

Generation Unit Capacities - By Unit as Modelled in Strategist - 2010

Existing

	Net Capacity MW		Net Capacity MW
<u>Newfoundland & Labrador Hydro</u>		<u>Newfoundland Power Inc.</u>	
<u>Bay d'Espoir</u>		<u>Small Hydro Units - consolidated</u>	
D'ESPOIR 1	73.0	NLP-H 1	14.1
D'ESPOIR 2	73.0	NLP-H 2	16.3
D'ESPOIR 3	73.0	NLP-H 3	15.5
D'ESPOIR 4	73.0	NLP-H 4	13.4
D'ESPOIR 5	73.0	NLP-H 5	14.7
D'ESPOIR 6	73.0	MOBILE 1	12.0
D'ESPOIR 7	154.0	ROSEBLAN 1	6.1
	<u>592.0</u>		<u>92.1</u>
<u>Upper Salmon</u>		<u>Combustion Turbines</u>	
U_SALMON 1	84.0	GASTURGH 1	18.0
		GASTURSP 1	12.5
<u>Hind's Lake</u>		GASTURMO 1	6.0
HINDS_LK 1	75.0		<u>36.5</u>
<u>Cat Arm</u>		<u>NL Hydro &</u>	
CAT_ARM 1	63.5	<u>Newfoundland Power combined</u>	
CAT_ARM 2	63.5	DIESEL 1 (21.7 MW)	
	<u>127.0</u>	- Hydro (14.5 MW) See NLH	
<u>Granite Canal</u>		- NP (7.0 MW)	7.0
G_CANAL 1	40.0		<u>135.6</u>
		Total NP	
<u>Paradise River, Venam's Bight, Snooks Arm & Roddickton MH</u>		<u>Corner Brook Pulp & Paper Ltd</u>	
PRSAVBM 1	9.3	DEERLK50 1	17.9
		DEERLK50 2	17.9
		DEERLK60 1	11.8
		DEERLK60 2	11.8
		DEERLK60 3	11.8
		DEERLK60 4	11.8
		DEERLK60 5	11.8
		DEERLK60 6	11.8
		DEERLK60 7	11.8
		WATSONBK 1	4.0
			<u>122.4</u>
		<u>Star Lake & Exploits Generation</u>	
		<u>Bishop's Fall Plant</u>	
		BISHOPS 1	13.6
		<u>Grand Falls Plant</u>	
		GRFALLS 1	45.5
		EXRP-IPP 1	32.1
<u>Holyrood</u>			
Holyrood 1	161.5		
Holyrood 2	161.5		
Holyrood 3	142.5		
	<u>465.5</u>		
<u>Hardwoods CT</u>			
GASTURHW 1	50.0		
<u>Stephenville CT</u>			
GASTURST 1	50.0		

Holyrood CT
GASTURHL 1 10.0

NL Hydro &
Newfoundland Power combined

DIESEL 1 (21.7 MW)
- Hydro (14.5 MW) 14.5
- NP (7.0 MW) *See NP*

Total NL Hydro Thermal 590.0

TOTAL NL HYDRO 1517.3

TOTAL INTERCONNECTED ISLAND 1956.5

HYDRONUG 1 (21.5 MW)
- Star Lake (17.0 MW) 17.0
- Rattle Brook (4.0 MW) *See NUGs*

Total S. L. & Exploits Gen 108.2

Non-Utility Generators

Corner Brook Co-Gen

CBPP-COG 1 15.0

St. Lawrence Wind

ST_L_Wnd 1 27.0

Fermeuse Wind

FERM_Wnd 1 27.0

HYDRONUG 1 (21.5 MW)

- Star Lake (17.0 MW) *See Star L.*
- Rattle Brook (4.0 MW) 4.0

Total NUGs 73.0

Future Options

Net Capacity
MW

25 MW Wind Farm - PPA

25_WIND 1 25

25 MW Wind Farm - Replacement

25_WD_R 1 25

St. Lawrence Wind Farm

- Replacement

27_ST_LR 1 27

Fermeuse Wind Farm

- Replacement

27_FM_R 1 27

Island Pond Hydro

ISLAND_P 1 36

Portland Creek Hydro

PORTLAND 1 23

Round Pond Hydro

ROUND_PD 1 18

Net Capacity
MW

HVdc Link

DCLINK_1 1 420.5

DCLINK_2 1 420.5

Combustion Turbine

GASTURNW 1 50

Combined Cycle

Combustion Turbine CCCT

Greenfield Units 1 & 2

CCGTGFLD 1 170

CCGTGFLD 2 170