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August 31, 2011

Board of Commissioners of Public Utilities Prince Charles Building 120 Torbay Road, P.O. Box 21040 St. John's, NL A1A 5B2

ATTENTION: Ms. Cheryl Blundon

Director of Corporate Services & Board Secretary

Dear Ms. Blundon:

Re: Newfoundland and Labrador Hydro's 2012 Capital Budget Application

Further to your letter of August 25, 2011 whereby Hydro was directed to file a List of Projects to be included in each of Phase I and Phase II with regard to the Board's review of the above noted application, please find enclosed the original and eight copies of the following:

Phase I (Section A, pages A-9 to A-16)

This phase contains non-Holyrood Thermal Generating Station (HTGS) capital budget proposals, as well as the multi-year HTGS projects that were approved in the previous Capital Budget Applications. Hydro wishes to include the multi-year HTGS projects in Phase I of the process as work on theses projects has commenced in prior years, and Hydro wishes to avoid introducing any potential delays in 2012 execution.

Phase II (Section A, pages A-17 and A-18)

This phase contains all the new HTGS capital budget proposals as submitted in the 2012 Capital Budget Application.

Should you have any questions, please contact the undersigned.

Yours truly,

NEWFOUNDLAND AND LABRADOR HYDRO

Geoffrey P. Young

Senior Legal Counsel

GPY/ic

cc: Gerard Hayes – Newfoundland Power
Paul Coxworthy – Stewart McKelvey Stirling Scales

Thomas Johnson – Consumer Advocate
Dean Porter – Poole Althouse

	Expended to 2011	Future 2012 Years		Total
	10 2011	(\$0		IOtal
GENERATION	8,374	17,902	10,475	36,751
TRANSMISSION AND RURAL OPERATIONS	15,627	43,287	220,484	279,399
GENERAL PROPERTIES	3,421	7,765	1,607	12,792
MAJOR OVERHAULS AND INSPECTIONS	0	1,431	0	1,431
CONTINGENCY FUND TOTAL CAPITAL BUDGET PHASE I	27,422	1,000 71,384	0 232,566	1,000 331,373

ı	Expended		Future	
_	to 2011	2012	Years	Total
		(\$0	00)	
<u>GENERATION</u>				
Hydraulic Plant	1,200	11,033	10,191	22,424
Thermal Plant	4,546	3,306	285	8,136
Gas Turbines	2,629	3,367	0	5,995
Tools and Equipment	0	196	0	196
TOTAL GENERATION	8,374	17,902	10,475	36,751
TRANSMISSION AND RURAL OPERATIONS				
Terminal Stations	8,399	14,149	8,294	30,843
Transmission	289	5,829	207,625	213,743
Distribution	5,636	17,416	2,677	25,728
Generation	516	2,681	1,206	4,403
Properties	0	566	0	566
Metering	292	628	288	1,208
Tools and Equipment	494	2,019	396	2,909
TOTAL TRANSMISSION AND RURAL OPERATIONS	15,627	43,287	220,484	279,399
MAJOR OVERHAULS AND INSPECTIONS				
Major Overhauls and Inspections	0	1,431	0	1,431
TOTAL MAJOR OVERHAULS AND INSPECTIONS	0	1,431	0	1,431
GENERAL PROPERTIES				
Information Systems	999	2,347	388	3,734
Telecontrol	72	2,686	0	2,758
Transportation	2,351	2,350	1,219	5,920
Administrative	0	381	0	381
TOTAL GENERAL PROPERTIES	3,421	7,765	1,607	12,792
CONTINGENCY FUND	 :	1,000		1,000
TOTAL CAPITAL BUDGET	27,422	71,384	232,566	331,373

Mathematical Properties Mathematical Pro		Expended		Future		Page
Name	PROJECT DESCRIPTION	to 2011	2012		Total	Ref
Rewind Stators Units 1, 3 and 4 - Bay d'Espoir 4,954 8,689 13,643 8 - 3 Replace Static Excitation Systems - Upper Salmon, 487 2,403 1,219 4,109 Upgrade Burnt Dam Spillway - Bay d'Espoir 1,703 1,703 8 - 14 Replace Emergency Diesel Generator - Bay d'Espoir 352 468 820 Upgrade Generating Station Service Water System - Cat Arm 360 440 800 Replace Fuel Tank - Burnt Dam 208 208 C - 2 Replace Rip Rap - Bay d'Espoir 199 199 D - 2 Upgrade Public Safety Around Dams and Waterways - Bay d'Espoir 1,200 11,033 10,191 22,424 TOTAL HYDRAULIC PLANT 1,200 11,033 10,191 22,424 THERMAL PLANT 2,230 902 3,132 Upgrade Phydrogen System - Holyrood 2,230 902 3,132 Upgrade Synchronous Condenser Unit 3 - Holyrood 2,83 90 889 Replace Relay Panels Unit 3 - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyroo				(\$000)		
Replace Static Excitation Systems - Upper Salmon, Holyrood and Hinds Lake 487 2,403 1,219 4,109 Upgrade Burnt Dam Spillway - Bay d'Espoir 611 283 894 B - 24 Replace Emergency Diesel Generator - Bay d'Espoir 352 468 820 Upgrade Intake Gate Controls - Bay d'Espoir 352 468 820 Upgrade Generating Station Service Water System - Cat Arm 360 440 800 Replace File Tank - Burnt Dam 208 208 208 C - 2 Replace Rip Rap - Bay d'Espoir 48 48 48 TOTAL HYDRAULIC PLANT 1,200 11,033 10,191 22,424 THERMAL PLANT Replace Programmable Logic Controllers - Holyrood 2,230 902 3,132 Upgrade Hydrogen System - Holyrood 1,192 800 1,992 Upgrade Synchronous Condenser Unit 3 - Holyrood 484 406 889 Replace Relay Panels Unit 3 - Holyrood 175 438 613 Upgrade Steam Seal Regulator Unit 2 - Holyrood 175 438 613	HYDRAULIC PLANT					
Holyrood and Hinds Lake	Rewind Stators Units 1, 3 and 4 - Bay d'Espoir		4,954	8,689	13,643	B - 3
Digrade Burnt Dam Spillway - Bay d'Espoir 1,703 8 - 14 Replace Emergency Diesel Generator - Bay d'Espoir 352 468 820 Upgrade Intake Gate Controls - Bay d'Espoir 352 468 820 Upgrade Generating Station Service Water System - Cat Arm 360 440 800 Replace Fuel Tank - Burnt Dam 208 208 208 228 Replace Rip Rap - Bay d'Espoir 199 199 D - 2 Upgrade Public Safety Around Dams and Waterways - Bay d'Espoir 48 48 TOTAL HYDRAULIC PLANT 1,200 11,033 10,191 22,424 THERMAL PLANT Replace Programmable Logic Controllers - Holyrood 2,230 902 3,132 Upgrade Hydrogen System - Holyrood 1,192 800 1,992 Upgrade Synchronous Condenser Unit 3 - Holyrood 484 406 889 Upgrade Electrical Equipment - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyrood 175 438 613 TOTAL THERMAL PLANT 4,546 3,306 285 8,136 FAS TURBINES 1978 1988 1988 1988 1988 Upgrade Gas Turbine Plant Life Extension - Hardwoods 2,629 3,367 0 5,995 TOTAL GAS TURBINE PLANTS 2,629 3,367 0 5,995 TOTAL GAS TURBINE PLANTS 2,629 3,367 0 5,995 TOTAL GAS TURBINE PLANTS 2,629 3,367 0 5,995 TOTAL TOOLS AND EQUIPMENT 0 196 0 196 196 100	Replace Static Excitation Systems - Upper Salmon,					
Replace Emergency Diesel Generator - Bay d'Espoir 611 283 894 B - 25 Upgrade Intake Gate Controls - Bay d'Espoir 352 468 820 Upgrade Generating Station Service Water System - Cat Arm 360 440 800 Replace Fuel Tank - Burnt Dam 208 208 C - 2 Replace Rip Rap - Bay d'Espoir 199 199 D - 2 Upgrade Public Safety Around Dams and Waterways - Bay d'Espoir 48 48 TOTAL HYDRAULIC PLANT 1,200 11,033 10,191 22,424 THERMAL PLANT 2,230 902 3,132 Replace Programmable Logic Controllers - Holyrood 2,230 902 3,132 Upgrade Hydrogen System - Holyrood 1,192 800 1,992 Upgrade Synchronous Condenser Unit 3 - Holyrood 277 554 831 Upgrade Electrical Equipment - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyrood 175 438 613 TOTAL THERMAL PLANT 2,629 3,367 5,995 <	Holyrood and Hinds Lake	487	2,403	1,219	4,109	
Upgrade Intake Gate Controls - Bay d'Espoir 352 468 820 Upgrade Generating Station Service Water System - Cat Arm 360 440 800 Replace Fuel Tank - Burnt Dam 208 208 C - 2 Replace Rip Rap - Bay d'Espoir 199 199 D - 2 Upgrade Public Safety Around Dams and Waterways - Bay d'Espoir 48 48 TOTAL HYDRAULIC PLANT 1,200 11,033 10,191 22,424 THERMAL PLANT Replace Programmable Logic Controllers - Holyrood 2,230 902 3,132 Upgrade Hydrogen System - Holyrood 1,192 800 1,992 Upgrade Synchronous Condenser Unit 3 - Holyrood 484 406 889 Replace Relay Panels Unit 3 - Holyrood 277 554 831 Upgrade Electrical Equipment - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyrood 175 438 613 TOTAL THERMAL PLANT 4,546 3,366 285 8,136 TOTAL GAS TURBINE PLANTS 2,629 3	Upgrade Burnt Dam Spillway - Bay d'Espoir		1,703		1,703	B - 14
Upgrade Generating Station Service Water System - Cat Arm 360 440 800 Replace Fuel Tank - Burnt Dam 208 208 C - 2 Replace Rip Rap - Bay d'Espoir 199 199 D - 2 Upgrade Public Safety Around Dams and Waterways - Bay d'Espoir 48 48 TOTAL HYDRAULIC PLANT 1,200 11,033 10,191 22,424 THERMAL PLANT Replace Programmable Logic Controllers - Holyrood 2,230 902 3,132 Upgrade Hydrogen System - Holyrood 1,192 800 1,992 Upgrade Synchronous Condenser Unit 3 - Holyrood 484 406 889 Replace Relay Panels Unit 3 - Holyrood 277 554 831 Upgrade Electrical Equipment - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyrood 175 438 613 TOTAL THERMAL PLANT 4,546 3,306 285 8,796 TOTAL Gas Turbine Plant Life Extension - Hardwoods 2,629 3,367 5,995 TOTAL GAS TURBINE PLANTS 2,629	Replace Emergency Diesel Generator - Bay d'Espoir		611	283	894	B - 25
Replace Fuel Tank - Burnt Dam 208 208 C - 2 Replace Rip Rap - Bay d'Espoir 199 199 D - 2 Upgrade Public Safety Around Dams and Waterways - Bay d'Espoir 48 48 TOTAL HYDRAULIC PLANT 1,200 11,033 10,191 22,424 THERMAL PLANT Replace Programmable Logic Controllers - Holyrood 2,230 902 3,132 Upgrade Hydrogen System - Holyrood 1,192 800 1,992 Upgrade Synchronous Condenser Unit 3 - Holyrood 484 406 889 Replace Relay Panels Unit 3 - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyrood 175 438 613 TOTAL THERMAL PLANT 4,546 3,306 285 8,79 Upgrade Gas Turbine Plant Life Extension - Hardwoods 2,629 3,367 5,995 TOTAL GAS TURBINE PLANTS 2,629 3,367 0 5,995 TOOLS AND EQUIPMENT 0	Upgrade Intake Gate Controls - Bay d'Espoir	352	468		820	
Replace Rip Rap - Bay d'Espoir 199 199 D - 2 Upgrade Public Safety Around Dams and Waterways - Bay d'Espoir 48 48 TOTAL HYDRAULIC PLANT 1,200 11,033 10,191 22,424 THERMAL PLANT Replace Programmable Logic Controllers - Holyrood 2,230 902 3,132 Upgrade Hydrogen System - Holyrood 1,192 800 1,992 Upgrade Synchronous Condenser Unit 3 - Holyrood 484 406 889 Replace Relay Panels Unit 3 - Holyrood 277 554 831 Upgrade Electrical Equipment - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyrood 175 438 613 TOTAL THERMAL PLANT 4,546 3,306 285 8,136 GAS TURBINES Upgrade Gas Turbine Plant Life Extension - Hardwoods 2,629 3,367 5,995 TOOLS AND EQUIPMENT Purchase Tools and Equipment Less than \$50,000 196 196 196	Upgrade Generating Station Service Water System - Cat Arm	360	440		800	
Upgrade Public Safety Around Dams and Waterways - Bay d'Espoir 48 48 TOTAL HYDRAULIC PLANT 1,200 11,033 10,191 22,424 THERMAL PLANT Replace Programmable Logic Controllers - Holyrood 2,230 902 3,132 Upgrade Hydrogen System - Holyrood 1,192 800 1,992 Upgrade Synchronous Condenser Unit 3 - Holyrood 484 406 889 Replace Relay Panels Unit 3 - Holyrood 277 554 831 Upgrade Electrical Equipment - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyrood 175 438 613 TOTAL THERMAL PLANT 4,546 3,306 285 8,136 GAS TURBINES Upgrade Gas Turbine Plant Life Extension - Hardwoods 2,629 3,367 5,995 TOTAL GAS TURBINE PLANTS 2,629 3,367 0 5,995 TOOLS AND EQUIPMENT 196 196 196 TOTAL TOOLS AND EQUIPMENT 0 196 0 196 <td>Replace Fuel Tank - Burnt Dam</td> <td></td> <td>208</td> <td></td> <td>208</td> <td>C - 2</td>	Replace Fuel Tank - Burnt Dam		208		208	C - 2
TOTAL HYDRAULIC PLANT 1,200 11,033 10,191 22,424 THERMAL PLANT Replace Programmable Logic Controllers - Holyrood 2,230 902 3,132 Upgrade Hydrogen System - Holyrood 1,192 800 1,992 Upgrade Synchronous Condenser Unit 3 - Holyrood 484 406 889 Replace Relay Panels Unit 3 - Holyrood 277 554 831 Upgrade Electrical Equipment - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyrood 175 438 613 TOTAL THERMAL PLANT 4,546 3,306 285 8,136 GAS TURBINES Upgrade Gas Turbine Plant Life Extension - Hardwoods 2,629 3,367 5,995 TOTAL GAS TURBINE PLANTS 2,629 3,367 0 5,995 TOOLS AND EQUIPMENT 0 196 196 TOTAL TOOLS AND EQUIPMENT 0 196 0 196	Replace Rip Rap - Bay d'Espoir		199		199	D - 2
THERMAL PLANT Replace Programmable Logic Controllers - Holyrood 2,230 902 3,132 Upgrade Hydrogen System - Holyrood 1,192 800 1,992 Upgrade Synchronous Condenser Unit 3 - Holyrood 484 406 889 Replace Relay Panels Unit 3 - Holyrood 277 554 831 Upgrade Electrical Equipment - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyrood 175 438 613 TOTAL THERMAL PLANT 4,546 3,306 285 8,136 GAS TURBINES Upgrade Gas Turbine Plant Life Extension - Hardwoods 2,629 3,367 5,995 TOTAL GAS TURBINE PLANTS 2,629 3,367 0 5,995 TOOLS AND EQUIPMENT Purchase Tools and Equipment Less than \$50,000 196 0 196 TOTAL TOOLS AND EQUIPMENT 0 196 0 196	Upgrade Public Safety Around Dams and Waterways - Bay d'Espoir		48		48	
Replace Programmable Logic Controllers - Holyrood 2,230 902 3,132 Upgrade Hydrogen System - Holyrood 1,192 800 1,992 Upgrade Synchronous Condenser Unit 3 - Holyrood 484 406 889 Replace Relay Panels Unit 3 - Holyrood 277 554 831 Upgrade Electrical Equipment - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyrood 175 438 613 TOTAL THERMAL PLANT 4,546 3,306 285 8,136 GAS TURBINES Upgrade Gas Turbine Plant Life Extension - Hardwoods 2,629 3,367 5,995 TOTAL GAS TURBINE PLANTS 2,629 3,367 0 5,995 TOOLS AND EQUIPMENT Purchase Tools and Equipment Less than \$50,000 196 196 196 TOTAL TOOLS AND EQUIPMENT 0 196 0 196	TOTAL HYDRAULIC PLANT	1,200	11,033	10,191	22,424	:
Replace Programmable Logic Controllers - Holyrood 2,230 902 3,132 Upgrade Hydrogen System - Holyrood 1,192 800 1,992 Upgrade Synchronous Condenser Unit 3 - Holyrood 484 406 889 Replace Relay Panels Unit 3 - Holyrood 277 554 831 Upgrade Electrical Equipment - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyrood 175 438 613 TOTAL THERMAL PLANT 4,546 3,306 285 8,136 GAS TURBINES Upgrade Gas Turbine Plant Life Extension - Hardwoods 2,629 3,367 5,995 TOTAL GAS TURBINE PLANTS 2,629 3,367 0 5,995 TOOLS AND EQUIPMENT Purchase Tools and Equipment Less than \$50,000 196 196 196 TOTAL TOOLS AND EQUIPMENT 0 196 0 196	THERMAL PLANT					
Upgrade Hydrogen System - Holyrood 1,192 800 1,992 Upgrade Synchronous Condenser Unit 3 - Holyrood 484 406 889 Replace Relay Panels Unit 3 - Holyrood 277 554 831 Upgrade Electrical Equipment - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyrood 175 438 613 TOTAL THERMAL PLANT 4,546 3,306 285 8,136 GAS TURBINES Upgrade Gas Turbine Plant Life Extension - Hardwoods 2,629 3,367 5,995 TOTAL GAS TURBINE PLANTS 2,629 3,367 0 5,995 TOOLS AND EQUIPMENT Purchase Tools and Equipment Less than \$50,000 196 196 TOTAL TOOLS AND EQUIPMENT 0 196 0 196		2,230	902		3,132	
Replace Relay Panels Unit 3 - Holyrood 277 554 831 Upgrade Electrical Equipment - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyrood 175 438 613 TOTAL THERMAL PLANT 4,546 3,306 285 8,136 GAS TURBINES Upgrade Gas Turbine Plant Life Extension - Hardwoods 2,629 3,367 5,995 TOTAL GAS TURBINE PLANTS 2,629 3,367 0 5,995 TOOLS AND EQUIPMENT Purchase Tools and Equipment Less than \$50,000 196 196 196 TOTAL TOOLS AND EQUIPMENT 0 196 0 196		-	800			
Upgrade Electrical Equipment - Holyrood 188 206 285 679 Replace Steam Seal Regulator Unit 2 - Holyrood 175 438 613 TOTAL THERMAL PLANT 4,546 3,306 285 8,136 GAS TURBINES Upgrade Gas Turbine Plant Life Extension - Hardwoods 2,629 3,367 5,995 TOTAL GAS TURBINE PLANTS 2,629 3,367 0 5,995 TOOLS AND EQUIPMENT 196 196 196 TOTAL TOOLS AND EQUIPMENT 0 196 0 196	Upgrade Synchronous Condenser Unit 3 - Holyrood	484	406		889	
Replace Steam Seal Regulator Unit 2 - Holyrood 175 438 613 TOTAL THERMAL PLANT 4,546 3,306 285 8,136 GAS TURBINES Upgrade Gas Turbine Plant Life Extension - Hardwoods 2,629 3,367 5,995 TOTAL GAS TURBINE PLANTS 2,629 3,367 0 5,995 TOOLS AND EQUIPMENT 96 196 196 TOTAL TOOLS AND EQUIPMENT 0 196 0 196	Replace Relay Panels Unit 3 - Holyrood	277	554		831	
TOTAL THERMAL PLANT 4,546 3,306 285 8,136 GAS TURBINES Upgrade Gas Turbine Plant Life Extension - Hardwoods 2,629 3,367 5,995 TOTAL GAS TURBINE PLANTS 2,629 3,367 0 5,995 TOOLS AND EQUIPMENT 96 196 196 TOTAL TOOLS AND EQUIPMENT 0 196 0 196	Upgrade Electrical Equipment - Holyrood	188	206	285	679	
GAS TURBINESUpgrade Gas Turbine Plant Life Extension - Hardwoods2,6293,3675,995TOTAL GAS TURBINE PLANTS2,6293,36705,995TOOLS AND EQUIPMENTPurchase Tools and Equipment Less than \$50,000196196TOTAL TOOLS AND EQUIPMENT01960196	Replace Steam Seal Regulator Unit 2 - Holyrood	175	438		613	
Upgrade Gas Turbine Plant Life Extension - Hardwoods2,6293,3675,995TOTAL GAS TURBINE PLANTS2,6293,36705,995TOOLS AND EQUIPMENTPurchase Tools and Equipment Less than \$50,000196196TOTAL TOOLS AND EQUIPMENT01960196	TOTAL THERMAL PLANT	4,546	3,306	285	8,136	
TOTAL GAS TURBINE PLANTS 2,629 3,367 0 5,995 TOOLS AND EQUIPMENT Purchase Tools and Equipment Less than \$50,000 196 196 TOTAL TOOLS AND EQUIPMENT 0 196 0	GAS TURBINES					
TOOLS AND EQUIPMENTPurchase Tools and Equipment Less than \$50,000196196TOTAL TOOLS AND EQUIPMENT01960	Upgrade Gas Turbine Plant Life Extension - Hardwoods	2,629	3,367		5,995	
Purchase Tools and Equipment Less than \$50,000 196 196 TOTAL TOOLS AND EQUIPMENT 0 196 0 196	TOTAL GAS TURBINE PLANTS	2,629	3,367	0	5,995	•
TOTAL TOOLS AND EQUIPMENT 0 196 0 196	TOOLS AND EQUIPMENT					
·	Purchase Tools and Equipment Less than \$50,000		196		196	
TOTAL GENERATION 8,374 17,902 10,475 36,751	TOTAL TOOLS AND EQUIPMENT	0	196	0	196	
	TOTAL GENERATION	8,374	17,902	10,475	36,751	•

PROJECT DESCRIPTION (a. 10.00) (b. 10.00) <		Expended		Future		Page
Install Additional 230kV Transformer - Oxen Pond 0,483 3,507 0,990 0	PROJECT DESCRIPTION	=	2012	Years	Total	_
Install Additional 230kV Transformer - Oxen Pond Upgrade Terminal Stations to 25 kV - Labrador City G.483 3,507 9,990 1,077 8 + 8 + 8 + 1				(\$000)		
Upgrade Terminal Stations to 25 kV - Labrador City 6,483 3,507 9,990 Upgrade Circuit Breakers - Various Sites 1,677 1,677 1,678 Perform Grounding Upgrades - Various Sites 321 324 1,012 1,567 Upgrade Power Transformers - Various Sites 1,246 1,246 1,246 Upgrade Substation - Wabush 459 626 1,086 Upgrade Station Reliability and Safety - Rocky Harbour 435 360 795 Replace Gompressed Air System - Bay d'Espoir 84 564 688 Replace Compressed Air System - Bay d'Espoir 84 564 681 Replace Instrument Transformers - Various Sites 41 590 631 Replace Instrument Transformers - Various Sites 352 352 C - 216 Replace Disconnects - Various Sites 86 109 105 Replace Surge Arrestors - Various Sites 86 109 105 Replace Surge Arrestors - Various Sites 8,399 14,149 8,294 3,084 TOTAL TERMINAL STATIONS 2,512 26,22 206,744	TERMINAL STATIONS					
Digrade Circuit Breakers - Various Sites 321 324 1,012 1,675 1,676 1,246	Install Additional 230kV Transformer - Oxen Pond		3,535	7,004	10,540	B - 29
Perform Grounding Upgrades - Various Sites 321 324 1,012 1,657 Upgrade Power Transformers - Various Sites 1,266 1,086 1,086 Upgrade Substation Reliability and Safety - Rocky Harbour 455 360 795 Replace 69 kV SF6 Breakers - St. Anthony Airport 490 290 780 Replace Compressed Air System - Bay d'Espoir 84 564 648 Replace Instrument Transformers - Various Sites 41 590 631 Replace Instrument Transformers - Various Sites 412 590 631 Replace Disconnects - Various Sites 352 352 612 Replace Disconnects - Various Sites 368 109 9 105 Replace Compressed Air Piping and Install Dew Point Monitor - Buchans 86 109 76 76 76 Replace Surge Arrestors - Various Sites 86 109 3,29 3,00 71 TOTAL TERMINAL STATIONS 8,399 14,149 3,29 3,00 76 76 76 76 76 76 76 76 <td>Upgrade Terminal Stations to 25 kV - Labrador City</td> <td>6,483</td> <td>3,507</td> <td></td> <td>9,990</td> <td></td>	Upgrade Terminal Stations to 25 kV - Labrador City	6,483	3,507		9,990	
Upgrade Power Transformers - Various Sites 1,246 1,246 1,246 1,246 1,246 1,086 1,086 1,096 1,086 1,096 1,086 1,096 1,096 1,086 1,096 1,096 1,008 <td>Upgrade Circuit Breakers - Various Sites</td> <td></td> <td>1,677</td> <td></td> <td>1,677</td> <td>B - 45</td>	Upgrade Circuit Breakers - Various Sites		1,677		1,677	B - 45
Upgrade Substation - Wabush 459 626 1,086 4 1,086 4 1,086 4 1,086 4 1,086 4 1,086 7 1,086	Perform Grounding Upgrades - Various Sites	321	324	1,012	1,657	
Digrade Station Reliability and Safety - Rocky Harbour Replace 69 kV SF6 Breakers - St. Anthony Airport 490 290 780 780 780 780 780 780 780 780 780 78	Upgrade Power Transformers - Various Sites		1,246		1,246	B - 49
Replace 69 kV SF6 Breakers - St. Anthony Airport 490 290 780 Replace Compressed Air System - Bay of Espoir 84 564 648 Replace 230 kV Circuit Breaker - Sunnyside 41 590 631 Replace Instrument Transformers - Various Sites 452 452 C - 35 Replace Insulators - Various Sites 412 412 C - 113 Replace Compressed Air Piping and Install Dew Point Monitor - Buchans 28 278 307 C - 166 Install Alternate Station Services - Stony Brook and Massey Drive 86 109 195 C - 166 Replace Surge Arrestors - Various Sites 76<	Upgrade Substation - Wabush	459	626		1,086	
Replace Compressed Air System - Bay d'Espoir 84 564 648 Replace 230 kV Circuit Breaker - Sunnyside 41 590 631 Replace Instrument Transformers - Various Sites 452 452 C - 35 Replace Insulators - Various Sites 412 412 C - 113 Replace Disconnects - Various Sites 352 352 C - 166 Replace Compressed Air Piping and Install Dew Point Monitor - Buchans 28 278 307 C - 166 Install Alternate Station Services - Stony Brook and Massey Drive 86 109 195 76 D - 173 Replace Surge Arrestors - Various Sites 8,399 14,149 8,294 30,843 D - 173 TOTAL TERMINAL STATIONS 8,399 14,149 8,294 30,843 D - 173 TRANSMISSION 2,632 206,744 209,376 B - 27 Perform Wood Pole Line Management Program - Various Sites 2,519 2,519 B - 27 Replace Guy Wires TL-215 - Doyles to Grand Bay 289 318 880 1,487 Upgrade Transmission Line Access	Upgrade Station Reliability and Safety - Rocky Harbour	435	360		795	
Replace 230 kV Circuit Breaker - Sunnyside 41 590 631 Replace Instrument Transformers - Various Sites 452 452 C - 35 Replace Insulators - Various Sites 412 412 C - 13 Replace Disconnects - Various Sites 352 2 - 126 Replace Compressed Air Piping and Install Dew Point Monitor - Buchans 28 278 307 C - 166 Install Alternate Station Services - Stony Brook and Massey Drive 86 109 195 76 76 76 76 76 76 76 76 77 77 70 A 70 A 77 70 A	Replace 69 kV SF6 Breakers - St. Anthony Airport	490	290		780	
Replace Instrument Transformers - Various Sites 452 452 C - 35 Replace Instulators - Various Sites 412 412 C - 13 Replace Disconnects - Various Sites 352 C - 166 Replace Compressed Air Piping and Install Dew Point Monitor - Buchans 28 278 307 C - 166 Install Alternate Station Services - Stony Brook and Massey Drive 86 109 195 C - 166 Replace Surge Arrestors - Various Sites 76 76 76 D - 173 TOTAL TERMINAL STATIONS 8,399 14,149 8,294 30,843 Perform Wood Pole Line Management Program - Various Sites 2,632 206,744 209,376 B - 27 Replace Guy Wires TL-215 - Doyles to Grand Bay 289 318 880 1,487 Upgrade Transmission Line Access Trails - Stony Brook to Springdale 313 813 2 - 136 Install Ice Monitoring Equipment - Various Sites 47 47 47 TOTAL TRANSMISSION 289 5,829 207,625 213,743 Postribution Systems - All Service Areas 4,172 4,712	Replace Compressed Air System - Bay d'Espoir	84	564		648	
Replace Insulators - Various Sites 412 412 C - 13 Replace Disconnects - Various Sites 352 352 C - 126 Replace Compressed Air Piping and Install Dew Point Monitor - Buchans 28 278 307 C - 166 Install Alternate Station Services - Stony Brook and Massey Drive 86 109 105 766 76	Replace 230 kV Circuit Breaker - Sunnyside	41	590		631	
Replace Disconnects - Various Sites 352 352 C - 126 Replace Compressed Air Piping and Install Dew Point Monitor - Buchans Install Alternate Station Services - Stony Brook and Massey Drive 86 109 195 C - 166 Replace Surge Arrestors - Various Sites 86 109 195 D - 173 TOTAL TERMINAL STATIONS 8,399 14,149 8,294 30,843 D - 173 TERANSMISSION Upgrade Transmission Line Corridor - Bay d'Espoir to Western Avalon Perform Wood Pole Line Management Program - Various Sites 2,632 206,744 209,376 B - 27 Replace Guy Wires TL-215 - Doyles to Grand Bay 289 318 880 1,487 Upgrade Transmission Line Access Trails - Stony Brook to Springdale Install Ice Monitoring Equipment - Various Sites 47 47 TOTAL TRANSMISSION 289 5,829 207,625 213,743 DISTRIBUTION DISTRIBUTION Voltage Conversion - Labrador City 4,590 3,841 970 9,400 Provide Service Extensions - All Service Areas 4,172 4,172 8 - 32 Upg	Replace Instrument Transformers - Various Sites		452		452	C - 35
Replace Compressed Air Piping and Install Dew Point Monitor - Buchans Install Alternate Station Services - Stony Brook and Massey Drive Replace Surge Arrestors - Various Sites 28 278 307 C - 166 Replace Surge Arrestors - Various Sites 76 76 76 D - 173 TOTAL TERMINAL STATIONS 8,399 14,149 8,294 30,843 P TRANSMISSION Upgrade Transmission Line Corridor - Bay d'Espoir to Western Avalon Perform Wood Pole Line Management Program - Various Sites 2,632 206,744 209,376 B - 27 Replace Guy Wires TL-215 - Doyles to Grand Bay 289 318 880 1,487 Upgrade Transmission Line Access Trails - Stony Brook to Springdale Install Ice Monitoring Equipment - Various Sites 47 47 TOTAL TRANSMISSION 289 5,829 207,625 213,743 DISTRIBUTION Voltage Conversion - Labrador City 4,590 3,841 970 9,400 Provide Service Extensions - All Service Areas 4,172 4,172 4,172 4,172 4,172 4,172 9,356 6,23 1,250 1,250 1,250 1,250 <td>Replace Insulators - Various Sites</td> <td></td> <td>412</td> <td></td> <td>412</td> <td>C - 113</td>	Replace Insulators - Various Sites		412		412	C - 113
Install Alternate Station Services - Stony Brook and Massey Drive Replace Surge Arrestors - Various Sites 76 76 76 76 76 76 76 76 76 76 76 76 76	Replace Disconnects - Various Sites		352		352	C - 126
Replace Surge Arrestors - Various Sites 76 76 76 76 77 76 <td>Replace Compressed Air Piping and Install Dew Point Monitor - Buchans</td> <td></td> <td>28</td> <td>278</td> <td>307</td> <td>C - 166</td>	Replace Compressed Air Piping and Install Dew Point Monitor - Buchans		28	278	307	C - 166
TOTAL TERMINAL STATIONS 8,399 14,149 8,294 30,843 TRANSMISSION Upgrade Transmission Line Corridor - Bay d'Espoir to Western Avalon 2,632 206,744 209,376 B - 27 Perform Wood Pole Line Management Program - Various Sites 2,519 2,519 2,519 8 - 27 Replace Guy Wires TL-215 - Doyles to Grand Bay 289 318 880 1,487 Upgrade Transmission Line Access Trails - Stony Brook to Springdale 1313 313 C - 136 Install Ice Monitoring Equipment - Various Sites 289 5,829 207,625 213,743 TOTAL TRANSMISSION 289 5,829 207,625 213,743 DISTRIBUTION Voltage Conversion - Labrador City 4,590 3,841 970 9,400 Provide Service Extensions - All Service Areas 4,172 4,172 4,172 8 - 32 Upgrade Distribution Systems - All Service Areas 2,508 2,508 8 - 38 Distribution System Additions - Various Sites 2,172 2,172 2,172 8 - 34	Install Alternate Station Services - Stony Brook and Massey Drive	86	109		195	
TRANSMISSIONUpgrade Transmission Line Corridor - Bay d'Espoir to Western Avalon2,632206,744209,376B - 27Perform Wood Pole Line Management Program - Various Sites2,5192,519B - 36Replace Guy Wires TL-215 - Doyles to Grand Bay2893188801,487Upgrade Transmission Line Access Trails - Stony Brook to Springdale3138801,487Unstall Ice Monitoring Equipment - Various Sites474747TOTAL TRANSMISSION2895,829207,625213,743DISTRIBUTIONVoltage Conversion - Labrador City4,5903,8419709,400Provide Service Extensions - All Service Areas4,1724,172B - 32Upgrade L2 Distribution Feeder - Glenburnie8452,1155973,556Upgrade Distribution Systems - All Service Areas2,5082,508B - 38Distribution System Additions - Various Sites2,1722,1728 - 42Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point1,3851,1112,496B - 34Upgrade Distribution Systems - Francois, Rigolet and Happy Valley73652726726Replace Substation Infrastructure - Burgeo128368496Replace Recloser Control Panels - Various Sites202C - 176	Replace Surge Arrestors - Various Sites		76		76	D - 173
Upgrade Transmission Line Corridor - Bay d'Espoir to Western Avalon2,632206,744209,376B - 27Perform Wood Pole Line Management Program - Various Sites2,5192,519B - 36Replace Guy Wires TL-215 - Doyles to Grand Bay2893188801,487Upgrade Transmission Line Access Trails - Stony Brook to Springdale Install Ice Monitoring Equipment - Various Sites313313C - 136Install Ice Monitoring Equipment - Various Sites2895,829207,625213,743DISTRIBUTIONVoltage Conversion - Labrador City4,5903,8419709,400Provide Service Extensions - All Service Areas4,1724,172B - 32Upgrade L2 Distribution Feeder - Glenburnie8452,1155973,556Upgrade Distribution Systems - All Service Areas2,5082,508B - 38Distribution System Additions - Various Sites2,1722,172B - 42Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point1,3851,1112,496B - 34Upgrade Distribution Systems - Francois, Rigolet and Happy Valley73652726Replace Substation Infrastructure - Burgeo128368496Replace Recloser Control Panels - Various Sites202C - 176	TOTAL TERMINAL STATIONS	8,399	14,149	8,294	30,843	_
Upgrade Transmission Line Corridor - Bay d'Espoir to Western Avalon2,632206,744209,376B - 27Perform Wood Pole Line Management Program - Various Sites2,5192,519B - 36Replace Guy Wires TL-215 - Doyles to Grand Bay2893188801,487Upgrade Transmission Line Access Trails - Stony Brook to Springdale Install Ice Monitoring Equipment - Various Sites313C - 136Install Ice Monitoring Equipment - Various Sites2895,829207,625213,743DISTRIBUTIONVoltage Conversion - Labrador City4,5903,8419709,400Provide Service Extensions - All Service Areas4,1724,172B - 32Upgrade L2 Distribution Feeder - Glenburnie8452,1155973,556Upgrade Distribution Systems - All Service Areas2,5082,508B - 38Distribution System Additions - Various Sites2,1722,172B - 42Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point1,3851,1112,496B - 34Upgrade Distribution Systems - Francois, Rigolet and Happy Valley73652726Replace Substation Infrastructure - Burgeo128368496Replace Recloser Control Panels - Various Sites202C - 176	TRANSMISSION					-
Perform Wood Pole Line Management Program - Various Sites2,5192,5198 - 36Replace Guy Wires TL-215 - Doyles to Grand Bay2893188801,487Upgrade Transmission Line Access Trails - Stony Brook to Springdale313313C - 136Install Ice Monitoring Equipment - Various Sites474747TOTAL TRANSMISSION2895,829207,625213,743DISTRIBUTIONVoltage Conversion - Labrador City4,5903,8419709,400Provide Service Extensions - All Service Areas4,1724,1728 - 32Upgrade L2 Distribution Feeder - Glenburnie8452,1155973,556Upgrade Distribution Systems - All Service Areas2,5082,5088 - 38Distribution System Additions - Various Sites2,1722,1728 - 42Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point1,3851,1112,4968 - 34Upgrade Distribution Systems - Francois, Rigolet and Happy Valley73652726726Replace Substation Infrastructure - Burgeo128368496496Replace Recloser Control Panels - Various Sites202C - 176			2 632	206 744	200 376	B - 27
Replace Guy Wires TL-215 - Doyles to Grand Bay Upgrade Transmission Line Access Trails - Stony Brook to Springdale Install Ice Monitoring Equipment - Various Sites TOTAL TRANSMISSION DISTRIBUTION Voltage Conversion - Labrador City Provide Service Extensions - All Service Areas Upgrade L2 Distribution Feeder - Glenburnie Upgrade Distribution Systems - All Service Areas Distribution System Additions - Various Sites Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point Upgrade Distribution Systems - Francois, Rigolet and Happy Valley Replace Recloser Control Panels - Various Sites Replace Recloser Control Panels - Various Sites	· · · · · · · · · · · · · · · · · · ·		,	200,744		
Upgrade Transmission Line Access Trails - Stony Brook to Springdale313313C - 136Install Ice Monitoring Equipment - Various Sites4747TOTAL TRANSMISSION2895,829207,625213,743DISTRIBUTIONVoltage Conversion - Labrador City4,5903,8419709,400Provide Service Extensions - All Service Areas4,1724,172B - 32Upgrade L2 Distribution Feeder - Glenburnie8452,1155973,556Upgrade Distribution Systems - All Service Areas2,5082,508B - 38Distribution System Additions - Various Sites2,1722,172B - 42Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point1,3851,1112,496B - 34Upgrade Distribution Systems - Francois, Rigolet and Happy Valley73652726726Replace Substation Infrastructure - Burgeo128368496Replace Recloser Control Panels - Various Sites202C - 176		280	-	880		Б 30
Install Ice Monitoring Equipment - Various Sites 47 47 TOTAL TRANSMISSION 289 5,829 207,625 213,743 DISTRIBUTION Voltage Conversion - Labrador City 4,590 3,841 970 9,400 4,172 B - 32 Upgrade Service Extensions - All Service Areas 4,172 4,172 B - 32 Upgrade L2 Distribution Feeder - Glenburnie 845 2,115 597 3,556 Upgrade Distribution Systems - All Service Areas 2,508 2,508 B - 38 Distribution System Additions - Various Sites 2,172 2,172 B - 42 Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point 1,385 1,111 2,496 B - 34 Upgrade Distribution Systems - Francois, Rigolet and Happy Valley 73 652 726 Replace Substation Infrastructure - Burgeo 128 368 496 Replace Recloser Control Panels - Various Sites 202 C - 176		203		000	-	C - 136
TOTAL TRANSMISSION2895,829207,625213,743DISTRIBUTIONVoltage Conversion - Labrador City4,5903,8419709,400Provide Service Extensions - All Service Areas4,1724,172B - 32Upgrade L2 Distribution Feeder - Glenburnie8452,1155973,556Upgrade Distribution Systems - All Service Areas2,5082,508B - 38Distribution System Additions - Various Sites2,1722,172B - 42Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point1,3851,1112,496B - 34Upgrade Distribution Systems - Francois, Rigolet and Happy Valley73652726726Replace Substation Infrastructure - Burgeo128368496C - 176Replace Recloser Control Panels - Various Sites202202C - 176						C - 130
DISTRIBUTIONVoltage Conversion - Labrador City4,5903,8419709,400Provide Service Extensions - All Service Areas4,1724,172B - 32Upgrade L2 Distribution Feeder - Glenburnie8452,1155973,556Upgrade Distribution Systems - All Service Areas2,5082,508B - 38Distribution System Additions - Various Sites2,1722,172B - 42Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point1,3851,1112,496B - 34Upgrade Distribution Systems - Francois, Rigolet and Happy Valley73652726726Replace Substation Infrastructure - Burgeo128368496Replace Recloser Control Panels - Various Sites202C - 176		280		207 625		-
Voltage Conversion - Labrador City4,5903,8419709,400Provide Service Extensions - All Service Areas4,1724,172B - 32Upgrade L2 Distribution Feeder - Glenburnie8452,1155973,556Upgrade Distribution Systems - All Service Areas2,5082,508B - 38Distribution System Additions - Various Sites2,1722,172B - 42Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point1,3851,1112,496B - 34Upgrade Distribution Systems - Francois, Rigolet and Happy Valley73652726Replace Substation Infrastructure - Burgeo128368496Replace Recloser Control Panels - Various Sites202C - 176	TOTAL TRANSPIRSSION	289	3,623	207,023	213,743	•
Provide Service Extensions - All Service Areas 4,172 4,172 B - 32 Upgrade L2 Distribution Feeder - Glenburnie 845 2,115 597 3,556 Upgrade Distribution Systems - All Service Areas 2,508 2,508 B - 38 Distribution System Additions - Various Sites 2,172 2,172 B - 42 Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point 1,385 1,111 2,496 B - 34 Upgrade Distribution Systems - Francois, Rigolet and Happy Valley 73 652 726 Replace Substation Infrastructure - Burgeo 128 368 496 Replace Recloser Control Panels - Various Sites 202 C - 176	<u>DISTRIBUTION</u>					
Upgrade L2 Distribution Feeder - Glenburnie8452,1155973,556Upgrade Distribution Systems - All Service Areas2,5082,5082,5088 - 38Distribution System Additions - Various Sites2,1722,1728 - 42Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point1,3851,1112,496B - 34Upgrade Distribution Systems - Francois, Rigolet and Happy Valley73652726Replace Substation Infrastructure - Burgeo128368496Replace Recloser Control Panels - Various Sites202C - 176	Voltage Conversion - Labrador City	4,590	3,841	970	9,400	
Upgrade Distribution Systems - All Service Areas2,5082,508B - 38Distribution System Additions - Various Sites2,1722,172B - 42Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point1,3851,1112,496B - 34Upgrade Distribution Systems - Francois, Rigolet and Happy Valley73652726Replace Substation Infrastructure - Burgeo128368496Replace Recloser Control Panels - Various Sites202C - 176	Provide Service Extensions - All Service Areas		4,172		4,172	B - 32
Distribution System Additions - Various Sites Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point Upgrade Distribution Systems - Francois, Rigolet and Happy Valley Replace Substation Infrastructure - Burgeo Replace Recloser Control Panels - Various Sites 2,172 1,385 1,111 2,496 8 - 34 726 726 726 726 726 726 726 72	Upgrade L2 Distribution Feeder - Glenburnie	845	2,115	597	3,556	
Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point1,3851,1112,496B - 34Upgrade Distribution Systems - Francois, Rigolet and Happy Valley73652726Replace Substation Infrastructure - Burgeo128368496Replace Recloser Control Panels - Various Sites202202C - 176	Upgrade Distribution Systems - All Service Areas		2,508		2,508	B - 38
Upgrade Distribution Systems - Francois, Rigolet and Happy Valley73652726Replace Substation Infrastructure - Burgeo128368496Replace Recloser Control Panels - Various Sites202202C - 176	Distribution System Additions - Various Sites		2,172		2,172	B - 42
Replace Substation Infrastructure - Burgeo128368496Replace Recloser Control Panels - Various Sites202202C - 176	Upgrade Distribution Lines - Bay d'Espoir, Parsons Pond and Plum Point		1,385	1,111	2,496	B - 34
Replace Recloser Control Panels - Various Sites 202 C - 176	Upgrade Distribution Systems - Francois, Rigolet and Happy Valley	73	652		726	
·	Replace Substation Infrastructure - Burgeo	128	368		496	
TOTAL DISTRIBUTION 5,636 17,416 2,677 25,728	Replace Recloser Control Panels - Various Sites		202		202	C - 176
	TOTAL DISTRIBUTION	5,636	17,416	2,677	25,728	-

PROJECT DESCRIPTION	Expended to 2011	2012	Future Years (\$000)	Total	Page Ref
GENERATION Design Average All Proposition of Mariana States	420	200	4 206	2.046	
Perform Arc Flash Remediation - Various Sites Increase Generation Capacity - Mary's Harbour	430	380 1,489	1,206	2,016 1,489	B - 48
Replace Fuel Storage Tanks - St. Lewis		465		-	C - 10
Replace Mini Hydro Turbine - Roddicton	87	235		322	C - 10
Perform Front End Engineering Design for Diesel Plant Remediation	0,				
-Various Sites		110		110	D - 131
TOTAL GENERATION	516	2,681	1,206	4,403	
<u>PROPERTIES</u>					•
Install Fall Protection Equipment - Various Sites		199		199	D - 87
Legal Survey of Primary Distribution Line Right of Way - Various Sites		198		198	D - 98
Upgrade Mechanical Workshop - St. Anthony		87		87	D - 134
Install Waste Oil Storage Tank - L'Anse au Loup		82		82	D - 170
TOTAL PROPERTIES	0	566	0	566	
METERING					
Install Automated Meter Reading - Rocky Harbour and Glenburnie		380	288	667	B - 53
Install Automated Meter Reading - Labrador City	292	58		351	
Purchase Meters, Equipment and Metering Tanks - Various Sites		190		190	D - 103
TOTAL METERING	292	628	288	1,208	
TOOLS AND EQUIPMENT					
Replace Off-Road Track Vehicles - Bishop's Falls and Fogo	494	609		1,104	
Replace Off Road Track Vehicles - Flower's Cove and Cow Head		483	396	878	B - 51
Purchase Tools and Equipment Less than \$50,000		406		406	
Replace Light Duty Mobile Equipment - Various Sites		401		401	C - 119
Replace Excavator - L'Anse au Loup		120		120	D - 128
TOTAL TOOLS AND EQUIPMENT	494	2,019	396	2,909	
TOTAL TRANSMISSION AND RURAL OPERATIONS	15,627	43,287	220,484	279,399	

PROJECT DESCRIPTION INFORMATION SYSTEMS	Expended to 2011	2012	Future Years (\$000)	Total	Page Ref
SOFTWARE APPLICATIONS New Infrastructure					
Perform Minor Application Enhancements - Hydro Place		123		122	D - 208
Cost Recoveries		(42)		(42)	D - 200
Implement Work Protection Safety Code Application - Hydro Place		116			D - 202
Upgrade of Technology		110		110	D - 202
Corporate Application Environment - Upgrade Microsoft Products	1,426	678		2,104	
Cost Recoveries	(428)	(203)		(631)	
Upgrade JD Edwards - Hydro Place	(420)	284	588	, ,	B - 60
Cost Recoveries		(97)	(200)	(296)	Б 00
Upgrade Energy Management System - Hydro Place		118	(200)	118	D - 200
Upgrade Microsoft Project - Hydro Place		91		91	D - 216
Cost Recoveries		(31)		(31)	2 220
Upgrade Creditron System - Hydro Place		38		38	
TOTAL SOFTWARE APPLICATIONS	999	1,075	388	2,461	•
COMPUTER OPERATIONS				,	ı
Infrastructure Replacement					
Replace Personal Computers - Various Sites		491		491	C - 194
Replace Peripheral Infrastructure - Various Sites		328		328	C - 199
Upgrade Enterprise Storage Capacity - Hydro Place		306		306	C - 210
Cost Recoveries		(104)		(104)	
Upgrade of Technology					
Upgrade Server Technology Program - Hydro Place		203		203	D - 195
Cost Recoveries		(31)		(31)	
Upgrade Computer Room - Hydro Place		122		122	D - 210
Cost Recoveries		(42)		(42)	
TOTAL COMPUTER OPERATIONS	0	1,273	0	1,273	
TOTAL INFORMATION SYSTEMS	999	2,347	388	3,734	

PROJECT DESCRIPTION	Expended to 2011	2012	Future Years (\$000)	Total	Page Ref
TELECONTROL					
NETWORK SERVICES					
Infrastructure Replacement					
Replace MDR 6000 Microwave Radio (West) - Various Sites	72	683		755	
Replace Radomes - Various Sites		172		172	D - 178
Upgrade Communication Services - Paradise River		98		98	D - 205
Purchase Tools and Equipment Less than \$50,000		85		85	
Network Infrastructure Replace Battery Banks and Chargers - Various Sites		881		881	B - 58
Replace Network Communications Equipment - Various Sites		522		522	B - 62
Upgrade of Technology					
Replace Telephone Systems - Port Saunders and Whitbourne		199		199	D -176
Upgrade Site Facilities - Various Sites		47		47	
TOTAL TELECONTROL	72	2,686	0	2,758	•
TRANSPORTATION					
Replace Vehicles and Aerial Devices (2011-2012) - Various Sites	2,351	639		2,989	
Replace Vehicles and Aerial Devices (2012-2013) - Various Sites		1,711	1,219	2,930	B - 56
TOTAL TRANSPORTATION	2,351	2,350	1,219	5,920	- -
ADMINISTRATION					
Remove Safety Hazards - Various Sites		249		249	C - 205
Purchase Tools and Equipment Less than \$50,000		132		132	
TOTAL ADMINISTRATION	0	381	0	381	-
TOTAL GENERAL PROPERTIES	3,421	7,765	1,607	12,792	-
					-

PROJECT DESCRIPTION	Expended to 2011	2012	Future Years (\$000)	Total	Page Ref
MAJOR OVERHAULS AND INSPECTIONS ¹					
Overhaul Diesel Units - Various Sites		974		974	B - 70
Overhaul Turbine/Generator Units - Granite Canal and Upper Salmon		457		457	C - 215
TOTAL MAJOR OVERHAULS AND INSPECTIONS	0	1,431	0	1,431	

² Capital Budget proposals after consideration of International Financial Reporting Standards (IFRIS) Requirements

	Expended to 2011	2012	Future Years	Total
		(\$00	00)	
THERMAL PLANT	0	11,069	14,276	25,345
MAJOR OVERHAULS AND INSPECTIONS	0	5,409	0	5,409
TOTAL CAPITAL BUDGET PHASE II	0	16,478	14,276	30,753

	Expended		Future		Page
PROJECT DESCRIPTION	to 2011	2012	Years	Total	Ref
			(\$000)		
THERMAL PLANT					
Rewind Generator Units 1 and 2 - Holyrood		112	11,789	11,901	B - 5
Upgrade Marine Terminal - Holyrood		5,860		5,860	B - 7
Replace Fuel Oil Heat Tracing - Holyrood		1,474	1,414	2,888	B - 9
Install Plant Operator Training Simulator - Holyrood		1,028	1,073	2,101	B -12
Upgrade Stack Breaching Unit 2 - Holyrood		1,505		1,505	B - 20
Upgrade Forced Draft Fan Ductwork Unit 2 - Holyrood		929		929	B - 23
Replace Beta Attenuation Monitoring Analyzers - Holyrood		161		161	D - 21
TOTAL THERMAL PLANT	0	11,069	14,276	25,345	•
MAJOR OVERHAULS AND INSPECTIONS ¹					
Overhaul Unit 1 Turbine - Holyrood		4,193		4,193	B - 66
Condition Assessment and Life Extension Phase 2 - Holyrood		1,216		1,216	B - 68
TOTAL MAJOR OVERHAULS AND INSPECTIONS	0	5,409	0	5,409	•

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³ Capital Budget proposals after consideration of International Financial Reporting Standards (IFRIS) Requirements