

1 Q. Please provide details on any transmission line capacity upgrades and
2 capacitor additions on the 230 kV East Coast System from 1996 to current
3 that were required to meet loading levels outside the winter peak period.
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6 A. In 1999 Hydro replaced the 14.4 MVAR capacitor bank at Hardwoods
7 Terminal Station with a new 26.4 MVAR bank and added a second 26.4
8 MVAR bank at this station. As well, the existing 20 MVAR capacitor bank at
9 Oxen Pond Terminal Station was increased to 25.2 MVAR and a new 26.4
10 MVAR capacitor bank added. These capacitor additions provided the
11 necessary voltage support to the 230 kV East Coast System in order to
12 utilize the existing transmission system transfer capability and reduce
13 generation at Holyrood Thermal Generating Station during the spring and fall
14 periods.
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16 Between 1998 and 2002 Hydro completed upgrades to the steel structure
17 transmission lines on the Avalon Peninsula. The Avalon Transmission
18 Upgrade Program served to increase both the reliability and transfer capacity
19 of the 230 kV transmission system on the Avalon Peninsula. These
20 upgrades, combined with the ongoing thermal uprating of TL203 (Sunnyside
21 to Western Avalon), will enable Hydro to maximize the use of its hydraulic
22 resources throughout the year.