

- 1 **Q. How often are infrared inspections conducted in Newfoundland Power's**
2 **substations? Does the Company conduct infrared inspections on any transmission**
3 **and distribution equipment outside of substations?**
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- 5 A. Infrared inspections are performed annually in all substations. Inspections are normally
6 done in the first quarter to allow time for repairs to be made over the upcoming
7 construction season. If issues were noted in the first quarter that did not warrant
8 immediate repair, the component in question is rescanned in the late fall to determine if
9 the assessment should change. This allows necessary repairs to be made before the
10 upcoming winter peak period. Scans are also carried out for quality assurance purposes
11 following completion of capital construction projects.
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- 13 Infrared inspections are completed annually on all major distribution equipment,
14 including voltage regulators, reclosers, sectionalizers, capacitors, and associated switches.
15 The primary connections, and cutouts, along the trunk feeder primary system are
16 inspected once every seven years, in coordination with distribution line inspections.
17
- 18 For transmission lines, and for distribution equipment beyond the main trunk lines, there
19 is no regular program of infrared inspections. Infrared inspections are typically carried
20 out on those parts of the electric system only when necessary to identify the source of a
21 problem that is not otherwise apparent.