

1 Q. **Reference: Application**

2 For each Island Industrial customer, please identify the following with respect to its point of
3 supply:

- 4 a) The transmission lines serving the customer’s substation, including designation (e.g.,
5 Line 5L), voltage level, and transfer capacity,
- 6 b) The substation serving the customer including designation and number of customers
7 served by the substation (in addition to the Island Industrial customer).
- 8 c) The transformers at the substation serving the customer and any other customers
9 including designation, voltage level, maximum loading, and number of customers served
10 by the transformer (in addition to the Island Industrial customer). If more than one
11 transformer, please indicate if each transformer is capable of carrying the full load of
12 the substation.
- 13 d) A single line diagram showing the customer’s connection facilities.

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16 A. a) The transmission lines serving each Industrial customer, including designation, voltage level,
17 and transfer capacity is provided in Table 1.¹

¹ Includes Island Industrial Customers currently in service – does not include Marathon Gold.

Table 1: Transmission Lines – Industrial Customers

Customer	Transmission Line	Voltage Level	Transfer Capacity²	Assignment
Braya Renewable Fuels, Newfoundland	No dedicated transmission line. Served by TL237 and TL207 via Come By Chance (CBC) Terminal Station	230 kV	N/A	Common
Vale	TL208	230 kV	0 Degree Rating: 369.5 MVA 15 Degree Rating: 297.7 MVA 30 Degree Rating: 199.3 MVA	Vale
Teck Resources Limited	TL264	66 kV	0 Degree Rating: 53.8 MVA 15 Degree Rating: 43.7 MVA 30 Degree Rating: 30.3 MVA	Teck Resources Limited
Corner Brook Pulp and Paper Limited / Deer Lake Power	No dedicated transmission line. Served by TL211, TL233, and TL228 via Massey Drive (MDR) Terminal Station	230 kV	N/A	Common

² Transfer capacity may be further limited by system conditions, such as voltage limitations.

- 1 **b)** The terminal station serving each Industrial customer, including designation and number of
2 customers served in addition to the Industrial customer is provided in Table 2.³

Table 2: Terminal Station – Industrial Customers

Customer	Terminal Station	Customers Served (excluding Industrial Customer)	Assignment
Braya Renewable Fuels, Newfoundland	CBC	0. Part of 230kV system serving Island Interconnected System.	Braya Renewable Fuels, Common
Vale	Voisey’s Bay Nickel (VBN)	0	Vale
Teck Resources Limited	Duck Pond Mine (DPD)	0	Teck Resources Limited
Corner Brook Pulp and Paper Limited / Deer Lake Power	MDR	1 (Newfoundland Power). Part of 230kV system serving Island Interconnected System.	Newfoundland Power, Common, Corner Brook Pulp and Paper Limited (Metering Only)

- 3 **c)** The transformer(s) serving each Industrial customer, including designation and number of
4 customers served in addition to the Industrial customer is provided in Table 3.⁴ Also
5 included is whether the transformer is capable of serving the full Industrial customer load, in
6 cases where the customer has dedicated power transformer(s).

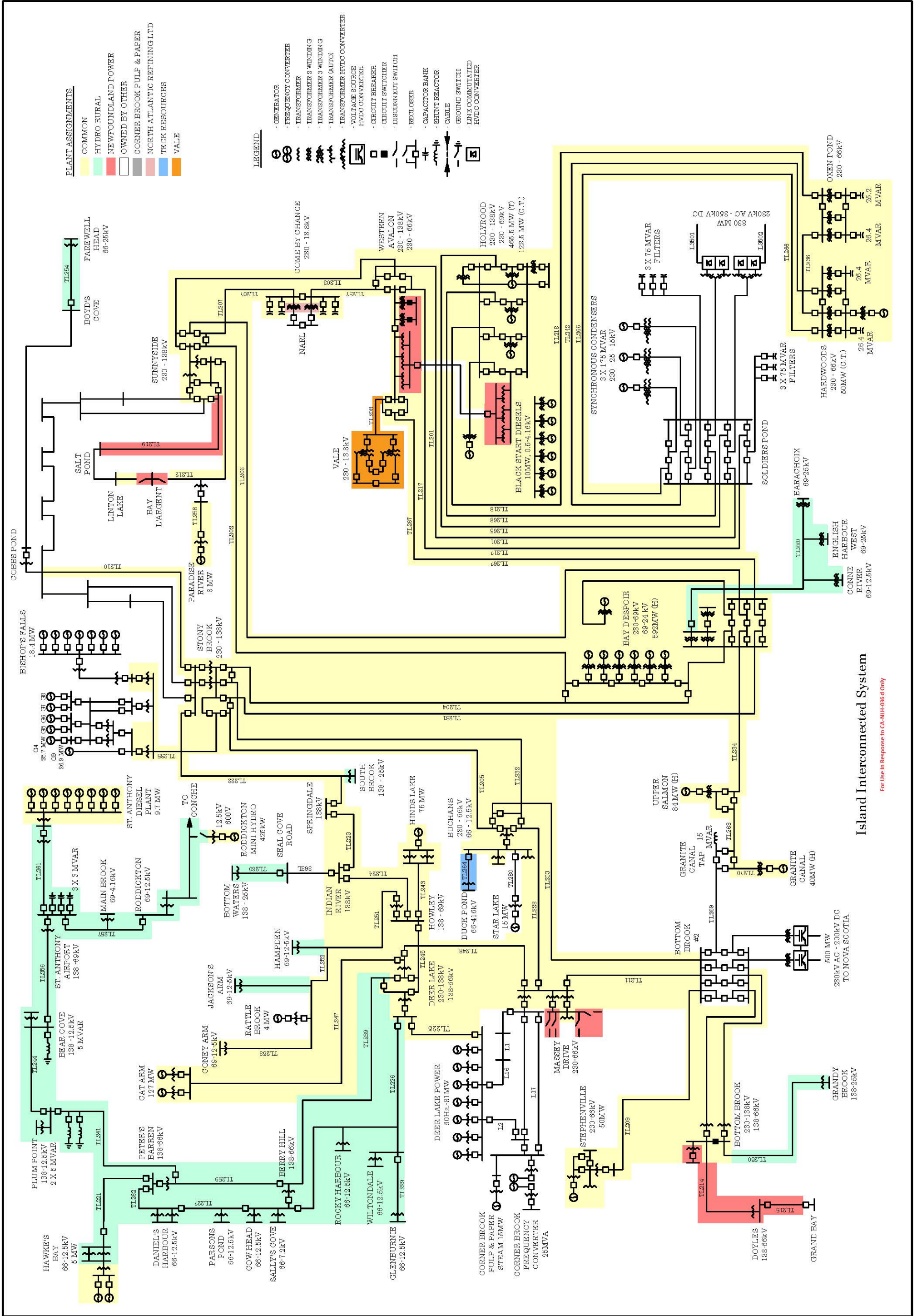
Table 3: Transformer – Industrial Customers

Customer	Transformer	Customers Served (excluding Industrial Customer)	Capable of Serving Full Industrial Customer Load	Assignment
Braya Renewable Fuels, Newfoundland	CBC T1, T2	0	Yes	Braya Renewable Fuels
Vale	VBN T1, T2	0	Yes	Vale
Teck Resources Limited	DPD T1	0	Yes	Teck Resources Limited
Corner Brook Pulp and Paper Limited / Deer Lake Power	No dedicated transformer. Served by MDR T1, T2, and T3	1 (Newfoundland Power), part of 230kV system serving Island Interconnected System.	N/A	Common

³ Includes Island Industrial Customers currently in service – does not include Marathon Gold.

⁴ Includes Island Industrial Customers currently in service – does not include Marathon Gold.

- 1 **d)** Please refer to CA-NLH-036, Attachment 1.



Island Interconnected System

For Use in Response to CA-NLH-036 d Only