

Newfoundland Power

2008 Submission

Sustainable Electricity Program (SEP)

CEA – Sustainable Electricity program 2008 Utility Data and Initiatives Template

Final

General Utility Data

Please provide a brief description of your utility including its corporate structure, business services provided, Canadian subsidiary companies or operations, the location of facilities, operations and service area(s), and the type and number of residential customers if applicable.

An Introduction to Newfoundland Power

Newfoundland Power and its predecessor companies have been engaged in the production and sale of electricity since 1885. Newfoundland Power, a regulated investor-owned electric utility serves approximately 236,000 customers throughout the island portion of the province of Newfoundland and Labrador.

The Company purchases about 92 per cent of its electricity from the Crown Corporation Newfoundland and Labrador Hydro, and generates the balance from its own smaller hydroelectric stations. The enclosed map (Map A) and table (Table A) identifies the location of these generating facilities and installed capacity.

Newfoundland Power services approximately 85 per cent of the electricity consumers in the province with Newfoundland and Labrador Hydro servicing the remainder. The enclosed map (Map B) depicts the geographic areas serviced by the respective utilities. Sales to residential customers represent approximately 60 per cent of the Company's operating revenue.

Newfoundland Power...

- Operates 23 hydro generating plants, three diesel plants and three gas turbine facilities.
- Operates 130 substations.
- Maintains approximately 11,000 km of transmission and distribution lines.

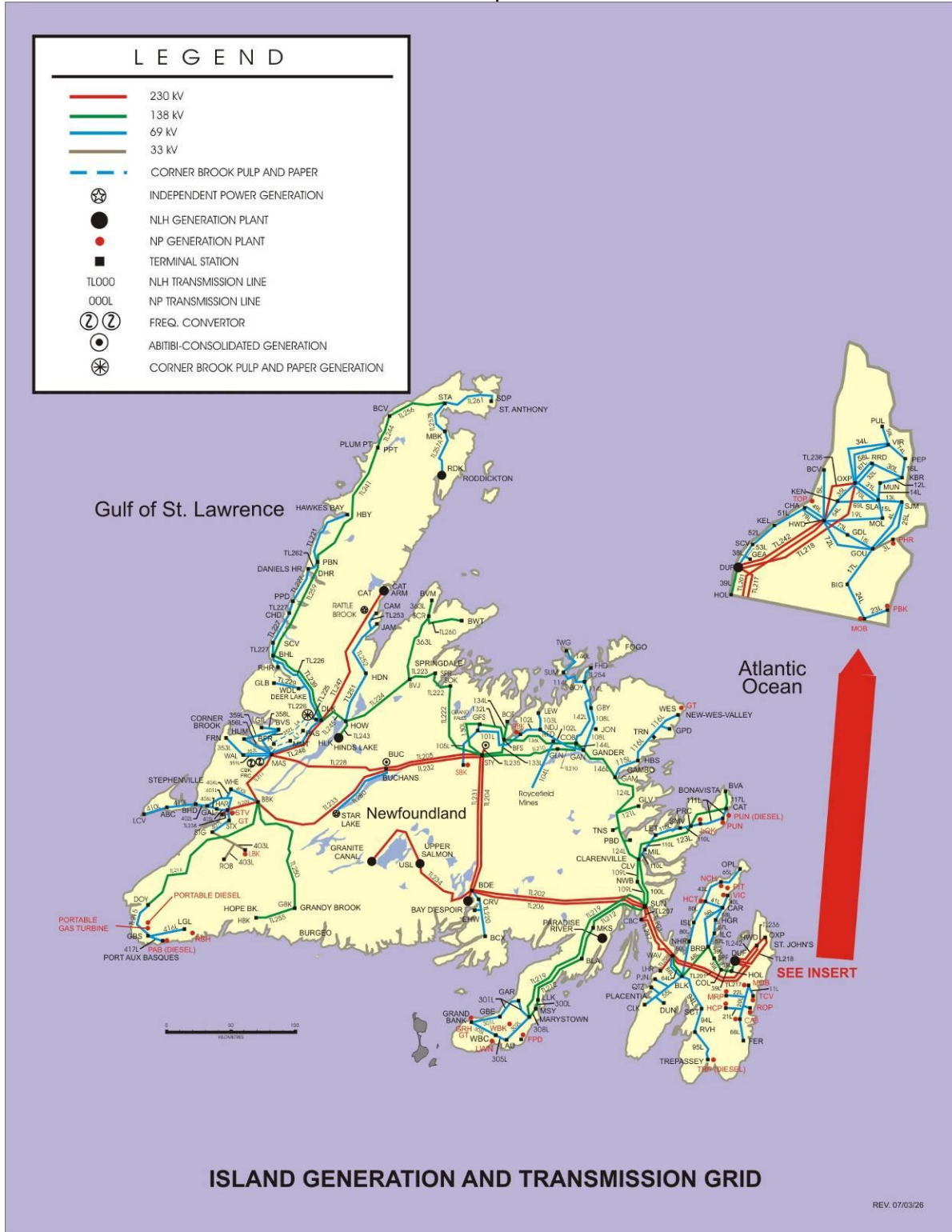
Newfoundland Power operates under jurisdiction of the Newfoundland and Labrador Board of Commissioners of Public Utilities which has regulatory authority over rates, policies, capital expenditures and the issue of securities.

All the common shares of Newfoundland Power are owned by Fortis Inc. (TSX:FTS), the largest investor-owned distribution utility in Canada, which serves more than 2,000,000 gas and electric customers, and has assets exceeding \$10.5 billion.

CEA – Sustainable Electricity program 2008 Utility Data and Initiatives Template

Final

Map "A"



CEA – Sustainable Electricity program 2008 Utility Data and Initiatives Template

Final

Map "B"



CEA – Sustainable Electricity program 2008 Utility Data and Initiatives Template

Final

Table A: Generating Facilities Included in 2008 Reporting

Name of Facility	Capacity Available (MW)
<u>Fossil</u>	
Greenhill Gas Turbine	20.00
Wesleyville Gas Turbine	10.00
Portable Gas Turbine	6.50
Port Union (Diesel)	0.50
Port Aux Basques (Diesel)	2.50
Portable Diesel	2.50
Leased Unit (Diesel)	1.50
Total (Fossil)	43.50

Note:

- Fossil fuel units are used for peaking and emergency standby only.
- Fuel used for generation is #2 Diesel.

<u>Hydroelectric</u>	
Petty Harbour	5.25
Pierres Brook	4.10
Tors Cove	6.50
Rocky Pond	3.25
Mobile	10.50
Cape Broyle	6.28
Horsechops	8.13
Topsail	2.60
Seal Cove	3.58
Hearts Content	2.37
Victoria	0.55
New Chelsea	3.70
Pitmans	0.63
Morris	1.13
West Brook	0.68
Fall Pond	0.35
Lawn	0.60
Rattling Brook	14.80
Sandy Brook	6.31
Lockston	3.00
Port Union	0.51
Lookout Brook	5.80
Rose Blanche	6.00
Total (Hydroelectric)	96.62

TOTAL GENERATION

140.12

CEA – Sustainable Electricity program 2008 Utility Data and Initiatives Template

Final

E8 Commitment to Biodiversity

Provide one or more examples of biodiversity / stewardship / conservation programs or projects initiated in 2008 or tangible results in 2008 from existing programs.



Newfoundland Power, who works closely with the provincial Wildlife Division, has heightened awareness of issues that affect wildlife and their habitat. This is demonstrated in a number of ways, one of which is our treatment of osprey that occasionally construct nests in our poles. Utility poles are a favorite nesting place for osprey as they nest in high structures near good fishing grounds.

In the fall of 2008, an investigation into a transmission line outage located several osprey nested in our structures such as the one in the picture above left. The investigation concluded that the birds and nests were responsible for the outage.

The Company wishes to ensure that the osprey remains in their home and that reliable service is provided to our customers. To accomplish this, arrangements were made when the nesting season was over to have three osprey nests rebuilt in a safe location (top right) on the structure, in the hope that the osprey would find these new platforms to be suitable homes.

It is our expectation that once the nesting seasons commences in 2009 the osprey will find the relocated nests to be suitable homes. This is just another example of wildlife living in harmony with the distribution of electricity.

CEA – Sustainable Electricity program 2008 Utility Data and Initiatives Template

Final

E12 Adaptation to Climate Change

Provide an example of your utility's plans or planning to adapt to the impact of climate change.

As a result of a Potential Energy Production Increase Study that was undertaken and completed in 2008, six hydroelectric plants have been identified for upgrades over the next five years. These upgrades will result in an increase of energy production by approximately 8.5 GWh. One of the projects that will be undertaken will be the upgrade of the spillway at Sandy Lake (pictured right). By increasing hydroelectric generation at existing plants, the requirements for fossil fuel generation will be reduced thus resulting in fewer emissions into the environment.



In addition to recommendations from the Potential Energy Production Increase Study, another initiative is the Sulphur Hexafluoride (SF₆) Management Program which will see SF₆ releases controlled through best management practices and the replacement of twelve SF₆ breakers over the next three years. SF₆ is a persistent greenhouse gas with a global warming potential estimated to be 23,900 carbon dioxide equivalent.

Several programs offered by Newfoundland Power help customers reduce their impact on the environment by providing them with energy efficiency information. In November 2008 the Company, along with Newfoundland and Labrador Hydro, launched a new joint energy conservation brand **takeCHARGE** which offers customers programs to help save energy, money and the environment. Newfoundland Power provided customers energy efficiency information directly in their home via bill inserts; an interactive website; radio and television ads; and booths at community events and trades shows.

CEA – Sustainable Electricity program 2008 Utility Data and Initiatives Template

Final

S4 Workplace Diversity

Does your company have a commitment to workplace diversity? Provide details or an example.

Newfoundland Power is committed to workplace diversity and has demonstrated this commitment through participation in several programs. For example, Women in Trades and Technology have approached the Company on a number of occasions to provide work placements for females interested in entering the trades and technology field. We have provided these placements to help them achieve a better understanding of this field of study which helps to improve the representation of women in traditional male roles.

In addition, Newfoundland Power works with the Association for New Canadians to provide work placements for immigrants who have newly acquired Canadian citizenship and through our engineering co-op placements we are also mindful of opportunities to hire international students.



Trina Cormier, Project Engineer for the Rattling Brook Hydro Plant Refurbishment Project. Trina is shown here at the top of the surge tank on the project site.

CEA – Sustainable Electricity program 2008 Utility Data and Initiatives Template

Final

Communications and Engagement

S6-1 Provide details of public education programs.

Employee and public safety is Newfoundland Power's top priority. We will not compromise community safety and are continuously engaged in the development and implementation of public safety education and awareness programs that include:

- **Public Safety Education Awareness.** Through the use of television, newspaper and radio advertising as well as signage and direct mail initiatives, Newfoundland Power delivers public safety and awareness messages on the hazards of electrical equipment with particular emphasis on the following:
 - Snowmobiling near power lines and guy wires
 - High snow banks
 - Dangerous ice on reservoirs
 - Climbing poles and towers
 - Entering substation yards
 - Flying kites near power lines
 - Using ladders near service drops and wires
 - Trees growing into power lines
 - Swimming in hydroelectric plant reservoirs
 - Cutting trees near power lines
 - Christmas lighting safety
 - Vandalism

- **Public Energy Saving Tool Kit.** In 2008 Newfoundland Power launched a new energy efficiency partnership with Newfoundland and Labrador Hydro called – takeCHARGE - Saving Energy Starts Here! This website offers tips, programs and rebates to help customers save energy, money and the environment.



CEA – Sustainable Electricity program 2008 Utility Data and Initiatives Template

Final

- **Contractor Safety.** Newfoundland Power is committed to the prevention of workplace illness and injuries while providing electricity service in an environmentally responsible manner. The same commitment is expected from all contractors while engaged in official business or involved with other activities that promote the objective and interest of the Company. In 2008 Newfoundland Power launched a new website specifically for our contractors – <https://workingwith.newfoundlandpower.com>. This website provides contractors with access to our policies, practices and training requirements.



- **Power Line Hazards Training.** Newfoundland Power works in close partnership with the Workplace Health Safety & Compensation Commission (WHSCC) of Newfoundland and Labrador to educate boom and crane operators on the hazards associated with operating equipment near power lines.



- **Firefighters Electrical Safety Seminars**
Our fire training seminars educate firefighters about the importance of electrical safety. For nearly 25 years, we have provided firefighters with training in:
 - safely controlling electrical fires;
 - who to contact in case of an electrical fire; and,
 - identifying and avoiding electrical fire hazards.



- **Community Safety Program**
Children, parents and educators can visit our **KidZone** website to learn about electrical safety. **KidZone** is an interactive site offering experiments, games and information that is both educational and fun. It is a great tool that can be used by kids independently at home or by teachers in a classroom setting. Children and members of community groups also learn about electrical safety through our **High Line Hazard Kit**. Newfoundland Power retirees visit schools and community groups across the island, teaching electrical safety. The **High Line Hazard Kit** demonstrates potential hazards in and around the home in a fun and interactive way.

CEA – Sustainable Electricity program 2008 Utility Data and Initiatives Template

Final

S6-2 Provide details or examples of employee SD education programs or some elements of an SD education program.

CEA's sustainability program has three main focuses – environment, society and the economy.

Environment

Newfoundland Power's Environmental Policy states that the Company is committed to managing its activities in a way that is consistent with industry practices including a Sustainable Electricity Program and in ways that support the environmental regulations of the federal, provincial and municipal governments. To help fulfill this commitment, the Company provides environmental training to its employees and contractors to reduce the impact the Company has on the environment. The Company ensures that personnel performing tasks that have the potential to cause significant environmental impacts are environmentally competent on the basis of appropriate education, training and/or experience.

In addition, Newfoundland Power has a unique network of employees known as Customer Service Specialists or Environmental Coordinators located in its main service centers throughout the province. These employees work with other employees, schools and environmental organizations throughout the province to identify opportunities to promote environmental awareness. From teaching the 3 R's to primary students, to working with communities to develop trails, this unique group of employees is well known for their commitment to the environment.



Society

Newfoundland Power is committed to the prevention of workplace illnesses and injuries. To help fulfill this commitment, the Company recently implemented OHSAS 18001, an Occupational Health and Safety Assessment Series for Health and Safety Management Systems. An integral requirement of this system is that all employees are adequately trained to perform their jobs in a safe and efficient manner.

Newfoundland Power is also committed to providing a work environment that is free of harassment and supportive of the dignity, self-esteem and productivity of every employee. The Company, through the Human Resources Department, ensures that all employees are aware of the intent and guidelines of our Respectful Workplace Policy.

CEA – Sustainable Electricity program 2008 Utility Data and Initiatives Template

Final

Another example of Newfoundland Power’s commitment to its employees and their families is the Employees’ Assistance Program (EAP). The EAP provides many services such as confidential and professional assistance in addressing physical illness, mental or emotional distress, legal issues and any other problems related to the personal life of employees and/or their families.



Newfoundland Power offers public safety training programs such as “Firefighting and Electrical Safety Seminars”. Employees and retirees of the Company are also committed to teaching the youth of the province about electrical safety through “Power Line Hazards Training”.

Economy

Newfoundland Power and Newfoundland and Labrador Hydro have teamed together to better educate customers on potential energy savings. The Program, called *Take Charge*, is about educating customers on how to get the best value from their energy dollars. It can be as simple as reminding customers to turn off lights and appliances when not in use, to switch and save with CFL, to slowing the flow of hot water with low-flow showerheads.

Our 1-800 number allows customers to be in direct contact with our Customer Account Representatives who have been trained to offer energy efficiency and conservation tips.

Each year through capital expenditures, Newfoundland Power enhances various components of its electricity system. Through this investment in infrastructure we ensure a safe and reliable source of electricity for our customers.



CEA – Sustainable Electricity program 2008 Utility Data and Initiatives Template

Final

S7-4 Provide an example(s) of where stakeholder engagement or input has improved an outcome.



Over the past number of years the number of contractors used by Newfoundland Power has increased. With this increase it was becoming difficult to keep all contractors informed of any changes to our environmental and safety procedures and practices. In 2008 Newfoundland Power launched a new website specifically for our contractors – “Working with Newfoundland Power” (<https://workingwith.newfoundlandpower.com>). This website provides contractors with access to our policies, procedures, practices and training requirements.

Given Newfoundland Power’s commitment to safety and the environment, and our expectations on contractors to follow our practices, this website will ensure that our contractors have the most up to date information.

All updates to our policies, procedures and training requirements are now posted online, and contractors are encouraged to monitor the website for any changes.

**CEA – Sustainable Electricity program
2008 Utility Data and Initiatives Template**

Final

S8 Aboriginal Relations

Provide a success story or example of a best practice related to procedures or practices to provide training & employment opportunities; skills development e.g. EA studies, community consultation, rehabilitation work, effects monitoring?

There is no aboriginal population in the service area of Newfoundland Power.

CEA – Sustainable Electricity program 2008 Utility Data and Initiatives Template

Final

Ec6 Customer DSM

Provide success stories / best practices related to DSM programs.



In November 2008, the Newfoundland Power and Newfoundland and Labrador Hydro launched a new joint energy conservation brand called **takeCHARGE – Saving Energy Starts Here!** replacing the two utilities' previous individual conservation brands. An advertising campaign and an **ENERGYSTAR** appliance contest served to raise awareness of energy conservation and to encourage customers to visit the new energy conservation website takechargenl.ca. Joint **takeCHARGE** customer newsletters were distributed to all residents of Newfoundland and Labrador through both utilities' bill mailings. Coordinated expansion of program offerings to residential, commercial and industrial sectors is planned for 2009.

**CEA - SUSTAINABLE ELECTRICITY PROGRAM
2008 Electronic Data Reporting Template**

Company Newfoundland Power
Date: 16-Apr-09

BASIC UTILITY INFORMATION

<u>CODE</u>	<u>INDICATOR</u>						<u>NOTES</u>
Gross Generation (GWh)		2004	2005	2006	2007	2008	
GG1	Coal	NA	NA	NA	NA	NA	2
GG2	Oil	NA	NA	NA	NA	NA	2
GG3	Diesel	1.37	0.50	1.80	0.40	1.50	1
GG4	Natural gas	NA	NA	NA	NA	NA	2
GG5	Hydroelectric	417.96	458.60	426.70	379.40	454.30	
GG6	Nuclear	NA	NA	NA	NA	NA	2
GG7	Other renewables	NA	NA	NA	NA	NA	2
GG8	Total	419.33	459.10	428.50	379.80	455.80	
Net Generation (GWh)		2004	2005	2006	2007	2008	
NG9	Coal	NA	NA	NA	NA	NA	2
NG10	Oil	NA	NA	NA	NA	NA	2
NG11	Diesel	Not Avail	Not Avail	Not Avail	Not Avail	Not Avail	3
NG12	Natural gas	NA	NA	NA	NA	NA	2
NG13	Hydroelectric	415.45	456.30	424.50	377.00	451.80	
NG14	Nuclear	NA	NA	NA	NA	NA	2
NG15	Other renewables	NA	NA	NA	NA	NA	2
NG16	Total	415.45	456.30	424.50	377.00	451.80	
NG17	Other renewables purchased from non-CEA members	NA	NA	NA	NA	NA	2
NG18	Generation below NPRI / EC emission reporting thresholds	All	All	All	All	All	

Station Use - including plant losses (GWh)		2004	2005	2006	2007	2008	
SU18	Coal	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	2
SU19	Oil	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	2
SU20	Diesel	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	3
SU21	Natural gas	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	2
SU22	Hydroelectric	2.50	2.30	2.20	2.40	2.50	
SU23	Nuclear	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	2
SU24	Other renewables	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	2
SU25	Total	3.88	2.80	4.00	2.80	4.00	
Total Length and Area of Transmission and Distribution Lines						2008	
TL1	Total Length of Distribution Lines (km)					8700.00	4
TL2	Total Length of Transmission Lines (km)					2100.00	4
TL3	Total Area of Transmission Rights-of-Way (ha)					4400.00	4

**CEA - SUSTAINABLE ELECTRICITY PROGRAM
2008 Electronic Data Reporting Template**

Company Newfoundland Power
Date: 16-Apr-09

ENVIRONMENTAL INDICATORS

<u>CODE</u>	<u>INDICATOR</u>						<u>NOTES</u>	
E1 - Atmospheric Emissions - Sulphur Dioxide SO₂							2008	
E1-1	Total Gross Annual SO ₂ Emission (tonnes)						NA	6
E1-2	Mass Gross SO ₂ Emitted Per Unit of Net Fossil Generation (g/kWh)						#VALUE!	
E1-3	Mass Gross SO ₂ Emitted Per Unit of Net System Generation (g/kWh)						#VALUE!	
E1 - Atmospheric Emissions - Nitrogen Oxides NO_x							2008	
E1-4	Total Gross Annual NO _x Emission (tonnes)						NA	6
E1-5	Mass Gross NO _x Emitted Per Unit of Net Fossil Generation (g/kWh)						#VALUE!	
E1-6	Mass Gross NO _x Emitted Per Unit of Net System Generation (g/kWh)						#VALUE!	
E2 - Atmospheric Emissions - Particulate Matter		2004	2005	2006	2007	2008		
E2-1	Total Gross Annual PM ₁₀ Emissions (tonnes)	NA	NA	NA	NA	NA	6	
E2-2	Total Gross Annual PM _{2.5} Emissions (tonnes)	NA	NA	NA	NA	NA	6	
E3 - Atmospheric Emissions - Mercury (Hg)							2008	
E3-1	Total Gross Annual Mercury Emission (kilograms)						NA	6
E3-2	Mass Gross Mercury Emitted Per Unit of Net Fossil Generation (kg/TWh)						#VALUE!	
E3-3	Mass Gross Mercury Emitted Per Unit of Net System Generation (kg/TWh)						#VALUE!	

E4 - Non-Compliance Fines		2008					
E4-1	Total dollar amount of fines in reporting year (\$)	0.00					
E5 - Spills		2008					
E5-1	Number of Priority Spills	3.00					
E6 - PCB Management		2008					
E6-1	Total inventory of high level PCB material in storage (tonnes)	0.00					
E6-2	Total inventory of low level PCB material in storage (tonnes)	0.00					
E6-3	Total amount of high level PCB material sent for destruction (tonnes)	0.77					
E6-4	Total amount of low level PCB material sent for destruction (tonnes)	5.48					
E6-5	Total amount of high level PCB material taken out of service (tonnes)	0.77					
E6-6	Total amount of low level PCB material taken out of service (tonnes)	5.48					
E7 - Implemented Environmental Management System (EMS)		Yes		No			
E7-1	Does your utility have a fully implemented ISO 14001 consistent EMS?	Yes					
E7-2	If so, is it at the facility or corporate level or both? (Indicate "Fac", "Corp" or "Both")			Both			
E7-3	Has your EMS been verified / audited internally or externally within the last three years?	Yes					
E7-4	Does your company have a Sustainable Development Management System in place?			No		14	
E8 - Commitment to Biodiversity							See Word template.
E8	Provide one or more examples of biodiversity / stewardship / conservation programs or projects initiated in 2008 or tangible results in 2008 from existing programs (Report on the Word template)						
E9 - Atmospheric Emissions of Carbon Dioxide Equivalent (CO_{2eq})		2004	2005	2006	2007	2008	
E9-1	Total Gross Annual Direct CO _{2eq} Emissions from Fossil Generation (tonnes)	NA	NA	NA	NA	NA	6
E10 - Carbon Dioxide Equivalent (CO_{2eq}) Emission Intensity (based on NPRI emission thresholds)		2004	2005	2006	2007	2008	
E10-1	Total fossil generation falling below EC emission reporting threshold (GWh)	NA	NA	NA	NA	NA	6
E10-2	Mass Gross CO _{2 eq} Emitted Per Unit of Net Fossil Generation (kg/kWh)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	
E10-3	Mass Gross CO _{2 eq} Emitted Per Unit of Net System Generation (kg/kWh)	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	
E11 - SF₆ Releases		2008					
E11-1	Total kg of SF ₆ Used for Maintenance Purposes (topping up)	36.7					

E12 - Adaptation to climate change		Yes	No
E12-1	Does your company have plans in place to adapt to the impacts of climate change?	Yes	See Word template
(Provide an example of your utility's plans or planning to adapt to the impact of climate change on Word tempate)			

**CEA - SUSTAINABLE ELECTRICITY PROGRAM
2008 Electronic Data Reporting Template**

Company Newfoundland Power
Date: 16-Apr-09

Social Indicators

<u>CODE</u>	<u>INDICATOR</u>	<u>2008</u>		<u>NOTES</u>
S1-3 - Health and Safety (reported internally)				
S1-1	S1 - All Injury / Illness Frequency Rate (injuries per 200,000 hours)			CEA provides
S2-1	S2 - Lost Time Injury / Illness Frequency Rate (lost-time injuries per 200,000 hours)			CEA provides
S3-1	S3 - Lost - Time Injury Severity Rate (calendar days lost per 200,000 hours)			CEA provides
S4 - Workplace				
		Yes	No	
S4	Does your company have a commitment to workplace diversity? (Provide details on the Word template)	Yes		See Word Template
S5-7 - Communications and Engagement				
		Yes	No	
S5-1	Does your company produce a public SD / CSR / CR / TBL / Sustainability report?		No	15
S6-1	Does your company have public education programs? (Provide details on the Word template)	Yes		See Word Template
S6-2	Does your company have an employee SD education program or some elements of an SD education program? (Provide details on the Word template)	Yes		See Word Template
S7-1	Does your company have a formal stakeholder engagement policy or documented process?	Yes		
S7-2	Does your company have a documented process or processes for responding to stakeholder concerns? e.g. environment, safety, billing?	Yes		
S7-3	Does your company have permanent stakeholder advisory committees or groups?		No	
S7-4	Provide example(s) of where stakeholder engagement / input has improved an outcome. (Report on the Word template)			See Word Template

S8 - Aboriginal Relations		Yes	No	
S8-1	Does your company have an Aboriginal Affairs group or senior Aboriginal advisory positions?		No	8
S8-2	Does your company have procedures requiring early consultation or engagement with Aboriginal communities during project planning and development?		No	8
S8-3	Does your company have business relationships or partnerships with Aboriginal communities?		No	8
S8-4	Does your company have procedures or practices to provide training & employment opportunities; skills development e.g. EA studies, community consultation, rehabilitation work, effects monitoring? (Provide success stories or examples of best practices on the Word template)		No	8

**CEA - SUSTAINABLE ELECTRICITY PROGRAM
2008 Electronic Data Reporting Template**

Company Newfoundland Power
Date: 16-Apr-09

Economic Indicators

<u>CODE</u>	<u>INDICATOR</u>						<u>NOTES</u>
Ec1 - Charitable Donations		2004	2005	2006	2007	2008	
Ec1-1	Total value of annual company charitable donations (\$)	63,026	106,900	73,340	65,323	112,170	
Ec2 - Employee Compensation		2004	2005	2006	2007	2008	
Ec2-1	Total annual value of all employee compensation (\$ per T4s and T4As)	43,421,847	42,579,927	42,818,663	44,470,101	46,120,849	
Ec2-2	Total number of employees - permanent, contract and part-time (#)	661	621	623	627	628	9
Ec3 - Payments to Governments		2004	2005	2006	2007	2008	
Ec3-1	Total value of annual payments to government (\$)	37,258,529	41,034,799	45,543,197	41,708,796	37,864,984	18
Ec4 - Cost of Electricity (by customer class)		2004	2005	2006	2007	2008	
Ec4-1	Average annual cost of electricity - direct / large industrial customers (c/kWh)	NA	NA	NA	NA	NA	12
Ec4-2	Average annual cost of electricity - municipal utilities (c/kWh)	NA	NA	NA	NA	NA	13
Ec4-3	Average annual cost of electricity - commercial / small industrial / institutional customers (c/kWh)	7.40	7.55	7.56	8.72	8.80	5
Ec4-4	Average annual cost of electricity - residential customer (c/kWh)	8.58	9.20	9.64	10.00	10.30	
Ec4-5	Number of direct / large industrial customers (#)	NA	NA	NA	NA	NA	12
Ec4-6	Number of municipal utility customers (#)	NA	NA	NA	NA	NA	13
Ec4-7	Number of commercial / small industrial / institutional customers (#)	20,973	21,252	21,268	21,436	21,672	5
Ec4-8	Number of residential customers (#)	193,912	196,412	198,568	201,045	204,204	

Ec5 - Energy Efficiency Savings		2004	2005	2006	2007	2008		
Ec5-1	Total annual energy efficiency savings (MWh/yr)							
	Efficiency savings from generation stations and equipment (MWh/yr)	Not Avail	Not Avail	Not Avail	Not Avail	8,900	16	
	Efficiency savings from transmission facilities / systems (MWh/yr)	Not Avail	Not Avail	Not Avail	Not Avail	1,013.70	17	
	Efficiency savings from distribution facilities and systems (MWh/yr)	Not Avail	Not Avail	Not Avail	Not Avail	Not Avail	19	
	Efficiency savings from office / other buildings (MWh/yr)	Not Avail	Not Avail	Not Avail	Not Avail	Not Avail	20	
Ec6 - Customer DSM		2004	2005	2006	2007	2008		
Ec6-1	Total energy saved by DSM programs (MWh)	552	1,698	1,483	2,499	1,116	10	
	Provide success stories / best practices related to DSM Programs (report on Word template)							
Ec7 - Emergency Management					Yes	No		
	Does your company have emergency management plans in place for:							
Ec7-1	Pandemic					No	11	
Ec7-2	Natural Disasters				Yes			
Ec7-3	Terrorism				Yes			
Ec7-4	Business continuity				Yes			
Ec8 - Public Safety Incidents (reported internally by CEA)					2008			
Ec8-1	Total number of public contacts (#/yr)					CEA provides		
Ec9 - Investment in New and Refurbished Infrastructure								
		2004	2005	2006	2007	2008		
Ec9-1	Ec9 Total capital expenditures on new / refurbished generation infrastructure (\$/yr)	8,468,000	4,578,000	5,107,000	18,150,000	3,920,000		
Ec9-2	Ec9 Total capital expenditures on new / refurbished transmission infrastructure (\$/yr)	2,061,000	2,651,000	4,456,000	4,440,000	5,316,000		
Ec9-3	Ec9 Total capital expenditures on new / refurbished distribution infrastructure (\$/yr)	30,762,000	31,076,000	33,375,000	30,429,000	37,053,000		
Ec10 - Service Interruptions (reported internally)					2008			
Ec10-1	System average interruption duration (minutes)					CEA provides		
Ec10-2	System average interruption frequency (#/yr)					CEA provides		

**CEA - SUSTAINABLE ELECTRICITY PROGRAM
2008 Electronic Data Reporting Template
NOTES**

Company: Newfoundland Power
Date: 16-Apr-09

<u>NOTE NO.</u>	<u>NOTE</u>
1	Gross Fossil Fuel Generation increased in 2008 compared to 2007 due to an increase in standby generation.
2	The Company does not have coal, oil, natural gas, nuclear or other renewable generation.
3	Station Service meter readings were not available from all fossil fuel plants. These fossil fuel plants are not base load units. Since these plants are only used for peaking and emergency standby, the gross energy production is very small. One would expect the net fossil fuel generation to be very low relative to gross fossil fuel generation.
4	Estimated.
5	Number of commercial/small industrial/institutional customers does not include street and area lighting customers.
6	The type of fuel used at Newfoundland Power Fossil Plants is #2 diesel. Our plants are only used for peaking and emergency standby therefore emissions are low.
7	The SF ₆ number is based on weighing the SF ₆ cylinders and reconciling the data throughout the maintenance process.
8	There is no aboriginal population in the service area of Newfoundland Power.
9	The total number of employees include regular and temporary full time equivalents only. Number of contractors is not tracked.

April 16, 2009

**CEA - SUSTAINABLE ELECTRICITY PROGRAM
2008 Electronic Data Reporting Template
NOTES**

Company: Newfoundland Power
Date: 16-Apr-09

<u>NOTE NO.</u>	<u>NOTE</u>
10	Savings are for the year in which they are obtained. In 2008, participation in the DMS program was lower than in 2007 and we changed our methodology for estimating the energy savings (based on engineering review and new data). The number represents an annual savings for the years as indicated.
11	The Company has a number of Emergency Plans currently in place. We are in the process of adapting the CEA pandemic plan to our Company.
12	We are assuming a large customer would be those with 5 MW or greater usage.
13	We have no municipal customers.
14	We do not have a SDMS program in place, however, we do have components such as ISO 14001 and OHSAS 18001.
15	We do not produce a formal Sustainable Development Report, however, we do report on components of sustainability in our Annual Report and other reports available to the public.
16	This is total energy savings for the year as the result of upgrades to Rattling Brook Hydro Plant which was completed in 2007. Statistics for other years are not available at this time.
17	Energy savings is the result of upgrades to transmission lines. Statistics for other years are not available at this time.
18	Annual payments to government include corporate income tax, HST, business and property tax, generation tax and crown land leases.

April 16, 2009

**CEA - SUSTAINABLE ELECTRICITY PROGRAM
2008 Electronic Data Reporting Template
NOTES**

Company: Newfoundland Power
Date: 16-Apr-09

<u>NOTE NO.</u>	<u>NOTE</u>
19	Energy efficiency savings are not available for years up to and including 2008. On a go forward basis, efforts will be made to capture this information. In 2009 Newfoundland Power will realize energy efficiency savings as a result of a program to replace mercury vapour street lights with high pressure sodium street lights.
20	Energy efficiency savings are not available for years up to and including 2008. On a go forward basis, efforts will be made to capture this information. In 2009 Newfoundland Power will realize energy efficiency savings as the result of upgrading internal lighting and retrofitting of the HVAC system.