

- 1 **Q. Provide the number, kilometers, and voltages of underground transmission lines.**
2 **Provide the length of underground mainline distribution feeders and the length of**
3 **URD cable on the system. Where does Newfoundland Power typically use**
4 **underground transmission, distribution, and URD?**
5
- 6 A. Four of Newfoundland Power's 66 kV transmission lines have underground sections that
7 have a total length of approximately 3 km. Newfoundland Power also has approximately
8 45 km of mainline underground distribution and approximately 65 km of URD cable in
9 its system.
10
- 11 Underground transmission and distribution systems are typically installed in locations
12 where overhead aerial construction is not practical due to property restrictions or
13 congestion of equipment and/or buildings such as the exiting of substations located in
14 urban areas. URD installations are typically requested by a subdivision developer who
15 wishes to provide underground distribution service to a housing development within the
16 subdivision. In this case the subdivision developer is required to pay a contribution of the
17 cost of installation as per the Contribution in Aid of Construction (CIAC) policy.