

1 Q. **Volume III, Tab 17 – Insulator Replacement TL203**

2 Do any other utilities use high resolution cameras for the inspection of insulator
3 pins? If so, which utilities?
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5 A. Transmission Line Asset Management Interest Group, Centre for Energy
6 Advancement through Technological Innovation (CEATI), conducted a survey among
7 22 utilities to assess various methods used in the condition assessment of
8 insulators. The utilities that took part were located all around the globe but mostly
9 from North America, including Atlantic Canadian utilities Nova Scotia Power Inc.,
10 New Brunswick Power and Newfoundland and Labrador Hydro.

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12 Based on the survey, it was reported that visual inspection is the most common
13 inspection technique for all types of line insulators. This may include cameras,
14 binoculars, telescopes or any other visual enhancing instruments. The results of the
15 survey did not provide the level of detail on specific tools each utility uses to
16 enhance its visual inspection and therefore, we cannot provide specifically what
17 utilities use high resolution cameras.

18
19 The study also indicates that 50% of utilities believe that visual inspection is the
20 most reliable in different environmental conditions and provides an accurate
21 assessment of insulator condition.