorbent Details
(Including oxidizing agents)

		~ Quarter ~					~ Year To Date ~				
	Fuel Mix	Type	Quantity		Costs [$]	$/MWh	Type	Quantity		Costs [$]	$/MWh
Generating Plant											
Lingan Unit 1	LS/MS/PC	Powder Activated Carbon		Kg			Powder Activated Carbon		Kg		
Lingan Unit 2	LS/MS/PC	Powder Activated Carbon		Kg			Powder Activated Carbon		Kg		
Lingan Unit 3	LS/MS/PC	Powder Activated Carbon		Kg			Powder Activated Carbon		Kg		
Lingan Unit 4	LS/MS/PC	Powder Activated Carbon		Kg			Powder Activated Carbon		Kg		
Point Tupper	LS/MS	Powder Activated Carbon		Kg			Powder Activated Carbon		Kg		
Trenton 5	DOM/LS/MS/PC	Powder Activated Carbon		Kg			Powder Activated Carbon		Kg		
Trenton 6	LS/MS/PC	Powder Activated Carbon		Kg			Powder Activated Carbon		Kg		
Lingan	LS/MS/PC	Calcium Chloride		L			Calcium Chloride		L		
Point Tupper	DOM/LS/MS/PC	Calcium Chloride		L			Calcium Chloride		L		
Trenton	LS/MS/PC	Calcium Chloride		L			Calcium Chloride		L		
Total Mercury Sorbent Costs (PAC)				Kg					Kg		
Total Mercury Sorbent Costs (Cal. Chl.)				L					L		
Total Mercury Sorbent Costs											

Mercury Emission Levels (kgs)	Estimated Emission	Forecast	Variance	Estimated Emission YTD	Forecast YTD	Variance

Emissions Commentary -

Technical Issues Commentary -

YTD (Forecast)= January to May actuals + June (Forecast).

Fuel Mix Legend -
LS - Low Sulphur
MS - Mid Sulphur
DOM - Domestic
PC - Petcoke

Nova Scotia Power Inc.
Quarterly FAM Reporting
ELIADC Tariff Revenue
For the Period Ended Month, Date, Year

NSPI (FAM) Q-13
PARTIALLY CONFIDENTIAL

	QTD Month $	**QTD Month MWH**
ELIADC in Monthly FAM Report (reported on M1)		
Adjustments (Monthly FAM report on M8)(2)		
Fuel cost recovery installment payment (2)		
Total CBL Energy Charge (includes CBL Adder) - Fuel & Purchased Power		

ELIADC Report

Period	CBL Energy Charge ($) Fuel & Purchased Power Charge	Variable Operating & Maintenance Charge	Fixed Cost Recovery ($)	Total Delivered Energy (MWh)	Target Energy (MWh)	Fixed Cost Recovery ($)	Var Capital Adder	Total Charge ($)	Indicative Incremental cost to serve PHP ($)	Indicative ADC Load Shifting Differential ($)(1)	# of Hours Cause Code 1	# of Hours Cause Code 2	# of Hours Cause Code 3	# of Hours Cause Code 4	# of Hours Cause Code 5	Total Hours in Period
Q#																

Q# Indicative Cost Calculation Comments:

Cause Code 1 - NUP - NSP Energy System Operator initiated ramp Up
Cause Code 2 - NDN - NSP Energy System Operator initiated ramp Down
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.

ORACLE Applications

FUEL SUMMARY BY TYPE (FAM)

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

	------------ Pe Actual	riod-to-date - Forecast	---------> <- Variance	----------- Y Actual	ear-to-date - Forecast	-----------> Variance	Full Year Forecast	Prior YTD C Actual	urr/Prior YT Variance
Fuel & PP (Domestic Load Only)									
Solid Fuel									-29,489,851.00
Natural Gas									-11,845,824.00
Biomass									-284,385.00
Bunker C									-19,181,483.00
Furnace									-238,038.00
Diesel									-1,412,118.00
Additives - Mercury									-1,006,712.00
Additives									-278,998.00
Subtotal									-63,737,410.00
Fuel for Generation									-63,737,410.00
Purchased Power									
Imports									-6,397,058.00
IPP									-10,381.00
Wind Purchases									7,680,993.00
COMFIT									12,288,487.00
Total Purchased Power									13,562,041.00
Fuel & PP (Domestic Load Only)									-50,175,369.00
Fuel for Resale									
Costs									516,125.00
Recoveries									-373,866.00
Net Cost (Benefit)									142,259.00
Export Sales									
Costs									-1,222,329.00
Recoveries									1,526,962.00
Net Cost (Benefit)									304,632.00
Net Fuel and Purchased Power									-49,728,478.00
Water Royalties									25,156.00
Total Fuel and Purchased Power									-51,230,283.00
Total Fuel & PP									-51,230,283.00
FUEL COST PER Mwh:									
$/MWh on Total Generation									-7.60
$/MWh - no gas margin									-7.63
$/Mwh - no export costs									-7.55
$/Mwh - no export costs & no gas margin (Domestic Load Only)									-7.58

exports (which is a revenue line item)**

ORACLE Applications

NET GENERATION BY FUEL TYPE (FAM)

NOVA SCOTIA POWER
Period: MONTH-Year
Submitted: Date

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD C	urr/Prior YT
	Actual	*Forecast*	*Variance*	*Actual*	*Forecast*	*Variance*	*Forecast*	*Actual*	*Variance*
Net Generation (MWh)									
Lingan									
Solid Fuel									
HFO									
Tufts Cove									
HFO									
Natural Gas									
LM6000 - Natural Gas									
Trenton 5									
Solid Fuel									
HFO									
Trenton 6									
Solid Fuel									
HFO									
Point Tupper									
Solid Fuel									
HFO									
Point Aconi									
Solid Fuel									
Port Hawkesbury Biomass									
Solid Fuel									
Combustion Turbines									
Diesel									
Natural Gas									
Total Thermal Production									
Solid Fuel									
Natural Gas									
HFO									
Diesel									
Subtotal									
Purchases									
Imports									
Maritime Link									
IPP									
Wind Purchases									
COMFIT									
Subtotal									
Renewables									
Total System Requirement									
Net Generation Percentages									
Solid Fuel									
Natural Gas									
HFO									
Diesel									
Purchases									
Hydro & Tidal									

PP STATION FUEL COSTS (FAM)

Q-13c
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD C	urr/Prior YT
	Actual	*Forecast*	*Variance*	*Actual*	*Forecast*	*Variance*	*Forecast*	*Actual*	*Variance*
Solid Fuel									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Natural Gas									
MMBTU									
Costs									
$ per MMBTU									
Biomass									
Green MT									
MMBtu									
Costs									
$ per Green MT									
$ per MMBtu									
Bunker C									
Barrels									
MMBTU									
Costs									
$ per Barrel									
$ per MMBTU									
Diesel									
Gallons									
MMBTU									
Costs									
$ per Gallon									
$ per MMBTU									
Furnace									
Gallons									
MMBTU									
Costs									
$ per Gallon									
$ per MMBTU									
All Fuels									
MMBTU									
Costs									
$ per MMBTU									

Additives Costs									
Additives - Hg									
Total Consumed Costs									
Purchased Power									
Total Fuel and Purchased Power									
$/Mwh									
FX Adjustment on Consumed Fuel									
Solid Fuel									
Natural Gas									
Bunker C									
Purchased Power									
Additives - Hg									
Total FX Adjustments									
FX Adj'd Fuel & PP									
$/Mwh (FX Adj'd)									
Fuel for Resale									
Costs									
Recoveries									
Net Cost (Benefit)									
FX Adjustment on Revenue									
FX Adj on Costs									
FX Adj'd Cost(Benefit)									
Other Costs									
Adjustments									
MTM on HFO and Natural Gas									
Total Other Costs									
Total Fuel & PP									
Newpage Gas Loss									
Total Fuel and Purchased Power									

PP SOLID FUEL COSTS (FAM)

Q-13d
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

Cost Centre=VPP (V.P. POWER PRODUCTION)

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD C	urr/Prior YT
	Actual	*Forecast*	*Variance*	*Actual*	*Forecast*	*Variance*	*Forecast*	*Actual*	*Variance*
Import									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Domestic									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Pet Coke									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Other									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
All Solid Fuel									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Blend Percentages (Tonnes)									
Import									
Domestic									
Pet Coke									
Biomass									

PP HEAT RATE REPORT (FAM)

Q-13e
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NOVA SCOTIA POWER
Period: APR-16 Currency: CND
Submitted: 08-MAY-16 12:03:27

	------------ Pe Actual	riod-to-date - Forecast	---------> <- Variance	----------- Y Actual	ear-to-date - Forecast	-----------> Variance	Full Year Forecast	Prior YTD C Actual	urr/Prior YT Variance
Net Generation by Plant (MWh)									
Lingan									
Tufts Cove									
Trenton									
Point Tupper									
Point Aconi									
Port Hawkesbury Biomass									
Combustion Turbines									
LM6000 Combined Cycle (Units 4,5,6)									
Total System									
Fuel Consumption by Plant (MMBTU)									
Lingan									
Tufts Cove									
Trenton									
Point Tupper									
Point Aconi									
Port Hawkesbury Biomass									
Combustion Turbines									
LM6000 Combined Cycle (Units 4,5,6)									
Total System									
Heat Rate by Plant									
Lingan									
Tufts Cove									
Trenton									
Point Tupper									
Point Aconi									
Port Hawkesbury Biomass									
Combustion Turbines									
LM6000 Combined Cycle (Units 4,5,6)									
Total System									
Fuel Cost by Plant (Including Additives, Exclud									
Lingan									
Tufts Cove									
Trenton									
Point Tupper									
Point Aconi									
Port Hawkesbury Biomass									
Combustion Turbines									
LM6000 Combined Cycle (Units 4,5,6)									
Total System									
Fuel Cost per MWh by Plant									
Lingan									
Tufts Cove									
Trenton									
Point Tupper									
Point Aconi									
Port Hawkesbury Biomass									
Combustion Turbines									
LM6000 Combined Cycle (Units 4,5,6)									
Total System									

ORACLE Applications

NATURAL GAS REPORT (FAM)

Q-13f
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

	------------ Pe Actual	riod-to-date - Forecast	---------> <- Variance	----------- Y Actual	ear-to-date - Forecast	----------> Variance	Full Year Forecast	Prior YTD C Actual	urr/Prior YT Variance
Sales (Mmbtu)									
Sales ($$)									
Revenue									
Revenue- Gas Margin Deferral									
Gain/(Loss) on Derivatives									
Total Gas Sales									
Cost of Sales									
Shell Gas									
Newpage Gas									
Market Gas									
Fuel									
Other Costs									
Total Costs									
Net Benefit (Cost) from Gas Sales									
Net Margin/Mmbtu ($/Mmbtu)									
FX Adj. on Gas Margin									
FX Adjusted Natural Gas Margin									
FX Adj. $/Mmbtu									

Export Sales Report

Q-13g
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD	C urr/Prior YT
	Actual	Forecast	Variance	Actual	Forecast	Variance	Forecast	Actual	Variance
Sales (Mwh)									
Generation									
Losses									
Sales (Billed)									
Sales ($$)									
Cost of Sales									
Lingan 1/2									
Lingan 3/4									
Trenton									
Pt. Tupper									
Pt. Aconi									
Tufts Cove									
HFO									
Natural Gas									
LM6000									
Combustion Turbines									
Purchased Power									
Total Costs									
Net Margin on Exports									
($/Mwh)									

GENERATION STATISTICS - MWh (FAM)

Q-13h
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NOVA SCOTIA POWER
Period: MONTH-Year
Submitted: Date

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD C	urr/Prior YT
	Actual	*Forecast*	*Variance*	*Actual*	*Forecast*	*Variance*	*Forecast*	*Actual*	*Variance*
Lingan									
Tufts Cove									
Trenton									
Point Tupper									
Point Aconi									
Combustion Turbines									
LM6000									
Renewables									
Total Generation									
Purchased Power									
Imports									
IPP									
Wind									
COMFIT									
Total Purchases									
Total MWhs Available									
Domestic Revenue									
Exports									
Total Electric Revenue									
Line and Other Losses									
Export Percentage of Total MWhs									

ORACLE Applications

GEN. STATS - RENEWABLES (FAM)

Q-13h
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NOVA SCOTIA POWER
Period: MONTH-Year
Submitted: Date

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD C	urr/Prior YT
	Actual	Forecast	Variance	Actual	Forecast	Variance	Forecast	Actual	Variance
Renewables - NSPI-owned									
Hydro									
Energy Dispatch & Fuels									
Hydro Production Administ									
Dickie Brook Hydro									
Tusket Hydro									
Bear River Hydro System									
Sissiboo/Weymouth System									
Avon Hydro System									
Lequille Hydro System									
Nictaux/Paradise System									
Paradise System									
Annapolis Tidal Power									
St.Margaret's Hydro Syste									
Sheet Harbour Hydro Syste									
Black River Hydro System									
Mersey Hydro System									
Roseway & Harmony Hydro									
Harmony Hydro System									
Wreck Cove Hydro System									
Wreck Cove Windmill									
Fall River Hydro									
TOTAL									
Wind									
Little Brook Wind Turbine									
Grand Etang Wind Turbine									
203 Nuttby Wind Farm									
Digby Wind Farm									
TOTAL									
Biomass									
Port Hawkesbury Biomass									
Total NSPI Renewables									

Renewables - IPP-owned	
Wind	
Pubnico Point Wind Farm	
Lingan	
Glace Bay 1B	
Port Caledonia (Donkin)	
Gillis Cove	
Tiverton (Londonderry)	
Springhill	
Higgins Mountain	
Goodwood	
Brookfield (Lake Major)	
Fitzpatrick Mountain	
Point Tupper 1	
Digby	
Tatamagouche (Marshville/RJ)	
Amherst	
Dalhousie Mountain	
Glen Dhu North	
Maryvale	
Point Tupper 3	
Watts Section	
Fairmont	
Dunvegan	
Granville Ferry	
Isle Madame	
Creignish Rear	
Irish Mountain	
South Cape Mabou	
Spiddle Hill	
Cape North	
Donkin	
Sable Wind	
South Canoe	
Other	
TOTAL IPP WIND	
COMFIT	
HYDRO COMFIT	
SMALL WIND COMFIT	
LARGE WIND COMFIT	
BIOMASS/BIOGAS COMFIT	
SMALL TIDAL COMFIT	
TOTAL COMFIT	
IPP - Other	
Halifax Renewable Energy	
Black River Hydro	
Brooklyn Power	
Morgan Falls Power Company	
FW Taylor Lumber Company	
Minas Basin Pulp and Paper	
Cape Sharpe Tidal	
TOTAL IPP OTHER	
Total IPP Renewables	
Total Renewables	

RENEWABLES COSTS (FAM)

Q-13i
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

	<-----	-------Period-t	o-date --------	-> <-----------	- Year-to-date	-----------	Full Year	Prior YTD	C	urr/Prior
	Actual	Budget	Variance	Actual	Budget	Variance	Budget	Actual	Y	TD Variance
Renewables - NSPI-owned										
Hydro										
Energy Dispatch & Fuels										
402										
TOTAL										
Hydro Production Administratino										
Dickie Brook Hydro										
Tusket Hydro										
Bear River Hydro System										
Sissiboo/Weymouth System										
Avon Hydro System										
Lequille Hydro System										
Nictaux/Paradise System										
Paradise System										
Annapolis Tidal Power										
St. Margaret's Hydro System										
Sheet Harbour Hydro System										
Black River Hydro System										
Mersey Hydro System										
Roseway & Harmony Hydro										
Harmony Hydro System										
Wreck Cove Hydro System										
Wreck Cove Windmill										
Fall River Hydro										
TOTAL										
Wind										
Little Brook Wind Turbines										
Grand Etang Wind Turbine										
Nuttby Wind Farm										
Digby Wind Farm										
TOTAL										

Renewables - IPP-owned
Wind
Pubnico Point Wind Farm
Lingan
Glace Bay 1B
Port Caledonia (Donkin)
Gillis Cove
Tiverton (Londonderry)
Springhill
Higgins Mountain
Goodwood
Brookfield (Lake Major)
Fitzpatrick Mountain
Point Tupper 1
Digby
Tatamagouche (Marshville/RJ)
Amherst
Dalhousie Mountain
Glen Dhu North
Maryvale
Point Tupper 3
Watts Section
Fairmont
Dunvegan
Granville Ferry
Isle Madame
Creignish Rear
Irish Mountain
South Cape Mabou
Spiddle Hill
Cape North
Lingan II
Sable Wind
South Canoe
Other
TOTAL IPP WIND
COMFIT
HYDRO COMFIT
SMALL WIND COMFIT
LARGE WIND COMFIT
BIOMASS/BIOGAS COMFIT
SMALL TIDAL COMFIT
TOTAL COMFIT
IPP - Other
Halifax Renewable Energy
Black River Hydro
Brooklyn Power
Morgan Falls Power Company
FW Taylor Lumber Company
Minas Basin Pulp and Paper
Cape Sharpe Tidal
Other IPP
TOTAL IPP OTHER
Total IPP Renewables
Total Renewables

PP AVG THML LD MW/HR (FAM)

Q-13j
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year
Submitted: Date

	------------ Pe Actual	riod-to-date - Forecast	---------> <- Variance	----------- Y Actual	ear-to-date - Forecast	-----------> Variance	Full Year Forecast	Prior YTD Actual	C urr/Prior YT Variance
Net Generation by Unit (MWh)									
Lingan - Unit 1									
Lingan - Unit 2									
Lingan - Unit 3									
Lingan - Unit 4									
Tufts Cove - Unit 1									
Tufts Cove - Unit 2									
Tufts Cove - Unit 3									
LM- Unit 4									
LM- Unit 5									
LM-Unit 6									
Trenton - Unit 5									
Trenton - Unit 6									
Point Tupper									
Point Aconi									
Port Hawkesbury Biomass									
CT- Tusket									
CT-Victoria Junction									
CT- Burnside									
Total Net Generation (MWh)									
Operating Hours									
Lingan - Unit 1									
Lingan - Unit 2									
Lingan - Unit 3									
Lingan - Unit 4									
Tufts Cove - Unit 1									
Tufts Cove - Unit 2									
Tufts Cove - Unit 3									
LM- Unit 4									
LM- Unit 5									
LM-Unit 6									
Trenton - Unit 5									
Trenton - Unit 6									
Point Tupper									
Point Aconi									
Port Hawkesbury Biomass									
CT- Tusket									
CT- Victoria Junction									
CT- Burnside									
Total Operating Hours									
Average Load - MW									
Lingan - Unit 1									
Lingan - Unit 2									
Lingan - Unit 3									
Lingan - Unit 4									
Tufts Cove - Unit 1									
Tufts Cove - Unit 2									
Tufts Cove - Unit 3									
LM- Unit 4									
LM- Unit 5									
LM-Unit 6									
Trenton - Unit 5									
Trenton - Unit 6									
Point Tupper									
Point Aconi									
Port Hawkesbury Biomass									
CT- Tusket									
CT- Victoria Junction									
CT- Burnside									

LIN STATION FUEL COST (FAM)

Q-13k
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

Cost Centre=LIN (Lingan)

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD C	urr/Prior YT
	Actual	*Forecast*	*Variance*	*Actual*	*Forecast*	*Variance*	*Forecast*	*Actual*	*Variance*
Solid Fuel									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Natural Gas									
MMBTU									
Costs									
$ per MMBTU									
Biomass									
Green MT									
MMBtu									
Costs									
$ per Green MT									
$ per MMBtu									
Bunker C									
Barrels									
MMBTU									
Costs									
$ per Barrel									
$ per MMBTU									
Diesel									
Gallons									
MMBTU									
Costs									
$ per Gallon									
$ per MMBTU									

Furnace
Gallons
MMBTU
Costs
$ per Gallon
$ per MMBTU
All Fuels
MMBTU
Costs
$ per MMBTU
Additives Costs
Additives - Hg
Total Consumed Costs
Purchased Power
Total Fuel and Purchased Power
$/Mwh
FX Adjustment on Consumed Fuel
Solid Fuel
Natural Gas
Bunker C
Purchased Power
Additives - Hg
Total FX Adjustments
FX Adj'd Fuel & PP
$/Mwh (FX Adj'd)
Fuel for Resale
Costs
Recoveries
Net Cost (Benefit)
FX Adjustment on Revenue
FX Adj on Costs
FX Adj'd Cost(Benefit)
Other Costs
Adjustments
MTM on HFO and Natural Gas
Total Other Costs
Total Fuel & PP
Newpage Gas Loss
Total Fuel and Purchased Power

LINGAN SOLID FUEL COSTS (FAM)

Q-13k
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

Cost Centre=LIN (Lingan)

	------------ Pe Actual	riod-to-date - Forecast	---------> <- Variance	----------- Y Actual	ear-to-date - Forecast	-----------> Variance	Full Year Forecast	Prior YTD C Actual	urr/Prior YT Variance
Import									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Domestic									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Pet Coke									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Other									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
All Solid Fuel									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Blend Percentages (Tonnes)									
Import									
Domestic									
Pet Coke									
Biomass									

LIN HEAT RATE REPORT (FAM)

Q-13I
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

Cost Centre=LIN (Lingan)

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD C	urr/Prior YT
	Actual	Forecast	Variance	Actual	Forecast	Variance	Forecast	Actual	Variance
Net Generation by Unit (MWh)									
Unit 1									
Unit 2									
Unit 3									
Unit 4									
Unit 5									
Unit 6									
Total Plant									
Fuel Consumption by Unit (MMBTU)									
Unit 1									
Unit 2									
Unit 3									
Unit 4									
Unit 5									
Unit 6									
Total Plant									
Heat Rate by Unit									
Unit 1									
Unit 2									
Unit 3									
Unit 4									
Unit 5									
Unit 6									
Total Plant									
Fuel Cost by Unit (Including Additives, Excludi									
Unit 1									
Unit 2									
Unit 3									
Unit 4									
Unit 5									
Unit 6									
Total Plant									
Fuel Cost per MWh by Unit									
Unit 1									
Unit 2									
Unit 3									
Unit 4									
Unit 5									
Unit 6									
Total Plant									

POA STATION FUEL COST (FAM)

Q-13m
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

Cost Centre=PTA (Point Aconi)

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD C	urr/Prior YT
	Actual	*Forecast*	*Variance*	*Actual*	*Forecast*	*Variance*	*Forecast*	*Actual*	*Variance*
Solid Fuel									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Natural Gas									
MMBTU									
Costs									
$ per MMBTU									
Biomass									
Green MT									
MMBtu									
Costs									
$ per Green MT									
$ per MMBtu									
Bunker C									
Barrels									
MMBTU									
Costs									
$ per Barrel									
$ per MMBTU									
Diesel									
Gallons									
MMBTU									
Costs									
$ per Gallon									
$ per MMBTU									

Furnace									
Gallons									
MMBTU									
Costs									
$ per Gallon									
$ per MMBTU									
All Fuels									
MMBTU									
Costs									
$ per MMBTU									
Additives Costs									
Additives - Hg									
Total Consumed Costs									
Purchased Power									
Total Fuel and Purchased Power									
$/Mwh									
FX Adjustment on Consumed Fuel									
Solid Fuel									
Natural Gas									
Bunker C									
Purchased Power									
Additives - Hg									
Total FX Adjustments									
FX Adj'd Fuel & PP									
$/Mwh (FX Adj'd)									
Fuel for Resale									
Costs									
Recoveries									
Net Cost (Benefit)									
FX Adjustment on Revenue									
FX Adj on Costs									
FX Adj'd Cost(Benefit)									
Other Costs									
Adjustments									
MTM on HFO and Natural Gas									
Total Other Costs									
Total Fuel & PP									
Newpage Gas Loss	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Fuel and Purchased Power	3,920,237.00	3,701,017.00	219,220.00	15,805,438.00	16,567,235.00	-761,797.00	46,165,687.00	17,141,292.00	-1,335,854.00

POA SOLID FUEL COSTS (FAM)

Q-13n
CONFIDENTIAL

NOVA SCOTIA POWER
Period:MONTH-Year Currency: CAD
Submitted: Date

Cost Centre=PTA (Point Aconi)

	------------ Period-to-date - Actual	Forecast	---------> <- Variance	----------- Year-to-date - Actual	Forecast	-----------> Variance	Full Year Forecast	Prior YTD Actual	Curr/Prior YT Variance
Import									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Domestic									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Pet Coke									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Other									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
All Solid Fuel									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Blend Percentages (Tonnes)									
Import									
Domestic									
Pet Coke									
Biomass									

TR5 STATION FUEL COST (FAM)

Q-13o
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD C	urr/Prior YT
	Actual	Forecast	Variance	Actual	Forecast	Variance	Forecast	Actual	Variance
Solid Fuel									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Bunker C									
Barrels									
MMBTU									
Costs									
$ Per Barrel									
$ per MMBTU									
Furnace									
Gallons									
Barrels									
MMBTU									
Costs									
$ per Gallon									
$ per Barrel									
$ per MMBTU									
All Fuels									
MMBTU									
Costs									
$ per MMBTU									
Adjustments									
Additives									
Total Fuel & PP									
Generation by Fuel Type (Mwh)									
Solid Fuel									
Bunker C									
Total Generation									

TR5 SOLID FUEL COSTS (FAM)

Q-13p
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CND
Submitted: Date

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD	C urr/Prior YT
	Actual	Forecast	Variance	Actual	Forecast	Variance	Forecast	Actual	Variance
Import									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Domestic									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Pet Coke									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Other									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
All Solid Fuel									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Blend Percentages (Tonnes)									
Import									
Domestic									
Pet Coke									
Other									

ORACLE Applications

TR6 STATION FUEL COST (FAM)

Q-13p
CONFIDENTIAL

NOVA SCOTIA POWER
Period:MONTH-Year Currency: CAD
Submitted: Date

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD	C urr/Prior YT
	Actual	*Forecast*	*Variance*	*Actual*	*Forecast*	*Variance*	*Forecast*	*Actual*	*Variance*
Solid Fuel									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Bunker C									
Barrels									
MMBTU									
Costs									
$ Per Barrel									
$ per MMBTU									
Furnace									
Gallons									
Barrels									
MMBTU									
Costs									
$ per Gallon									
$ per Barrel									
$ per MMBTU									
All Fuels									
MMBTU									
Costs									
$ per MMBTU									
Additives									
Generation by Fuel Type (MWh)									
Solid Fuel									
Bunker C									
Total Generation									

ORACLE Applications

TR6 SOLID FUEL COSTS (FAM)

Q-13r
CONFIDENTIAL

NOVA SCOTIA POWER
Period:MONTH-Year Currency: CAD
Submitted: Date

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD C	urr/Prior YT
	Actual	Forecast	Variance	Actual	Forecast	Variance	Forecast	Actual	Variance
Import									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Domestic									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Pet Coke									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Other									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
All Solid Fuel									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Blend Percentages (Tonnes)									
Import									
Domestic									
Pet Coke									
Other									

ORACLE Applications

TRE HEAT RATE REPORT (FAM)

Q-13s
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

Cost Centre=TRN (Trenton)

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD C	urr/Prior YT
	Actual	*Forecast*	*Variance*	*Actual*	*Forecast*	*Variance*	*Forecast*	*Actual*	*Variance*
Net Generation by Unit (MWh)									
Unit 1									
Unit 2									
Unit 3									
Unit 4									
Unit 5									
Unit 6									
Total Plant									
Fuel Consumption by Unit (MMBTU)									
Unit 1									
Unit 2									
Unit 3									
Unit 4									
Unit 5									
Unit 6									
Total Plant									
Heat Rate by Unit									
Unit 1									
Unit 2									
Unit 3									
Unit 4									
Unit 5									
Unit 6									
Total Plant									
Fuel Cost by Unit (Including Additives, Excludi									
Unit 1									
Unit 2									
Unit 3									
Unit 4									
Unit 5									
Unit 6									
Total Plant									
Fuel Cost per MWh by Unit									
Unit 1									
Unit 2									
Unit 3									
Unit 4									
Unit 5									
Unit 6									
Total Plant									

TUP STATION FUEL COST (FAM)

Q-13t
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

Cost Centre=PTU (Point Tupper)

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD C	urr/Prior YT
	Actual	Forecast	Variance	Actual	Forecast	Variance	Forecast	Actual	Variance
Solid Fuel									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Natural Gas									
MMBTU									
Costs									
$ per MMBTU									
Biomass									
Green MT									
MMBtu									
Costs									
$ per Green MT									
$ per MMBtu									
Bunker C									
Barrels									
MMBTU									
Costs									
$ per Barrel									
$ per MMBTU									
Diesel									
Gallons									
MMBTU									
Costs									
$ per Gallon									
$ per MMBTU									

Furnace									
Gallons									
MMBTU									
Costs									
$ per Gallon									
$ per MMBTU									
All Fuels									
MMBTU									
Costs									
$ per MMBTU									
Additives Costs									
Additives - Hg									
Total Consumed Costs									
Purchased Power									
Total Fuel and Purchased Power									
$/Mwh									
FX Adjustment on Consumed Fuel									
Solid Fuel									
Natural Gas									
Bunker C									
Purchased Power									
Additives - Hg									
Total FX Adjustments									
FX Adj'd Fuel & PP									
$/Mwh (FX Adj'd)									
Fuel for Resale									
Costs									
Recoveries									
Net Cost (Benefit)									
FX Adjustment on Revenue									
FX Adj on Costs									
FX Adj'd Cost(Benefit)									
Other Costs									
Adjustments									
MTM on HFO and Natural Gas									
Total Other Costs									
Total Fuel & PP									
Newpage Gas Loss									
Total Fuel and Purchased Power									

ORACLE Applications

TUP SOLID FUEL COSTS (FAM)

Q-13u
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

Cost Centre=PTU (Point Tupper)

	------------ Pe Actual	riod-to-date - Forecast	---------> <- Variance	----------- Y Actual	ear-to-date - Forecast	-----------> Variance	Full Year Forecast	Prior YTD C Actual	urr/Prior YT Variance
Import									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Domestic									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Pet Coke									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Other									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
All Solid Fuel									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Blend Percentages (Tonnes)									
Import									
Domestic									
Pet Coke									
Biomass									

ORACLE Applications

TFT STATION FUEL COST (FAM)

Q-13v
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CND
Submitted: Date

	------------ Period-to-date ---------> Actual	Forecast	Variance	<----------- Year-to-date -----------> Actual	Forecast	Variance	Full Year Forecast	Prior YTD Actual	Curr/Prior YTD Variance
Solid Fuel									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Natural Gas									
MMBTU									
Costs									
$ w/o Hedges									
$/MMBTU									
$/MMBTU w/o Hedges									
Bunker C									
Barrels									
MMBTU									
Costs									
Costs w/o Hedges									
$/BBL									
$/BBL w/o Hedges									
$/MMBTU									
$/MMBTU w/o Hedges									
Furnace / Diesel									
Gallons									
Barrels									
MMBTU									
Costs									
$ per Gallon									
$ per Barrel									
$ per MMBTU									
All Fuels									
MMBTU									
Costs									
$ per MMBTU									
Additives Costs									
Total Consumed Costs									
Adjustments									
Pipeline Toll									
Total Fuel Costs									

TFT HEAT RATE REPORT (FAM)

Q-13w
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

Cost Centre=TCF (Tufts Cove Fuel)

	------------ Pe Actual	riod-to-date - Forecast	---------> <- Variance	----------- Y Actual	ear-to-date - Forecast	-----------> Variance	Full Year Forecast	Prior YTD C Actual	urr/Prior YT Variance
Net Generation by Unit (MWh)									
Unit 1									
Unit 2									
Unit 3									
Unit 4									
Unit 5									
Unit 6									
Total Plant									
Fuel Consumption by Unit (MMBTU)									
Unit 1									
Unit 2									
Unit 3									
Unit 4									
Unit 5									
Unit 6									
Total Plant									
Heat Rate by Unit									
Unit 1									
Unit 2									
Unit 3									
Unit 4									
Unit 5									
Unit 6									
Total Plant									
Fuel Cost by Unit (Including Additives, Excludi									
Unit 1									
Unit 2									
Unit 3									
Unit 4									
Unit 5									
Unit 6									
Total Plant									
Fuel Cost per MWh by Unit									
Unit 1									
Unit 2									
Unit 3									
Unit 4									
Unit 5									
Unit 6									
Total Plant									

ORACLE Applications

LM6000 STN FUEL COSTS (FAM)

Q-13x
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD C	urr/Prior YT
	Actual	*Forecast*	*Variance*	*Actual*	*Forecast*	*Variance*	*Forecast*	*Actual*	*Variance*
Solid Fuel									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Natural Gas									
MMBTU									
Costs									
Costs w/o Hedges									
$/MMBTU									
$/MMBTU w/o Hedges									
Bunker C									
Barrels									
MMBTU									
Costs									
$ per Barrel									
$ per MMBTU									
Furnace / Diesel									
Gallons									
Barrels									
MMBTU									
Costs									
$ per Gallon									
$ per Barrel									
$ per MMBTU									
All Fuels									
MMBTU									
Costs									
$ per MMBTU									
Additives Costs									
Total Consumed Costs									
Adjustments									
Pipeline Toll									
Total Fuel Costs									

ORACLE Applications

LM6000 HEAT RATE REP (FAM)

Q-13y
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

	<----- Actual	*-------Period-t Budget*	*o-date -------- Variance*	*-> <----------- Actual*	*- Year-to-date Budget*	*------------ Variance*	*Full Year Budget*	*Prior YTD Actual*	*C Y*	*urr/Prior TD Variance*
Net Generation by Unit (MWh)										
Unit 1										
Unit 2										
Unit 3										
Unit 4										
Unit 5										
Unit 6										
Total Plant										
Fuel Consumption by Unit (MBTU)										
Unit 1										
Unit 2										
Unit 3										
Unit 4										
Unit 5										
Unit 6										
Total Plant										
Heat Rate by Unit										
Unit 1										
Unit 2										
Unit 3										
Unit 4										
Unit 5										
Unit 6										
Total Plant										
Fuel Cost by Unit (Including Additives, Excludi										
Unit 1										
Unit 2										
Unit 3										
Unit 4										
Unit 5										
Unit 6										
Total Plant										
Fuel Cost per MWh by Unit										
Unit 1										
Unit 2										
Unit 3										
Unit 4										
Unit 5										
Unit 6										
Total Plant										

Combustion Turbines Station Fuel Costs

Q-13z
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

Cost Centre=CTS (Combustion Turbine)

	------------ Pe	riod-to-date -	---------> <-	----------- Y	ear-to-date -	----------->	Full Year	Prior YTD C	urr/Prior YT
	Actual	Forecast	Variance	Actual	Forecast	Variance	Forecast	Actual	Variance
Solid Fuel									
Tonnes									
MMBTU									
Costs									
$ per Tonne									
$ per MMBTU									
Natural Gas									
MMBTU									
Costs									
$ per MMBTU									
Biomass									
Green MT									
MMBtu									
Costs									
$ per Green MT									
$ per MMBtu									
Bunker C									
Barrels									
MMBTU									
Costs									
$ per Barrel									
$ per MMBTU									
Diesel									
Gallons									
MMBTU									
Costs									
$ per Gallon									
$ per MMBTU									

Furnace									
MMBTU									
$ per MMBTU									
All Fuels									
MMBTU									
Costs									
$ per MMBTU									
Additives Costs									
Additives - Hg									
Total Consumed Costs									
Purchased Power									
Total Fuel and Purchased Power									
$/Mwh									
FX Adjustment on Consumed Fuel									
Solid Fuel									
Natural Gas									
Bunker C									
Purchased Power									
Additives - Hg									
Total FX Adjustments									
FX Adj'd Fuel & PP									
$/Mwh (FX Adj'd)									
Fuel for Resale									
Costs									
Recoveries									
Net Cost (Benefit)									
FX Adjustment on Revenue									
FX Adj on Costs									
FX Adj'd Cost(Benefit)									
Other Costs									
Adjustments									
MTM on HFO and Natural Gas									
Total Other Costs									
Total Fuel & PP									
Newpage Gas Loss									
Total Fuel and Purchased Power									

ORACLE Applications

Port Hawkesbury Biomass Station Fuel Costs (FAM)

Q-13aa
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

	<----- Actual	*-------Period-t Budget*	*o-date -------- Variance*	*-> <----------- Actual*	*- Year-to-date Budget*	*------------ Variance*	*Full Year Budget*	*Prior YTD Actual*	*C Y*	*urr/Prior TD Variance*
Solid Fuel										
Tonnes										
MMBTU										
Costs										
$ per Tonne										
$ per MMBTU										
Natural Gas										
MMBTU										
Costs										
Costs w/o Hedges										
$ Per MMBTU										
$ per MMBTU w/o Hedges										
Furnace										
Gallons										
Barrels										
MMBTU										
Costs										
$ per Gallon										
$ per Barrel										
$ per MMBTU										
All Fuels										
MMBTU										
Costs										
$ per MMBTU										
Additives										
Generation by Fuel Type (MWh)										
Solid Fuel										
Natural Gas										
Total Generation										

Port Hawkesbury Biomass Solid Fuel Costs (FAM)

Q-13ab
CONFIDENTIAL

NOVA SCOTIA POWER
Period: MONTH-Year Currency: CAD
Submitted: Date

	<----- Actual	-------Period-t Budget	o-date -------- Variance	-> <----------- Actual	- Year-to-date Budget	------------ Variance	Full Year Budget	Prior YTD Actual	C Y	urr/Prior TD Variance
Import										
Tonnes										
MMBTU										
Costs										
$ per Tonne										
$ per MMBTU										
Domestic										
Tonnes										
MMBTU										
Costs										
$ per Tonne										
$ per MMBTU										
Pet Coke										
Tonnes										
MMBTU										
Costs										
$ per Tonne										
$ per MMBTU										
Biomass										
Tonnes										
MMBTU										
Costs										
$ per Tonne										
$ per MMBTU										
All Solid Fuel										
Tonnes										
MMBTU										
Costs										
$ per Tonne										
$ per MMBTU										
Blend Percentages (Tonnes)										
Import										
Domestic										
Pet Coke										
Biomass										

FAM CALENDAR 2023-2024
Appendix D
May 8, 2023

January 2023

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
		2022 FAM AA/BA IR Repsonse filed by NSP** Report Intervenor Evidence**	2020-2021 FAM Audit NSP Reply**			
23	24	25	26	27	28	29
FAM Monthly Report (December 2022)						
30	31	**NOTES**	** Actual date to be determined by NSUARB			

February 2023

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
30	31	1	2	3	4	5
		2022 FAM AA/BA Report Intervenor Evidence**	Round 1 2020-2021 FAM Audit Intervenor IRs to NSP and BW**			
6	7	8	9	10	11	12
13	14	15	16	17	18	19
		2022 FAM AA/BA Report NSP Reply**				
20	21	22	23	24	25	26
	FAM Monthly Report (January 2023)		Round1 2020-2021 FAM Audit IR Responses from NSP and BW**		FAM Quarterly Report (Q4 2022)*	
27	28	1	2	3	4	5
6	7	**NOTES**	* Subject to confirmation fo release date of NS Power's quarterly financial results ** Actual date to be determined by NSUARB			

March 2023

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
27	28	1	2	3	4	5
		FAM Annual Report (2022)				
6	7	8	9	10	11	12
13	14	15	16	17	18	19
			Round 2 2020-2021 FAM Audit Intervenor IRs to BW and NSP**			
20	21	22	23	24	25	26
	FAM Monthly (February 2023)					
27	28	29	30	31	1	2
3	4	**NOTES**	Anticipated FAM SWG Meeting (date to be determined) ** Actual date to be determined by NSUARB			

April 2023

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
27	28	29	30	31	1	2
3	4	5	6	7	8	9
			Round 2 2020-2021 FAM Audit IR Responses from NSP and BW**			
10	11	12	13	14	15	16
17	18	19	20	21	22	23
			2020-2021 FAM Audit Intervenor Evidence**	FAM Monthly Report (March 2023)		
24	25	26	27	28	29	30
1	2	**NOTES**	** Actual date to be determined by the NSUARB			

May 2023

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
1	2	3	4	5	6	7
8	9	10	11	12	13	14
			2020-2021 FAM Audit IRs to Intervenors			
15	16	17	18	19	20	21
FAM Quarterly Report (Q1 2023)*						
22	23	24	25	26	27	28
FAM Monthly Report (April 2023)						
29	30	31	1	2	3	4
5	6	**NOTES**	* Subject to confirmation of release date of NS Power's quarterly financial results			
			** Actual date to be determined by NSUARB			

June 2023

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
29	30	31	1	2	3	4
			2020-2021 FAM Audit Intervenor responses to Irs			
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
		FAM Monthly Report (June 2023)				
26	27	28	29	30	1	2
			2020-2021 FAM Audit Rebuttal Evidence BW and NSP**			
3	4	**NOTES**	Anticipated FAM SWG Meeting (date to be determined)			

July 2023

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
26	27	28	29	30	1	2
					CANADA DAY	
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
				FAM Monthly Report (June 2023)		
24	25	26	27	28	29	30
31	1	**NOTES**				

August 2023

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
31	1	2	3	4	5	6
7	8	9	10	11	12	13
			2020-2021 FAM Audit Letters of Comment and Requests to Speak**			
14	15	16	17	18	19	20
FAM Quarterly Report (Q2 2023)*						
21	22	23	24	25	26	27
FAM Monthly Report (July 2023)						
28	29	30	31	1	2	3
4	5	**NOTES**	* Subject to confirmation of release date of NS Power's quarterlyfinancial reuslts			

September 2023

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
28	29	30	31	1	2	3
4	5	6	7	8	9	10
	2020-2021 FAM Audit Deadline for filing Settlement Agreement**		2020-2021 FAM Audit Opening Statements**			
11	12	13	14	15	16	17
2020-2021 FAM Audit Hearing Commences**						
18	19	20	21	22	23	24
			FAM Monthly Report (August 2023)			
25	26	27	28	29	30	1
2	3	**NOTES**	Anticipated FAM SWG meeting (date to be determined)			

October 2023

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
File 2024 FAM AA/BA Rates Application						
23	24	25	26	27	28	29
FAM Monthly Report (September 2023)						
30	31	**NOTES**				
2024 FAM AA/BA IR's receive **						

November 2023

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
Remembrance Day	FAM Quarterly Report (Q3 2023)* 2024 FAM AA/BA IR's filed by NSP **					
20	21	22	23	24	25	26
2024 FAM AA/BA Intervenor Evidence **	FAM Monthly Report (October 2023)					
27	28	29	30	1	2	3
2024 FAM AA/BA reply filed by NSP **						
4	5	**NOTES**	* Subject to confirmation of release date of NS Power's quarterly financial results ** Actual date to be determined by NSUARB			

December 2023

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
			FAM Monthly Report (November 2023)	NSP to file Annual Natural Gas Report		
25	26	27	28	29	30	31
1	2	**NOTES**	Anticipated FAM SWG meeting (date to be determined)			
			* Actual date to be determined by NSUARB			

January 2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
	FAM Monthly Report (December 2023)					
29	30	31	1	2	3	4
5	6	**NOTES**				

February 2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
29	30	31	1	2	3	4
			2022-2023 FAM Audit Process Starts***			
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
		FAM Monthly Report (January 2024)				
26	27	28	29	1	2	3
	FAM Quarterly Report (Q4 2023)*					
4	5	**NOTES**	* Subject to confirmation of release date of NS Power's quarterly financial results			
			*** FAM POA 2023-2025 says that FAM Audit is to commence in February or such other time as directed by the NSUARB"			

March 2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
26	27	28	29	1	2	3
				FAM Annual Report (2023)		
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
			FAM Monthly Report (February 2024)			
25	26	27	28	29	30	31
				GOOD FRIDAY		
1	2	**NOTES**	FAM SWG Meeting (date to be determined)			

April 2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
1	2	3	4	5	6	7
EASTER MONDAY						
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
FAM Monthly Report (March 2024)						
29	30	1	2	3	4	5
6	7	**NOTES**				

May 2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
FAM Quarterly Report (Q1 2024)*						
20	21	22	23	24	25	26
	FAM Monthly Report (April 2024)					
27	28	29	30	31	1	2
3	4	**NOTES**	* Subject to confirmation of release date of NS Power's quarterly financial results			

June 2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
				FAM Monthly Report (May 2024)		
24	25	26	27	28	29	30
1	2	**NOTES**	Anticipated FAM SWG Meeting (date to be determined)			

July 2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
1	2	3	4	5	6	7
CANADA DAY	2022-2023 FAM Audit Report from BW**			NSP to file confidentiality justifications for 2022-2023 FAM Audit Report**		
8	9	10	11	12	13	14
15	16	17	18	19	20	21
	2022-2023 FAM Audit Report NSP Irs to BW** Notices of Intervention**					
22	23	24	25	26	27	28
FAM Monthly Report (Jue 2024)						
29	30	31	1	2	3	4
5	6	**NOTES**	** Assumes biennial FAM Audit in 2024 for 2022-2023 ** Actual date to be determined by NSUARB			

August 2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
29	30	31	1	2	3	4
5	6	7	8	9	10	11
NATAL DAY	2022-2023 FAM Audit Report BW IR Responses to NSP**					
12	13	14	5	16	17	18
FAM Quarterly Report (Q2 2024)*						
19	20	21	22	23	24	25
		FAM Monthly Report (July 2024)				
26	27	28	29	30	31	1
2	3	**NOTES**	* Subject to confirmation of release date of NS Power's quarterly financial results ** Actual date to be determined by NSUARB			

September 2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
26	27	28	29	30	31	1
2	3	4	5	6	7	8
LABOUR DAY						
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
FAM Monthly Report (August 2024)						
30	1	**NOTES**	Anticipated FAM SWG Meeting - Date to be Determined ** Actual date to be determined by NSUARB			
Round 1 2022-2023 FAM Audit IR Responses from NSP and BW**						

October 2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
Round 2 2022-2023 FAM Audit IRs to NSP and BW**				File 2024 FAM AA/BA Rates Application		
21	22	23	24	25	26	27
FAM Monthly Report (September 2024)						
28	29	30	31	1	2	3
4	5	**NOTES**	** Actual date to be determined by NSUARB			

November 2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
28	29	30	31	1	2	3
				2025 FAM AA/BA Rates Intervenor IRs to NSP**		
4	5	6	7	8	9	10
Round 2 2022-2023 FAM Audit IR Responses from NSP and BW**						
11	12	13	14	15	16	17
	FAM Quarterly Report (Q3 2024)*			2025 FAM AA/BA Rates NSP Responses to IRs**		
18	19	20	21	22	23	24
2022-2023 FAM Audit Intervenor Evidence**			FAM Monthly Report (October 2024)	2025 FAM AA/BA Rates Intervenor Evidence**		
25	26	27	28	29	30	1
				2025 FAM AA/BA Rates NSP Reply **		
2	3	**NOTES**	* Subject to confirmation of release date of NS Power's quarterly financial results ** Actual date to be determined by NSUARB			

December 2024

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
2022-2023 FAM Audit Rebuttal Evidence (NSP and BW)**						
16	17	18	19	20	21	22
			NSP to file Natural Gas Report			
23	24	25	26	27	28	29
FAM Monthly Report (November 2024)						
30	31	**NOTES**	Anticipated FAM SWG Meeting (date to be determined) ** Actual date to be determined by NSUARB			

Appendix E

FAM Tariff

Effective February 2, 2023

APPLICABILITY:

This schedule is a mandatory rider to all electric rate schedules, except the following tariffs: Generation Replacement and Load Following, Extra High Voltage Time-of-Use Real Time Pricing, High Voltage Time-of-Use Real Time Pricing, Distribution Voltage Time-of-Use Real Time Pricing. FAM adjustments will apply to the Standard Energy Charge of the Extra Large Industrial 2P-RTP tariff. FAM adjustments will apply to Additional Energy supplied under the Mersey System Agreement when Additional Energy is priced at a tariff to which FAM adjustments apply.

FUEL ADJUSTMENT:

The applicable charges for electric service to the Company's retail and municipal customers shall be increased or decreased to the nearest 0.001 cents per kWh to recover or credit the difference in actual fuel cost from the costs in base rates in accordance with the following rate class-specific formula:

Fuel Adjustment Rider = AA + BA

Where:

"AA" is a rate class-specific Actual Adjustment which is the difference between fuel-related costs recovered from a rate class through the application of the base rates during the previous calendar year and the actual Fuel Costs incurred and allocated to the rate class for the same time period. The actual fuel costs will include the same cost items as base fuel costs.

"BA" is a rate class-specific Balance Adjustment which accounts for any over- or under-collections which have occurred as a result of prior adjustments.

SPECIAL CONDITIONS:

(1) Base Cost of Fuel

The Base Cost of Fuel can be re-set in a General Rate Application or, absent a General Rate Application, every second year as part of the FAM adjustment process. Changes in the Base Cost of Fuel will be reflected in customers' rates going forward and will be applied to each customer class in a manner consistent with the then-current Board-approved Cost of Service Methodology.

(2) Incentive
For a total fuel cost variance of up to $50 million dollars (Actual Fuel Costs - [(Actual Sales) x (Base Fuel Cost $/Mwh)]), 90% of any savings or increase in cost will be credited or charged to customers. The portion of any variance that is in excess of $50 million dollars will be fully applied in the calculation of the "AA". Credits or charges will be applied to the energy component of rates on a cents per kWh basis.

(3) Load Migration to non-FAM classes
When a customer transitions its load, whether in whole or in part, from a FAM class to a non-FAM class, NS Power shall determine the outstanding fuel cost imbalance of the customer at the time of transition. This determined imbalance will be adjusted as necessary in future FAM proceedings concerned with apportionment of fuel costs incurred in the period in question. The adjustments will be subject to UARB approval. The outstanding imbalance and subsequent adjustments will be paid (or reimbursed) in full on reasonable terms acceptable to the customer and NS Power, or if the parties are unable to agree, as determined by the UARB.

The applicable charges by rate class are as follows

	Effective February 2, 2023		
Rate Class	**Actual Adjustment (AA) in cents per kWh**	**Balance Adjustment (BA) in cents per kWh**	**FAM AA/BA Combined in cents per kWh**
Domestic Service, Domestic Service Time-of-Day, Domestic Service Time of Use, Domestic Service Critical Peak Pricing	0.000	0.000	0.000
Small General, Small General Time of Use, Small General Critical Peak Pricing	0.000	0.000	0.000
General, General Time of Use, General Critical Peak Pricing	0.000	0.000	0.000
Large General	0.000	0.000	0.000
Small Industrial	0.000	0.000	0.000
Medium Industrial	0.000	0.000	0.000
Large Industrial Firm	0.000	0.000	0.000
Large Industrial Interruptible	0.000	0.000	0.000
Municipal	0.000	0.000	0.000
Outdoor Recreational Lighting	0.000	0.000	0.000
Unmetered	0.000	0.000	0.000

	Effective January 1, 2024		
Rate Class	**Actual Adjustment (AA) in cents per kWh**	**Balance Adjustment (BA) in cents per kWh**	**FAM AA/BA Combined in cents per kWh**
Domestic Service, Domestic Service Time-of-Day, Domestic Service Time of Use, Domestic Service Critical Peak Pricing	0.000	0.000	0.000
Small General, Small General Time of Use, Small General Critical Peak Pricing	0.000	0.000	0.000
General, General Time of Use, General Critical Peak Pricing	0.000	0.000	0.000
Large General	0.000	0.000	0.000
Small Industrial	0.000	0.000	0.000
Medium Industrial	0.000	0.000	0.000
Large Industrial Firm	0.000	0.000	0.000
Large Industrial Interruptible	0.000	0.000	0.000
Municipal	0.000	0.000	0.000
Outdoor Recreational Lighting	0.000	0.000	0.000
Unmetered	0.000	0.000	0.000

Requirement:

- **Maintenance and repair expenses.**
- **Insurance and security costs.**
- **Salaries and benefits.**
- **Pension expenses, noting any changes to assumptions since the last rate filing.**
- **Other post-retirement benefits.**
- **Billing and collection expense.**
- **Outside or contract services.**
- **Regulatory expenses.**

Submission:

Please refer to Partially Confidential Attachment 1.

Nova Scotia Power Inc.

Operating, Maintenance and General
Years Ended December 31st
Thousands of Dollars

2026-2027 Financial Outlook

1		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2		**Compliance 2024**	**Compliance 2024 Restated**	**Actual 2024**	**Forecast 2025**	**Present Rates 2026**	**Present Rates 2027**	**Proposed Rates 2026**	**Proposed Rates 2027**
3					[redacted]				
4	Salaries & Benefits (net of pension expense)	$169,283	$169,283	$196,168	[redacted]	$213,451	$216,712	$213,451	$216,712
5	Insurance Costs	10,603	10,603	9,176	[redacted]	9,971	10,359	9,971	10,359
6	Membership Dues & Professional Association Charges	1,716	1,716	2,061	[redacted]	2,359	2,406	2,359	2,406
7	Contracts	64,437	64,437	74,940	[redacted]	78,648	80,901	78,648	80,901
8	Maintenance & Repair Expenses	104,341	104,820	116,602	[redacted]	132,409	137,033	132,409	137,033
9	Billing & Collection Expense	9,374	9,374	10,342	[redacted]	11,054	11,336	11,054	11,336
10	Regulatory Expenses	7,022	7,022	9,386	[redacted]	9,495	9,708	9,495	9,708
11					[redacted]				
12	**Pension:**				[redacted]				
13	Pension Plans	21,551	21,551	16,557	[redacted]	20,400	22,700	20,400	22,700
14	Other Post Retirement Benefits	1,600	1,600	1,400	[redacted]	1,300	1,400	1,300	1,400
15	**Total Pension Expense**	**$23,151**	**$23,151**	**$17,957**	[redacted]	**$21,700**	**$24,100**	**$21,700**	**$24,100**
16									

17 **Notes:**
18 1) Figures presented reflect whole numbers which may cause rounding differences on some line items.
19 2) Salaries & Benefits has been adjusted to exclude pension expense charged to labour.
20 3) Insurance Costs consist of total expenses in account 533550 - Insurance.
21 4) Membership Dues & Professional Association Charges consist of total expenses in account 532600 - Membership Dues.
22 5) Contracts consist of total expenses in accounts 531550 and 531710.
23 6) Maintenance & Repair Expenses consist of costs for the repair and maintenance of all Power Production, transmission, and distribution assets. Expenses are comprised of direct labour, contracts, materials and associated miscellaneous expenses (includes storm repairs and vegetation management).

24 7) Billing & Collection Expenses comprise Billing & Payment Services (includes labour, freight & postage) and Credit Services (includes net bad debt, third party collection services and excludes internal customer care centre labour).

25 8) Regulatory Expenses consist of all labour and non-labour expenses incurred by Regulatory Affairs.
26 9) Other Post Retirement Benefits consists of Long Service Awards and Post Retirement Benefit Plans.

Forecasts are compiled for purposes of this rate application and are not intended to be relied upon for other purposes.

Requirement:

- **Income tax, including details of tax calculations**
- **Taxes other than income taxes, including details of tax calculations**

Submission:

Please refer to Partially Confidential Attachment 1 (electronic).

2026-2027 GRA OE-10 – OE-11 Partially Confidential Attachment 1 has been removed due to confidentiality.

Requirement:

Foreign exchange hedging.

Submission:

Please refer to Confidential Attachment 1.

2026-2027 GRA OE-12 Confidential Attachment 1 has been removed due to confidentiality.

Requirement:

Dues and professional association charges.

Submission:

Please refer to OE-02 – OE-09.