

**Newfoundland Power Inc.
Consulting Services
1997**

Operating

<u>Nature of Engagement</u>	<u>Cost</u>
<u>Regulatory Services</u>	
Innovative approaches to rate design	\$ 17,830
<u>Environmental Services</u>	
Asbestos audit	6,097
Environmental – pole yard assessment	5,502
<u>Engineering Services</u>	
Electrical system protection seminar	5,144
Heat pump installation	40,641
Dam safety inspections	9,500
<u>Human Resource Services</u>	
Employee assistance plan evaluation	8,000
Employee counseling	26,588
Employment search services	36,251
Employment surveys & consulting	9,568
Pension administration & planning	114,049
Re-employment counseling services	5,674
<u>Information Technology Services</u>	
Microsoft Outlook installation	7,760
Software consulting services	11,875
<u>Other</u>	
Conference Board of Canada On-line service	10,365
Financial & consulting services	5,625
Depreciation study – annual update	5,355
Customer research	82,995
Safety presentation	13,608
Others less than \$5,000	21,001
	\$ 443,428

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<u>Nature of Engagement</u>	<u>Cost</u>
<u>Engineering Services</u>	
Turbine efficiency - diesel generation review - Rose Blanche Brook Hydro project	\$ 87,179
Generation Impact Study - Re: NLH RFP	35,543
<u>Environmental Services</u>	
Rose Blanche Brook Hydro project	49,102
Soil testing- Pierre's Brook	6,620
Spill clean-up	5,317
<u>Information Technology Services</u>	
CIAC workflow application programming	92,721
CSS technical migration	188,308
Lotus Notes implementation	51,378
<u>Other</u>	
Others less than \$5,000	3,399
	\$ 519,567

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<u>Nature of Engagement</u>	<u>Cost</u>
<u>Regulatory Services</u>	
Consulting services - compensation	\$ 57,812
Cost of capital	205,056
Cost of service	42,481
Rate case support	40,000
Witness preparation	28,789
<u>Environmental Services</u>	
Environmental audits/ site assessments	162,113
<u>Engineering Services</u>	
Dam safety inspections	9,542
Engineering services – hydro plants	27,600
Workflow assessments	45,000
<u>Human Resource Services</u>	
Consulting services - pension	13,970
Financial planning seminars	5,157
<u>Information Technology Services</u>	
Y2K testing	10,010
Technical assessments & services - Oracle	45,224
Y2K consulting/PC support	13,500
Consulting - cash register system	12,500
<u>Other</u>	
Annual depreciation review	8,269
Conference Board of Canada On-line service	11,810
Customer/Market research	19,658
Filing fees	8,119
Media training	6,000
Others less than \$5,000	10,725
	\$ 783,335

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<u>Engineering Services</u>	
Bay Bulls Big Pond Dam	\$ 54,216
Diesel plant retirement	34,411
Generation Impact Study - Re: NLH RFP	10,622
Rose Blanche Brook Project	300,598
Surge tank inspections	41,775
<u>Information Technology Services</u>	
System upgrades - Y2K modifications	57,931
CSS technical migration & Y2K upgrade	255,908
CSS upgrades/enhancements	44,875
Desktop computer installations	83,176
Human Resources system upgrade	102,119
Internet development	32,458
Server infrastructure assessment	33,600
System upgrades - Y2K modifications	267,773
Technical consulting	17,320
<u>Environmental Services</u>	
Asbestos removal project	12,211
<u>Other</u>	
Others less than \$5,000	17,079
	<u>\$ 1,366,072</u>

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<u>Nature of Engagement</u>	<u>Cost</u>
<u>Regulatory Services</u>	
Witness preparation	\$ 13,973
Regulatory consulting	86,349
<u>Environmental Services</u>	
Compliance audits & ISO 14001 consulting	61,845
EMS audit	9,478
<u>Engineering Services</u>	
Dam safety inspections	28,377
Rose Blanche - fish habitat	62,343
<u>Human Resource Services</u>	
Consulting services - compensation	15,559
Consulting services – employee benefits	31,673
Consulting services - pensions	29,004
Financial planning services	9,264
<u>Information Technology Services</u>	
Research advisory/consulting	25,739
Y2K testing/database & PC support	200,496
<u>Other</u>	
Annual depreciation review	14,372
Conference Board of Canada On-line service	11,790
Customer/Market research	26,656
Others less than \$5,000	25,218
	\$ 652,136

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<u>Nature of Engagement</u>	<u>Cost</u>
<u>Engineering Services</u>	
Bay Bulls Big Pond Dam	\$ 8,222
Building design - system control center	54,036
Diesel plant retirements	40,809
Generation consulting services	5,889
Fuel shed retirements	21,430
Penstock welding inspection - Horse Chops	11,980
Rose Blanche fisheries valuation	15,614
Small hydro EMS assessment	6,838
Study distribution SCADA system	11,032
<u>Information Technology Services</u>	
CSS enhancements	187,640
HRIS enhancements/upgrade	65,872
Internet enhancements	29,820
IT disaster recovery	52,558
IT security review	16,818
PC software upgrades	101,547
Desktop computer installations	182,521
Power systems software conversion	38,578
Protective equipment & spill reporting system	51,000
Substation maintenance management system	100,097
System upgrades - Y2K modifications	64,915
<u>Other</u>	
Others less than \$5,000	19,845
	\$ 1,087,061

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<u>Nature of Engagement</u>	<u>Cost</u>
<u>Regulatory Services</u>	
Depreciation Study	\$ 69,055
<u>Environmental Services</u>	
EMS audit	15,022
Environmental assessment - Equipment Maintenance Centre	34,479
Poleyard remediation	458,112
<u>Engineering Services</u>	
Dam safety inspections	10,000
Environmental site assessment - diesel plants	5,915
Fisheries Study/Consulting	28,589
Hydrology study and engineering	220,050
Surge tank assessments	14,200
<u>Human Resource Services</u>	
Consulting services – employee benefits	18,140
Consulting services - pensions	13,340
Ergonomic Study	15,545
<u>Information Technology Services</u>	
Consulting/PC support	45,314
Database support	23,967
Intranet maintenance	21,850
Research advisory/consulting	25,500
Server infrastructure support	9,759
Software consulting services	141,371
Y2K consulting services	9,193
<u>Other</u>	
Conference Board of Canada On-line service	10,885
Route optimization	5,072
Others less than \$5,000	24,796
	\$ 1,220,154

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<u>Engineering Services</u>	
Diesel plant retirements	\$ 16,309
Fisheries habitat strategy	13,110
Fuel shed retirements	6,930
Generation consulting services	6,300
Geotechnical services	5,250
Power plant soil remediation - Lawn	6,945
Plant sanitation systems – design & specification	26,297
Retire utility sheds	21,493
Scada system security	17,630
Site remediation – retire penstock - Hors Chops	17,653
<u>Information Technology Services</u>	
Application enhancements - programming	114,047
Cognos/Oracle consulting & upgrade	142,443
Corporate reporting - programming	79,376
CSS enhancements	148,902
Desktop computer installations	115,413
HRIS enhancements	31,849
Internet enhancements	24,127
Intranet development - programming	23,918
Microsoft Exchange enhancements	11,442
<u>Other</u>	
Others less than \$5,000	22,876
	\$ 852,310

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<u>Nature of Engagement</u>	<u>Cost</u>
<u>Regulatory Services</u>	
Cost of service expert	\$ 93,609
Depreciation Study	88,395
Regulatory accounting expert	98,795
<u>Environmental Services</u>	
EMS audit	38,358
Environmental clean-up and audit	60,144
ISO 14001 registration	47,654
<u>Engineering Services</u>	
Dam safety inspections	8,964
Geotechnical inspections	6,896
Hydro system planning study	45,389
Vehicle noise study	6,480
<u>Human Resource Services</u>	
Consulting services - compensation	30,284
Consulting services – employee benefits	17,534
Human resource planning	10,000
<u>Information Technology Services</u>	
Consulting services - Oracle	8,228
Database consulting/ production & Internet support	327,463
Intranet maintenance	18,210
Research advisory/consulting	39,118
VMS consulting	6,720
<u>Other</u>	
Conference Board of Canada On-line service	9,987
Others less than \$5,000	15,827
	\$ 978,055

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<u>Nature of Engagement</u>	<u>Cost</u>
<u>Engineering Services</u>	
Asbestos removal	\$ 5,343
Diesel site remediation – Gander	60,084
Fish habitat monitoring	8,462
Geotechnical inspections	5,981
Renovate Grand Falls service bldg	6,307
Replace penstock - Cape Broyle	20,441
Service building HVAC improvements	7,376
Site Remediation – Steam Plant	42,931
<u>Information Technology Services</u>	
Application enhancements	221,050
Business support systems (BOSS) development & implementation	581,060
Cognos/Oracle upgrade	69,323
Desktop computer installations	55,476
Facilities management	7,708
Internet enhancements	87,345
Operations support system - programmer	8,625
Safety Management System implementation	8,408
Shared server infrastructure implementation	15,698
<u>Other</u>	
Others less than \$5,000	31,849
	\$ 1,243,467

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<u>Nature of Engagement</u>	<u>Cost</u>
<u>Regulatory Services</u>	
Consulting services - compensation	\$ 11,394
Cost of capital evidence	67,593
Cost of service expert	61,494
Depreciation Study	53,869
Regulatory accounting expert	29,433
Witness training	11,595
<u>Environmental Services</u>	
EMS audit	13,906
Environmental audit	46,855
ISO14001 verification	21,961
<u>Human Resource Services</u>	
Audiometric testing	8,970
Consulting services - compensation	16,290
Consulting services – employee benefits	6,172
Consulting services - pensions	8,790
<u>Information Technology Services</u>	
Database & production support - programming	127,356
Research advisory/consulting	31,173
<u>Other</u>	
Conference Board of Canada On-line service	10,920
Others less than \$5,000	9,917
	<u>\$ 537,688</u>

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<u>Engineering Services</u>	
Environmental assessments - St. John's diesel	\$ 7,249
Greenhill exhaust stacks design	14,157
Seal Cove retire penstocks – risk assessment	29,162
Site remediation – Steam Plant	8,340
Soil sampling penstock - Lockston	5,161
 <u>Information Technology Services</u>	
Application upgrades	191,921
Asset Management	53,849
Business support systems (BOSS) development & implementation	520,986
CSS upgrades	237,975
Hand held meter reading implementation	102,376
Infrastructure environment	27,555
Internet enhancements	5,000
Network infrastructure	54,822
Operations Support systems implementation	132,610
Desktop computer installations	112,980
SCADA infrastructure consulting - Unix	11,000
Shared server infrastructure implementation	52,801
WEB Enterprise Access - SCADA	49,923
 <u>Other</u>	
Others less than \$5,000	29,829
	\$ 1,647,696