

1 Q. Re: Production Net Salvage: Please identify the type and capacity of transmission
2 facilities connected to each of the Company's existing generating facilities.

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5 A. The following tables summarize the type and capacity of transmission facilities
6 connected to Hydro's generating facilities.

NLH Transmission Facilities Connected to Island Generating Stations							
Generating Station	Transmission Line			TL Rating – MVA for Ambient Temp			Comments
	ID	kV	Type	30 °C	15 °C	0 °C	
Bay d'Espoir	TL202	230	Steel	199.3	297.7	369.5	Interconnection planned for single transmission line outage
	TL204	230	Steel	248.6	376.9	469.6	
	TL206	230	Steel	199.3	297.7	369.5	
	TL231	230	Steel	248.6	376.9	469.6	
Cat Arm	TL247	230	Steel	246.8	374.4	466.6	Path limited to 175 MW for UFLS
	TL248	230	Steel	246.8	374.4	466.6	
Granite Canal	TL263	230	Hybrid	199.3	297.7	369.5	Path limited to 175 MW for UFLS
	TL234	230	Wood	248.6	376.9	469.6	
Hardwoods CT	TL201	230	Wood	175.5	260.2	322.2	Combustion turbine connected at 66 kV
	TL236	230	Steel	355.8	411.5	459.6	
	TL242	230	Steel	355.8	411.5	459.6	
Hawke's Bay	TL221	66	Wood	30.3	43.7	53.8	Diesel plant connected at 12.5 kV
Hinds Lake	TL243	138	Wood	89.1	130.8	161.7	Path limited to 175 MW for UFLS
Holyrood	TL217	230	Steel	341.8	411.5	459.6	Interconnection planned for single transmission line outage
	TL218	230	Wood	199.3	297.7	369.5	
	TL242	230	Steel	355.8	411.5	459.6	
Roddickton	L4	12.5	Wood	N/A	N/A	N/A	Hydro plant located in the Roddickton distribution system
Snook's Arm Venam's Bight	L3	25	Wood	N/A	N/A	N/A	Hydro plants located in the Bottom Waters distribution system on the Baie Verte Peninsula
St. Anthony	TL261	69	Wood	42.4	62.3	76.9	Diesel plant connected at 25 kV
Stephenville CT	TL209	230	Wood	199.3	297.7	369.5	Combustion turbine connected at 66 kV – TL209 limited to 175 MW for UFLS
Paradise River	TL258	25	Wood	16.1	23.7	29.3	
Upper Salmon	TL234	230	Wood	248.6	376.9	469.5	Path limited to 175 MW for UFLS
Notes:							
UFLS – Under frequency load shedding scheme							
Hybrid – tangent structures wood poles with steel cross arms, heavy angle structures/dead ends steel towers							

NLH Transmission Facilities Connected to Labrador Generating Stations							
Generating Station	Transmission Line			TL Rating – MVA for Ambient Temp			Comments
	ID	kV	Type	30 °C	15 °C	0 °C	
Happy Valley CT	TL240	138	Wood	89.1	130.8	161.7	Combustion turbine connected at 25 kV – path limited to 63 MW due to voltage constraints
North Side Diesel Plant	L7 L11	25 4.16	Wood Wood	N/A	N/A	N/A	Diesel Plant connected to local distribution system in Happy Valley
Mud Lake Diesel	N/A	N/A	N/A	N/A	N/A	N/A	100 kW emergency diesel for loss of single phase power cable across Churchill River. Three phase diesel cannot operate in parallel with the Labrador Interconnected System due to single phase connection to Happy Valley.

- 1 Hydro diesel plants in isolated systems are connected to the respective isolated
- 2 distribution system via a substation to increase voltage from generator operating
- 3 (i.e. 600 V) voltage to distribution system voltage (i.e. 4.16 kV, 12.5 kV).