

1 **Q. (Reference Application)**
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3 **Please provide correspondence between NP and NL Hydro and other utilities**
4 **concerning the availability of suitable spares for the MUN Substation power**
5 **transformer.**
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7 A. Newfoundland Power did not correspond with Newfoundland and Labrador Hydro
8 (“Hydro”) or other utilities regarding the availability of a spare specifically to replace
9 power transformer MUN-T2.

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11 Hydro provided a list of its spare distribution power transformers to Newfoundland
12 Power in May 2022. None of Hydro’s units have the voltage, winding configuration, and
13 capacity required to replace power transformer MUN-T2. The specifications for MUN-T2
14 are 15/20 MVA, 66-12.5 kV, Delta-Wye grounded winding configuration.
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16 Table 1 provides the list of Hydro’s spare distribution power transformers.

Table 1 Hydro’s Spare Distribution Power Transformers					
XFMR ID	HV	Primary LV	Secondary LV	Capacity (MVA)	Winding Configuration
Bishop Falls	138	66	33	10/13.33/16.67	Yg - Yg - delta
Bishop Falls	69	25		5/6.7/8.3	Yg - delta
Bishop Falls	69	25		5/6.7/8.3	delta – Yg
Bishop Falls	69	7.2		0.167	1 phase
Main Brook	69	4.16		1.5	delta – Yg
Mobile (P2)	132	24.94	12.47	15	Yg – Yg
Mobile (P2)	66	24.94	12.47	15	Yg - Yg
Mobile (P2)	132	66		15	Yg - Yg (Auto)
Mobile (P2)	66	33		7.5	Yg - Yg (Auto)
Rocky Harbour	69	14.4	7.2	0.167	delta – Yg
Roddickton GT1	69	4.16		5/6.7/8.3	Yg - delta