

1 **Q. (Reference CA-NP-091) The response indicates that Gambo Substation serves**
2 **4870 customers. What change in the number of customers served would result**
3 **in a change in the consequence value from 4, or "serious"? How likely is a**
4 **change of this magnitude likely to occur in the next 10 years?**
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6 A. Gambo ("GAM") Substation serves approximately 1,370 customers and an additional
7 3,500 customers that rely on radial Transmission Line 115L from GAM Substation, for a
8 total of approximately 4,870 customers.¹
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10 Newfoundland Power's risk matrix methodology provides guidelines for determining
11 consequence values when evaluating the consequence of not proceeding with an
12 identified project or program. The guidelines indicate that for a reliability consequence,
13 the number of customers affected by a potential outage is the main factor for
14 determining the consequence value. In the case of GAM Substation, an outage to the
15 substation would result in approximately 4,870 customers experiencing an outage. This
16 results in a consequence value of four (serious - 1,000 to 5,000 customers affected).
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18 In order to change the consequence value from four, the number of customers affected
19 by an outage would have to either decrease by approximately 3,870 to move to a
20 consequence value of three (moderate), or increase by approximately 130 to move to a
21 consequence value of five (critical).
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23 Based on a reduction in customers of 3,870 necessary to reduce the consequence to
24 three, this change is not likely to occur in the next 10 years. An increase of 130
25 customers, or 3%, is more likely. This would change the consequence from a value of
26 four to five (critical).

¹ See Newfoundland Power's 2024 Capital Budget Application, Schedule B, pages 61 and 62.