

- 1 **Q. How many of Newfoundland Power's 130 substations have more than one power**
2 **transformer? What is the range of transformer kVA sizes used in the Company's**
3 **substations?**
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- 5 A. Newfoundland Power has 29 substations with more than one power transformer.¹
6 Transformer kVA ratings of these transformers range from 1.0 MVA to 50 MVA.²
7 Within the 29 substations, there are 24 sets of transformers that can provide partial or full
8 redundancy in the event of failure of either transformer within each set.
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- 10 The Company also has 4 portable substations that are used to bypass substation power
11 transformers to facilitate maintenance, to permit capital improvements and to restore
12 power in the event of a substation power transformer failure.³
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- 14 See the response to Request for Information PUB-NP-274 for further information on
15 Newfoundland Power's power transformers.

¹ This does not include transformers that are used to increase the voltage of energy produced from Newfoundland Power's plants. Of the 29 substations that have more than one transformer that serve customer load, 13 are in the St. John's area.

² As part of the 2014 Capital Budget the Company will be installing a 50 MVA 66kV/25kV transformer at Hardwoods substation.

³ See the response to Request for Information PUB-NP-188 for information on Newfoundland Power's portable substations.