NON-CONFIDENTIAL

Request IR-1:

Please provide the total amount of power (in kilowatts) generated by Nova Scotia Power Incorporated annually.

Response IR-1:

Please refer to Attachment 1.

Annual Generation (KWh)	2009	2010	2011
	Actual	Actual	Actual
Net Generation	11,161,250,000	11,166,524,000	10,648,080,000
Purchases	930,668,000	997,082,000	1,269,003,000
Total System Requirement	12,091,918,000	12,163,606,000	11,917,083,000

NON-CONFIDENTIAL

Request IR-2:

Please provide data for power generated based on time-of-use over the course of three years.

Response IR-2:

Please refer to Liberal IR-3.

NON-CONFIDENTIAL

Request IR-3:

Please provide the power generated by individual rate classes over the course of the last three years.

Response IR-3:

NS Power tracks sales by customer class as outlined in the following figure.

Sales by Class (GWh)			
	Actual 2009	**Actual 2010**	**Actual 2011**
Residential			
Residential	4,069.3	3,976.1	4,082.7
Time of Use	158.4	171.1	191.9
Total Residential	**4,227.8**	**4,147.2**	**4,274.6**
General			
Small general	236.2	232.2	238.8
General	2,454.4	2,440.2	2,448.0
Large general	416.7	416.1	414.9
Total General	**3,107.3**	**3,088.5**	**3,101.7**
Industrial			
Small industrial	251.6	254.2	253.8
Medium industrial	497.8	490.7	491.9
Large industrial	900.6	929.0	915.2
Load Retention Tariff	-	-	-
GRLF	6.3	20.4	17.1
Mersey Basic Block	169.6	189.0	189.0
Mersey Additional Energy	121.6	167.2	174.3
Extra large industrial 2P-RTP	1,694.9	1,857.1	1,474.7
Total Industrial	**3,642.4**	**3,907.7**	**3,516.0**
Other			
Municipal	198.1	193.2	191.3
Unmetered	112.0	112.8	112.9
Total Other	**310.1**	**306.0**	**304.3**
Total In Province Electric Sales	**11,287.5**	**11,449.4**	**11,196.6**
Export	**18.1**	**5.8**	**9.0**
Total Electric Sales	**11,305.7**	**11,455.2**	**11,205.6**

Notes:

Figures presented reflect whole numbers which may cause rounding differences on some line items.

CONFIDENTIAL (Attachment Only)

Request IR-4:

Please provide the total annual volume of exported power from Nova Scotia Power to other jurisdictions between 2002 and 2010. Please list by jurisdiction.

Response IR-4:

NS Power does not track exports by jurisdiction since our counterparties do not necessarily represent a specific single jurisdiction, or at least not one that is always known to us. By virtue of the physical components of NS Power's system, all of our exports are through New Brunswick. However, we are able to provide the breakdown by counter-party. Please refer to Confidential Attachment 1. Please note that the breakdown by counter-party was unavailable for 2002 and 2003. The total annual volume of exported power for those years is provided.

CONFIDENTIAL (Attachment Only)

Request IR-5:

Please provide the total annual volume of imported power to Nova Scotia through NSPI transmission lines from other jurisdictions between 2002 and 2010. Please list by jurisdiction.

Response IR-5:

NS Power does not track imports by jurisdiction since our counterparties do not necessarily represent a specific single jurisdiction, or at least not one that is always known to us. By virtue of the physical components of NS Power's system, all of our imports are through New Brunswick. However, we are able to provide the breakdown by counter-party. Please refer to Confidential Attachment 1. Please note that the breakdown by counter-party was unavailable for 2002 and 2003. The total annual volume of imported power for those years is provided.

NON-CONFIDENTIAL

Request IR-6:

Please provide a breakdown of power generated sources imported to Nova Scotia from other jurisdictions, e.g. nuclear, hydroelectricity, coal, etc.

Please provide price points on purchases of power originating outside of Nova Scotia over the past 10 years. In addition, please provide total expenditures on power originating outside of Nova Scotia.

Response IR-6:

Generation sources are not supplied as part of a power deal.

The price points that were used for power imports were:

- MEPCO (NEPOOL)
- HQ (Hydro Quebec)
- NB (New Brunswick)

Total expenditure on power imported from outside of Nova Scotia from 2002 to 2012 was $257.5 million.

NON-CONFIDENTIAL

Request IR-7:

Please provide price points on sales of power exported to jurisdictions outside of Nova Scotia over the past 10 years. In addition, please provide total revenue on power exported outside of Nova Scotia.

Response IR-7:

The price point that were used for power exports were:

- MEPCO (NEPOOL)
- HQ (Hydro Quebec)
- MECL (PEI)
- NB (New Brunswick)

Total revenue on power exported outside of Nova Scotia from 2002 to 2011 was $89.0 million.

NON-CONFIDENTIAL

Request IR-8:

Please provide a comprehensive list of stranded assets currently owned and/or operated by Nova Scotia Power Incorporated.

Response IR-8:

In the electric utility context, stranded assets typically refer to assets that become no longer used and useful in the provision of electricity services in advance of being fully depreciated. The reasons for the obsolescence can be technical, performance-related, changed legislative or regulatory requirements or other factors.

NS Power does not have stranded assets. It is anticipated that in future, certain non-LED Streetlights may become stranded as NS Power begins to implement the province-wide LED Streetlight program. The Company's capital work order application for that program will address the treatment for recovery of those prudently incurred investments. The Company's prudently incurred costs are recovered through customer rates in accordance with Board-approved depreciation rates. As the estimated useful lives of the assets employed to provide service to our customers change, so do the depreciation rates which enable the recovery of these cost from customers.

NON-CONFIDENTIAL

Request IR-9:

Please provide a comprehensive geographical map of stranded assets currently owned as and/or operated by Nova Scotia Power Incorporated, as enumerated in Request IR – 8.

Response IR-9:

Please refer to Liberal IR-8.

NON-CONFIDENTIAL

Request IR-10:

Please provide the financial liability associated with each individual stranded asset as enumerated in IR – 8. As well, a total of all costs associated with stranded assets owners or operated by Nova Scotia Power Incorporated.

Response IR-10:

Please refer to Liberal IR-8.

NON-CONFIDENTIAL

Request IR-11:

Please provide a full schedule of amortization and/or depreciation for each individual stranded asset as enumerated in IR – 8.

Response IR-11:

Please refer to Liberal IR-8.

NON-CONFIDENTIAL

Request IR-12:

Please provide the market sale value for each individual stranded asset as enumerated in IR – 8.

Response IR-12:

Please refer to Liberal IR-8.

NON-CONFIDENTIAL

Request IR-13:

Please provide the operational costs, e.g. maintenance, repair, staffing, vegetation management, etc. and liabilities for each individual stranded asset as enumerated in IR –8.

Response IR-13:

Please refer to Liberal IR-8.

Request IR-14:

Please explain from Nova Scotia Power Incorporated's evidence for this application, the statement from page 137 which reads: "[NSPI]…seeks amendments to the ratemaking framework of the OATT to provide an Embedded Cost Recovery mechanism that will protect the interests of other customers when Municipal Electric Utilities (MEUs) opt for third-party electricity supply."

a) Is NSPI anticipating a shift in policy for renewable energy producers to provide power to residential and business customers?

b) How will this cost recovery mechanism operate?

c) What activates this mechanism?

d) What anticipatory cost would this mechanism be to NSPI customers on a monthly basis? All rate classes inclusive.

e) How will this be reported?

Response IR-14:

(a) No.

(b) Please refer to Appendix L, Attachment 5, page 1 of 1 of the Application.

(c) This mechanism would be required when any or all of the six Municipal Electric Utilities choose to take competitive electricity supply from a third party supplier under the Open Access Transmission Tariff.

(d) If approved, there would be no costs to NS Power customers. Indeed, the purpose of the proposal is to ensure that departing customers make a contribution to system costs so that remaining customers are not required to pay more. Costs under this mechanism would be charged to Municipal Electric Utilities taking service under the Open Access

Transmission Tariff, thus protecting other classes from the burden of additional costs presently borne by the municipal utilities.

(e) Reporting requirements, if any, have not been determined.

Request IR-15:

Between the years 2000 and 2012, please provide the number of general rate applications, Fuel Adjustment Mechanisms applications and any other applications made by Nova Scotia Power Incorporated to the Utility and Review Board.

Response IR-15:

There have been six General Rate Applications between the years 2000 and 2012 (2002, 2005, 2006, 2007, 2009, and 2012).

There has been one FAM Base Cost of Fuel Application in 2010. Since the FAM was approved in the 2009 GRA, annual FAM Actual Adjustment/Balance Adjustment (AA/BA) Applications have been made in 2009 (AA), 2010 (AA/BA), and 2011(AA/BA).

As a regulated public utility, NS Power files applications for approval, as required by the Utility and Review Board, for any matter falling within the jurisdiction of the Board pursuant to the Public Utilities Act or any other statute.

In the last two years, NS Power has made numerous applications for approval to the UARB. The below list is not an exhaustive list:

- 2010
  - 2011 Demand Side Management (DSM) Plan Application, February 26, 2010;
  - Application for changes to Interruptible Rider Penalty Provisions, April 30, 2010;
  - Fuel Adjustment Mechanism (FAM) Base Cost of Fuel Application, August 16, 2010;
  - DSM Approval for Transition Plan to Efficiency Nova Scotia, August 30, 2010;
  - 2010 DSM Rider Adjustments Application, October 1, 2010;

- Application for Approval of Depreciation Rates, October 29, 2010;
- Application for Enhancements to Net Metering Service, Regulation 3.6, November 1, 2010;
- Application for Adjustments to Annually Adjusted Rates (AARs), November 5, 2010;
- FAM Actual Adjustment (AA) and Balance Adjustment (BA) Application, November 12, 2010;
- Application for Accounting Order respecting 2010 and 2011 Tax and Depreciation Accounting Effect of Renewable Projects, December 15, 2010;
- Accounting Policies and Procedures Manual (APP) revision Applications:
    - May 14, 2010;
    - September 13, 2010;
    - September 24, 2010;
    - November 25, 2010;
- Capital Applications:
    - 2011 Annual Capital Expenditure (ACE) Plan Application, December 23, 2010;
    - Unbudgeted & Unforeseen (U&U) Applications:
        - Power Plant Upgrade to Version 10
        - Turbine Fastener Replacement
        - Generator Protection Improvements
        - 1 H-862 Bus Replacement Water St
        - Port Hawkesbury Biomass Project
        - TRE6 - PA Damper Replacement
        - Point Tupper Wind Project
        - Digby Wind Project
        - Digby Wind Project Substation
        - Digby Wind Project Network Upgrades

- Digby Wind Project Interconnection
- Load Control Demo
- Turbine Governor Refurbishment
- LIN - CW Pump Refurbishment
- Removal of Frost Casing on Gulch Surge Tank
- Dickie Brook Unit #1
- Kempt Road Transformer
- TRE6 - Boiler Superheater/Reheater Repairs
- 104-T63 Transformer Refurbishment

- Authority to Overspend (ATO) Applications:
  - U&U Coon Pond Replacement;
  - TUC6 Waste Heat Recovery
  - 2009 Cutout Replacements
  - LlN1 - Boiler Refurbishment
  - U&U #3 Bus Duct Replacement (Generator)
- Individual Capital Items submitted for approval separate from ACE:
  - LIN1- ESP Gas Flow Modification
  - TRE5 - Condenser Upgrades
  - LIN - Unit #1 Rotor Rewind
  - TRE5 - Turbine Upgrades
  - LIN3-ESP
  - 25 kV Feeder Extension Bissett Road
  - Work Vehicle Replacement
  - Class 3 Light Work Vehicles
  - Transportation Vehicle Replacements
  - 2010 Recloser Additions
  - 2010 Off Road to Roadside
  - 2010 Distribution Cutout Replacements

- Right of Way Purchase - Northern Nova Scotia
- HYD Canton Lake Dam Refurbishment
- 1H WaterSt. Replace
- Canaan Rd 43V to Tremont
- 51V Tremont Circuit Breaker & Bus
- Canaan Rd Circuit Breaker Additions
- TUG- Unit#3 Generator Rotor Rewind
- LM 6000 - Overhaul Tufts Cove #5 Engine
- L7004 Deteriorated Replacements
- 2010 Substation Cutout and Insulator Replacements
- Upgrade L-8002
- L7011 Deteriorated Replacements
- TRE5 - Superheater, Reheater, and Boiler Upgrades
- 2010 Transmission Line Insulator Replacement
- 2010 Protection Upgrades
- FAC Land Registration Act
- Oracle NLA License 34843
- 2010 Transmission Switch & Breaker Upgrade
- 2010 PCB Equipment Removal/Destruction
- Big Falls Headgate Replacement
- 2010 Backup Control Centre
- PeopleSoft Upgrade
- OPSYM
- Halifax UG Cable Replacement
- Nictaux Electrical Refurbishment
- 2010 Distribution Feeder Ties
- RTU Replacement Program
- 25kV Bus Keltic Drive Substation

- POT - Marine Terminal Dust Mitigation

- 2011
  - 2012 General Rate Application, May 13, 2011;
  - Application for Adjustments to AARs, November 7, 2011;
  - FAM AA and BA Application, November 10, 2011;
  - Capital Applications:
    - 2012 ACE Application, November 2, 2011;
    - U&U Applications:
      - TRE5 LP Turbine Blade Repairs
      - POT - Stack Roof Replacement
      - LIN4 ESP Flow Modifications
      - 101H-T61 Transformer Refurbishment - Cobequid
      - 59C-T61 Transformer Refurbishment - St. Peters
      - 64V-T1 Transformer Refurbishment - Greenwood
      - Morris St/Water St Underground
      - NSPI Intranet
      - Ladder Upgrades
      - Hollow Bridge Canal Dyke
      - Wreck Cove Culvert Replace
      - 131H Lucasville Transformer Addition
      - CT LM#5 ENGINE REFURBISH
      - Big Falls #5 Overhaul
      - POT - Condenser refurbishment
      - POT HP Turbine spindle refurbishment
      - POT - Unit 2 backpass refurbishment
      - TUC2 CW Screens Refurbishment

- ATO Applications:
  - LIN1 - CW Large Bore Pipe Replacement
  - Carlton Lake Dam Refurbishment
- Individual Capital Items submitted separate from ACE:
  - Avon #2 Pipeline Replacement
  - STM Big Indian Lake Dam Safety
  - POT Unit#2 Generator Major Refurbishment
  - POT - Steam Turbine/Generator Major 2011
  - Work & Asset Management
  - 2011 Off Road to Roadside
  - TUC3 Replace Excitation & AVR System
  - TRE - Ash Site Phase 2 Development
  - LIN2 HT Fastener Replacement
  - 2011 Trans Substation Insulator & Cutout
  - Additional Water Street Transformer
  - POT - 4KV, 600V Motor Refurbishment
  - 39N Maccan Conversion
  - L-5501 69kV Circuit to Bridge Ave.
  - Boiler condition and data tracking software
  - Reliability Keltic Drive New Feeder
  - Gold River Phase 1
  - MS Sharepoint Platform Upgrade
  - Canaan Rd to Highbury Trans Line
  - Highbury Road Substation
  - Canaan Road Line Terminal
  - Spare 30 MVA 69KV 25/12KV Transformer
  - 99V Highbury Rd New Feeders
  - St. Margaret's Bay - Sandy Lake Dam Refurbishment

- St. Margaret's Bay - Tidewater Pipeline Replacement

- 2012 to date:
  - Application to Amend Accounting Policy and Procedures Manual – Accounting Policy, 5900; January 4, 2012;
  - Application to Amend Accounting Policy and Procedures Manual, January 18, 2012;
  - Application to Amend Accounting Policy and Procedures Manual – Accounting Policy 1540, March 6, 2012;
  - Application for Load Retention Rate for Pacific West Commercial Corporation, April 27, 2012;
  - 2013/2014 General Rate Application, May 8, 2012;
  - Capital Applications:
    - U&U Applications:
      - LIN Coal Pile Reclaim Markers
      - Harbour East Land Purchase and Right of Way
    - ATO Applications:
      - LIN Supplemental Water Supply
      - POT - DCS Upgrade
      - TRE5 - Turbine Upgrades - LP/IP/HP
      - Generation Hydro Routine (2011)
      - General Property Routines (2011)
      - Transmission Routines (2011)
    - Individual Capital items submitted separate from ACE:
      - TRE - Ash Site Development (Phase 2)
      - TUC - Unit#3 Generator Excitation 7 AVR System Replacement
      - Highbury Road Substation
      - Canaan Road Line Terminal

- Install Canaan Road to Prospect Road Transmission Line
- Additional Water Street Transformer & Low Side 25kV Breakers
- Spare 30MVA 69KV 25/12KV Transformer
- 131H Lucasville Transformer Addition
- MS Sharepoint Platform Upgrade
- NSPI Intranet
- 99V Highbury Rd New Feeders
- St. Margaret's Bay - Tidewater Pipeline Replacement
- St. Margaret's Bay - Sandy Lake Dam Refurbishment
- Main Computer Centre
- Brier Island Crossing
- Spare Wind Farm Gen. Transformer
- POT Refurbish boiler bottom ash sealer
- POT - Selective Superheater Replacement
- Sheet Harbour - Ten Mile Lake Dam Decommissioning

REDACTED

Request IR-16:

Please provide the annual monetary investment from Nova Scotia Power Incorporated to transmission, operational and maintenance between 2000 and 2012.

Response IR-16:

NS Power does not report transmission operational and maintenance expenses separate from distribution. Please see the figure below of total operating costs for Customer Operations between 2003 and 2012 which includes transmission and distribution expenses. Also presented in the figure below are the total costs for capital investment in transmission between 2003 and 2012.

Year	Customer Operations Operating Costs (in $M)	Capital Investment Transmission (in $M)
2000	not available	11.1
2001	not available	11.1
2002	not available	4.2
2003	72.1	5.9
2004	67.7	7.0
2005	51.3	7.2
2006	46.8	9.2
2007	66.8	19.4
2008	57.1	18.0
2009	62.5	22.7
2010	72.5	45.1
2011	69.1	62.5
[redacted]	[redacted]	[redacted]

REDACTED

Note: The data for Customer Operations for 2000 to 2002 is not available in NS Power's financial system due to cost centre reorganizations. The data for Customer Operation for 2003 to 2006 does not include pension costs for the employees in that business area. Beginning in 2007, pension costs were allocated to the business areas.

CONFIDENTIAL (Attachment Only)

Request IR-17:

Please provide a comprehensive list of all capital expenditures by item between 2000 and 2012.

Response IR-17:

Please refer to Partially Confidential Attachment 1 for a list of spending by function for each year requested. Spend by project is only available from 2001 forward. Please refer to Attachment 2 for a list of all projects with more than $1 million of spend between 2001 and 2012 year to date.

Capital Spending by Function ($M)													
	2000	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012 YTD**
Generation	57.8	40.3	63.5	52.4	65.7	51.4	43.2	47.2	78.5	165.0	385.0	151.6	
Transmission	11.1	11.1	4.2	5.9	7.0	7.2	9.2	19.4	18.0	22.7	45.1	62.5	
Distribution	36.5	44.4	23.1	33.6	30.7	31.2	36.5	44.5	47.6	52.3	59.6	58.4	
General Property	17.9	16.1	8.5	10.2	13.9	11.2	20.5	14.5	23.2	39.6	58.1	42.5	
Total Capital Spending	123.3	111.9	99.3	102.1	117.3	100.9	109.4	125.6	167.3	279.6	547.8	315.0	

Capital Spend >$1M 2001 - 2012 May YTD		
Project #	**Project**	**Spend ($)**
D002	D002-CUST.PRIMARY SERVICE	12,858,156
D003	D003 ADD.NEW CUST.ROUTINE	19,656,394
D004	D004 NEW CUSTOMER REPLACEMENTS.ROUTINE	43,795,082
D005	D005 REPLACE DETERIORATED PLANT ROUTINE	74,693,116
D006	D006 REGULATORY REPLACEMENTS	7,113,923
D007	D007 CONTRACTUAL REPLACEMENTS ROUTINE	10,060,192
D008	D008-STORM COSTS ROUTINE	34,581,636
D009	D009 METERS ROUTINE	20,277,487
D010	D010-ROW WIDENING ROUTINE	6,414,817
D016	D016-SERVICES UNMETERED-ROUTINE	7,215,549
D017	D017-METERED SERVICE DROPS-ROUTINE	58,455,189
D021	D021-PRIMARY LINE EXTENSIONS-ROUTINE	19,434,134
D022	D022-UNDERGROUND SERVICE-ROUTINE	2,000,081
D051	System Performance Improvement Rout	1,110,109
D055	D055-Identified Deteriorated Plant	32,386,650
D061	New Customers - Residential	20,645,755
D062	New Customers - Commercial	10,048,568
D118	D118-Cowie Hill Modified Underground Replacement	1,377,049
D172	East St. Light and Service Install	1,192,148
D173	Metro St Light & Service Work	1,993,773
D223	Reliability Replacements - Central	1,028,182
D249	2009 Recloser Additions	1,562,370
D250	2009 Cutout Replacements	1,639,836
D317	50N-412 Targeted Replacements	1,251,833
D318	11S-411 Targeted Replacements	1,012,042
D339	2011 Dist. Cutout Replacements	3,210,580
D356	2011 Off Road to Roadside	2,628,173
D359	25 kV Feeder Extension Bissett Road	1,285,635
D360	2010 Recloser Additions	1,644,623
D361	2010 Dist. Cutout Replacements	1,962,996
D362	2010 Off Road to Roadside	1,120,828
D395	2012 Distribution Cutout Replacemen	1,339,432
D426	Reliability Keltic Drive New Feeder	2,193,965
D701	D701-GUYSBOROUGH AREA RELIABILITY IMPROVEMENTS	2,106,288
D719	D719-50W-411 REMOVE LINE FROM WOODS	1,010,909
G001	G001-GAS TURBINE-EQUIPMENT REPLACEMENT	1,555,154
G107	G107-COMBUSTION TURBINE-NATURAL GAS-PRE.ENG.	1,150,886
G121	G121-LM6000 Combustion Turbine Project	42,346,801
G132	G132-TUC Unit 5 LM6000 Combustion Turbine Addition	31,316,414
G134	G134-CT Replace Burnside G1 Generator Stator	1,139,209
G147	CT U&U LM#4 Engine Refurbish	4,317,434
G154	CT U&U LM#5 ENGINE REFURB	3,806,903
H001	H001-HYDRO EQUIPMENT REPLACE	4,268,411
H339	H339-BLACK RIVER-FISH PASSAGE	1,332,732
H392	H392-STM Mill Lake Dam Refurbishment	1,039,033
H459	H459-Avon - MacDonald Dam Safety Spillway Modifications	2,971,812

Capital Spend >$1M 2001 - 2012 May YTD		
Project #	**Project**	**Spend ($)**
H466	H466-Tusket Main Dam Refurbishment U&U	1,342,456
H494	H494-Harmony Dam Safety Remedial Works	2,569,827
H500	H500-Annapolis Unit Overhaul	2,695,919
H517	H517-BLR Gaspereau Dam Safety Remedial Works	3,742,801
H521	HYD DEB # 10 - Generator Rewind	1,119,504
H530	HYD Hollow Bridge Generator Rewind	1,492,475
H533	SHH- DIB PIPELINE REPLACEMENT	3,820,694
H534	GREAT BARREN DAM SAFETY	2,301,559
H547	HYD Renewable In-Stream Tidal Gen	3,540,504
H555	U&U Coon Pond Pipeline Replacement	1,600,479
H571	HYD Toms Lake Dam Safety Remedial W	2,008,811
H572	HYD Ridge Spillway Refurbishment	1,569,003
H574	HYD Paradise Wood Stave Pipeline R	9,386,935
H597	HYD Carlton Lake Dam Refurbishment	6,321,272
H609	HYD Big Falls Headgate Replacement	5,941,685
H619	HYD - AVO #2 PIPELINE REPLACE	3,823,555
H621	HYD - STM Big Indian Lake Dam Safet	3,115,696
P001	P001-DIST. PROPERTY IMPR.	11,928,643
P002	P002-TOOLS/EQUIPMENT	8,668,234
P006	P006-REPLACE & ADDITIONAL WORK ORDERS ROUTINE	1,946,105
P012	P012-SECURITY IMPROVEMENTS ROUTINE	1,269,449
P016	P016-ALL PLANTS TOOLS INSTR. & EQUIP.1994	2,563,764
P020	P020-COMPUTING ASSET MANAGEMENT 1995	14,788,617
P022	P022-SMALL COMPUTER HARDWARE/SOFTWARE	2,363,707
P027	P027-TELECOM PROPERTY (BLDG/SITE) ROUTINE	1,391,529
P028	P028-TELECOM.SYSTEMS REPLACE & MODS.	3,892,671
P031	NSPI IT INFRASTRUCTURE	1,550,469
P040	P040 Replace DCMS Equipment Routine	1,148,746
P061	Transportation Vehicle Replacements	2,089,760
P062	Work Vehicle Replacements	3,633,350
P547	P547-VEGETATION MANAGEMENT PROGRAM	1,573,835
P579	P579-Transportation Vehicles	1,027,966
P600	P600-Infrastructure Consolidation and Upgrade	3,310,900
P636	P636-Fuels Management System	1,303,705
P670	P670-Purchase of Transportation Vehicles	2,041,052
P671	P671-Purchase of Work Vehicles	2,005,091
P672	P672-Purchase of Work Vehicles	1,308,014
P673	P673-Email & Calendaring	1,036,899
P674	P674-Desktop Consolidation	3,012,821
P682	P682-2004 Transportation Vehicle Order	1,938,483
P684	P684-2004 Work Vehicle Requirements	2,348,696
P690	P690-POT - Port & Railway Land	4,500,000
P695	P695-Victoria Junction - Rail Maintenance Center	1,353,728
P697	P697-2005 Work Vehicles Requirements	3,622,963
P698	P698-2005 Transportation Vehicles	1,156,972
P708	P708-2006 Transporation Vehicles	1,166,954

Capital Spend >$1M 2001 - 2012 May YTD		
Project #	**Project**	**Spend ($)**
P709	P709-2006 Work Vehicle Replacement	3,122,713
P716	P716-Outage Management System Uprade (OMS)	1,386,876
P735	P735-Asset Management/Project Costing	1,161,565
P740	P740-3RD Party High Volume Call Answer System	1,336,626
P741	P741-2007 & 2008 Work Vehicle Replacement	6,865,798
P742	P742-2007 & 2008 Transportation Vehicle Replacement	2,957,002
P744	P744-Replace DNR Microwave Circuits	2,205,252
P757	SCADA Replacement	2,170,483
P772	FAC Space 2011	59,559,631
P773	Work Management System Replacement	16,531,877
P784	PE Biomass Study	1,885,723
P789	Connectivity Upgrade	3,159,009
P810	2009 Transportation Vehicle Replace	1,153,747
P833	Right of Way Purchase Northern NS	2,384,940
P834	U&U Load Control Demo	1,578,891
P858	Transportation Vehicle Replacements	1,448,480
P863	2010 Backup Control Centre	2,851,840
P872	Work Vehicle Replacement	6,061,710
P880	Work & Asset Management	2,858,361
S001	S001-THERMAL EQUIPMENT REPLACEMENT	18,682,158
S004	S004-Roofing Routine	5,222,844
S005	Heat Rate Routine	1,178,711
S102	S102-LIN P/E Replace #5 HP Heater	2,088,744
S124	S124-Tufts Cove Unit 1 Turbine Asset Management	1,972,584
S158	S158-GLACE BAY DEFERRAL OF FINANCE & OPERATING COSTS	8,742,553
S160	S160-LIN Unit 2 low Nox Combustion Firing System	3,751,102
S161	S161-LIN Unit 4 Low Nox Combustion Firing System	4,181,455
S168	S168-POA DCMS Replacement Project Phase 3	2,591,326
S231	S231-LIN Replace Rotary Dumper	4,959,509
S250	S250-TUC Replace Three Rows of Blades on Unit #3	2,439,317
S251	S251-LIN Supplemental Water Supply	3,364,603
S255	S255-TRE5 Baghouse Addition	28,928,605
S256	S256-Replace Trenton 5 Generator	15,834,753
S264	S264-POT Unit #2 Low Nox Combustion Firing System	3,563,196
S265	S265-TRE Unit #6 Low Nox Combustion Firing System	4,106,622
S266	S266-LIN Unit #1 Low Nox Combustion Firing System	3,875,373
S276	S276 TUFTS - # 1 COMM'G ON OIL	6,911,161
S280	S280-TUFTS COVE GAS ADDITION 800 ACCOUNTS	3,284,599
S317	POA CELL 3 STAGE 3 RESIDUE MANAGEME	2,601,908
S353	TUC 6 Waste Heat Recovery	92,900,001
S365	Pt. Tupper Relocate Port Malcolm Rd	1,632,188
S423	S423-GLACE BAY GENERATING STATION SITE STABILIZATION	6,296,929
S426	LIN Unit #1 Mercury Abatement	2,046,285
S427	LIN Unit #2 Mercury Abatement	1,974,444
S428	LIN Unit #3 Mercury Abatement	4,831,203
S429	LIN Unit #4 Mercury Abatement	1,978,873

Capital Spend >$1M 2001 - 2012 May YTD		
Project #	**Project**	**Spend ($)**
S430	POT Mercury Abatement Project	2,838,031
S431	TRE Unit#5 Mercury Abatement	1,874,711
S432	TRE Unit #6 Mercury Abatement	2,134,966
S440	S440-TRENTON-NO 3/4 ASBESTOS REMOVAL	1,050,158
S467	S467-LINGAN-STRUCTURAL UPGRADE OF COAL GALLERY	1,143,128
S481	S481-TRE MAXIMUM VISION 2001 UNIT 6	1,003,718
S495	TUC U&U #3 Bus Duct Replacement	2,786,262
S505	TUC #2 U&U Generator Refurbishment	1,608,410
S516	S516-PT ACONI BOILER REVITALIZATION	25,615,006
S554	S554-TC Oil Tank #4 Refurbishment	1,300,701
S595	LIN1 - Boiler Refurbishment	1,651,742
S615	TUC U&U #1 GEN ROTOR RESTORE	3,629,160
S620	TRE5 - Condenser Upgrades	2,748,907
S629	TRE5 - Turbine Upgrades - LP/IP/HP	5,924,256
S636	S636-Tufts Cove Unit 3 Generator Improvements	1,254,782
S648	LIN1 - CW Large Bore Pipe Replaceme	1,155,168
S651	LIN-U&U Unit#2 ESP Flow Modif	1,691,228
S652	LIN - Unit #1 Rotor Rewind	3,461,092
S657	TUC #3 GENERATOR ROTOR REWIND	1,445,910
S659	S659-Tufts Cove Site Environmental Improvements	2,259,555
S660	S660-LIN, Installation of a Wastewater Treatment Facility	5,420,997
S661	PH Biomass Project	177,254,324
S685	S685-POT IP Turbine Blade Replacement	1,106,103
S702	S702-Tufts Cove No.3 LP & IPLP Improvements	1,489,680
S704	S704-POA Cell 3 Residue Management Site - Stage 1	2,450,202
S714	S714-TRE Unit 6 Mill Upgrade Dual Wave Liners	1,096,588
S732	S732-Lingan Coal Storage Addition	2,347,597
S753	LIN4 U&U ESP Flow Mod	1,466,173
S787	S787-Tufts Cove Unit No.1 Electrostatic Precipitator	9,244,893
S788	S788-Tufts Cove Unit No.3 Electrostatic Precipitator	11,430,258
S791	S791-TC No.3 Turbine 2003-Parts, Disc, and LP Blades	1,779,033
S792	POT Unit 2 Generator Major Refurbis	3,003,722
S794	POA - L-0 LP Turbine Blade Repl.	4,164,956
S798	S798-TUC No. Turbine - 2004 Asset Management	1,101,012
S820	POA Cell 4 Stage 1 Residue Mangemen	7,312,499
S851	POT - DCS upgrade	1,349,493
S862	POT - Turbine Major 2011	5,181,601
S866	S866-Lingan 2004-05 Ash Site Capping Program	3,940,133
S868	TUC - Unit 3 Turbine HP Impulse Bla	1,070,596
S891	S891-TRE6 Secondary Superheater Inlet Replacement	1,719,645
S903	PH Biomass Project APA Extra Costs	1,318,535
S904	PH Biomass MOMA	1,083,942
S921	S921-POA Cell 3 Stage 2 Residue Management Site	1,737,017
S927	S927-POA 2006 Refractory Program	1,077,264
S930	S930-LIN Unit 3 Low Nox Combustion Firing System	3,813,164
S934	S934-POT Generator Upgrades	2,609,740

Capital Spend >$1M 2001 - 2012 May YTD		
Project #	**Project**	**Spend ($)**
S935	S935-POT Replace HP Inner Cylinder ESV's	1,333,755
S981	S981-LIN Refurbish CW Inlet Cofferdam Structure	1,094,446
S982	S982-TUC Replace Two Rows of Blading on Unit #2 Turbine	1,456,242
SA09	TRE5 (PE) IP Turbine Repairs	1,687,622
SA11	TRE - Ash Site Phase 2 Development	2,144,755
Serv	Service Delivery Projects	5,046,526
T001	T001-TRANSMISSION LINE REPLACEMENTS	11,121,476
T003	T003-TRANSMISSION SUBSTATION REPLACEMENTS	16,913,824
T004	T004-TRANSMISSION SUBSTATION ADDITIONS/MODIFICATIONS	4,026,791
T011	T011-Provincial Planned Trans Line Replacements	16,845,920
T016	T016-PROTECTION MOD.& REPL.1994	3,223,424
T018	T018-PRIMARY EQUIP.SPARES-ROUTINES	1,255,589
T393	T393-ACQUISTION OF CN EASEMENT	1,504,494
T417	T417-RELIABILITY IMPROVEMENTS,HFX 69KV SYSTEM	1,370,642
T505	T505-Install a New 138-25KV Transformer at Onslow in 2005	1,346,586
T560	T560-91H GT3 Transformer Refurbishment Tufts Cove	2,521,980
T564	T564-Construct 137H-Hammonds Plains Rd. 138/25kV Substation	4,003,880
T565	T565-L7011 Pt. Hastings 3C to Lingan 88S	2,420,843
T566	T566-L6002 Reinsulate - Part of T011	1,073,543
T574	ST CROIX INSTALL NEW TRANSFORMER &	4,070,458
T586	L6503 RE-INSULATE	1,932,152
T588	REPLACE BRIDGEWATER TRANSFORMER 89W	1,773,084
T592	82V Elmsdale Transformer Addition	2,920,567
T595	UPGRADE L6537	2,234,560
T596	Install 138-25KV Transformer At 22C	1,637,805
T602	Construct 139H Dartmouth Crossing S	4,681,154
T614	2009 Upgrade L7011	1,373,134
T617	Upgrade L-8002	1,188,673
T623	Nuttby Mountain Wind Project Substa	2,939,879
T647	Kempt Road Transformer	1,052,265
T648	PH Biomass Tx Interconnection	1,200,781
T649	1H-B62 Bus Replacement Water St U&U	1,052,046
T650	1H Water St Replace 138 kV GIS	8,607,010
T654	Substation Recloser Replacement	4,225,596
T662	2011 Protection Upgrades TUC	2,548,089
T668	2011 Tx Line Insulator Replacement	3,986,587
T669	Canaan Rd Circuit Breaker Additions	2,129,612
T670	Upgrade L-8002	2,417,152
T671	L6002 Deteriorated Replacements	1,065,206
T674	Canaan Rd 43V to Tremont 51V Line	7,282,367
T675	51V Tremont Circuit Breaker & Bus	7,454,026
T676	2011 Trans Switch & Breaker Upgrade	3,796,898
T681	L7011 Deteriorated Replacements	1,756,236
T684	2010 PCB Equip. Removal/Destruction	1,638,107
T685	L7004 Deteriorated Replacements	2,449,207
T689	L7012 Upgrades	1,074,294

Capital Spend >$1M 2001 - 2012 May YTD		
Project #	**Project**	**Spend ($)**
T690	2011 PCB Equipment Removals	1,833,333
T691	Parrsboro Tidal Interconnection	1,508,784
T692	Digby Wind Project Substation	4,319,506
T693	Digby Wind Project Trans Line	4,175,881
T694	Digby Wind Project Interconnect	3,895,162
T695	Glen Dhu 138 kV Substation	3,406,924
T700	2010 Trans Switch & Breaker Upgrade	2,059,890
T701	2010 Tx Line Insulator Replacement	1,500,525
T705	131H Lucasville Transformer Additio	1,063,587
T707	2012 Subst. Recloser Replacement	1,109,793
W100	Grand Etang Wind Project	2,910,168
W107	Nuttby Mountain Wind Project Dev	110,985,837
W109	P/E Loganville Wind Project	1,743,953
W112	Point Tupper Wind Project	25,727,079
W115	Digby Wind Project	64,393,468

NON-CONFIDENTIAL

Request IR-18:

Please provide a geographical map of all capital expenditures by item between 2000 and 2012.

Response IR-18:

NS Power does not track capital expenditures by geographical location.

NON-CONFIDENTIAL

Request IR-19:

Please provide expenditures, per fiscal year, 2000-01 to 2011-12 inclusive:

Staffing

- **Salaries and wages**
- **Bonuses**
- **Vacation, sick time**
- **Training costs**
- **Overtime costs**
- **Consultant fees, casual labour**
- **Executive compensation formulae**
- **Levels of reimbursement on expenses, by employment category**
- **Staffing levels, total personnel, by employment category**

Operations

- **Vehicles, gas, insurance, maintenance, replacement**
- **All costs associated with buildings including, but not limited, to rent/lease agreements, power, maintenance, construction and modifications, security, etc.**
- **Office furniture and equipment**
- **Complete expenditures on existing infrastructure, itemized and containing the following: a) item b) geographical location c) staffing complement and associated cost per item d) regular lifecycle maintenance cost e) replacement cost f) present market value**
- **All expenditures, liabilities, and payments associated with sub-contracting of activities and projects, complete with alternative bids for each successful activity**

Other

- **Community Grants and sponsorships (e.g. Good Neighbour Fund, The Oval)**
- **Total expenditures on Stakeholder relations, government relations**
- **Expenditures on Stakeholder relations, government relations - itemized by event**

Response IR-19:

Please refer to Appendix E of the Application for 2012 Forecast operating expenditures details. The information is presented in the format it is tracked in the financial system.

- Staffing

  Please refer to Attachment 1 for details on salaries and wages, incentives, overtime, term labour, consulting costs and training and development costs. Vacation and sick time is not tracked separately in our financial system. Levels of reimbursement on expenses by employment category and staffing levels and total personnel by employment category are not available as NS Power does not track data in this format in their financial system.

  Please refer to NSUARB IR-4 Attachment 1, Management Information Circular, for details of executive compensation. Executive compensation is not based upon a formula.

- Operations

  NS Power does not track operations expenditures in the format requested. Please refer to Attachment 1 for available information.

  Costs related to vehicles, gas, insurance, maintenance, and replacement are not tracked by individual area of the business in the financial system. Insurance costs reflect total

insurance costs to NS Power which include vehicle insurance. NS Power is unable to provide details on office furniture and equipment as the costs are pooled with property improvements.

- Other

Donations and sponsorships are paid by shareholders of NS Power and are not a regulated expenditure.

NS Power does not record expenditures itemized by individual event and is unable to provide this data for stakeholder and government relations. Please refer to Attachment 1 for total expenditures on stakeholder and government relations.

Year	Regular Labour ($M)	Employee Incentive ($M)	Overtime Labour ($M)	Term Labour ($M)	Consulting ($M)	Training and Development ($M)	Insurance ($M)	Materials Facilities ($M)	Materials All ($M)	Contracts Facilities ($M)	Contracts All ($M)	Energy Use ($M)	Rent ($M)	Communications and Public Affairs ($M)
2011	113.8	2.7	17.1	7.8	10.1	1.2	4.1	0.1	12.1	2.3	48.7	0.3	3.9	1.8
2010	106.0	2.6	18.6	7.8	14.9	0.9	4.3	0.0	11.0	1.7	48.8	0.5	4.3	2.2
2009	98.6	3.1	13.8	7.3	8.3	1.1	3.7	0.1	12.7	1.5	46.3	0.5	4.3	2.3
2008	94.6	2.4	14.8	6.4	7.2	0.6	3.6	0.1	11.4	1.5	37.9	0.5	4.1	2.2
2007	89.5	2.4	14.2	6.8	5.0	0.5	3.8	0.1	11.5	1.4	36.0	0.5	4.1	0.8
2006	90.9	2.7	10.1	7.6	4.8	0.5	3.9	0.1	12.1	1.2	34.0	0.4	4.1	1.0
2005	88.6	1.1	10.4	7.2	5.0	0.5	3.7	0.1	11.2	1.2	31.1	0.4	4.1	1.2
2004	89.7	1.5	9.1	5.8	3.8	0.7	4.0	0.1	9.7	1.5	27.0	0.3	3.8	1.1
2003	89.3	4.0	10.8	8.2	3.9	0.7	3.1	0.1	12.2	1.0	26.8	0.5	4.5	0.7
2002	87.8	1.9	8.8	9.1	4.7	0.8	2.3	0.1	11.2	0.6	25.3	0.3	4.8	0.9
2001	87.4	1.9	8.5	9.9	6.8	1.2	1.5	0.0	12.2	0.1	22.4	na	5.0	0.3
2000	80.1	1.5	8.7	8.3	5.4	1.2	0.7	0.1	12.1	0.2	17.5	na	4.5	0.4