

1 **Q. *Re: Tab 1.4 - Pitmans Pond Hydro Plant Replacement – Gate Positioner***

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3 **How long has the Gate Positioner been considered obsolete? When did the**
4 **manufacturer cease supporting the Gate Positioner?**

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6 A. The controls for the Pitmans Pond gate positioner were manufactured by the Igranic
7 Electric Co. Ltd. of Bedford England. In 1960 the company joined with a switchgear
8 manufacturer and discontinued the business of manufacturing specialized control
9 equipment such as gate positioners. According to documentation provided by the
10 original equipment manufacturer the Pitmans Pond model of gate positioner has not been
11 manufactured since the early 1960s, with support ceasing shortly thereafter.

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13 Replacement of the Gate Positioner is critical to the refurbishment and life extension of
14 Pitmans Pond plant. It will facilitate the implementation of a water management system
15 that will optimize the available water to increase the energy output from the Pitmans
16 Pond plant. In addition, the water management system at New Chelsea plant will be
17 modified to incorporate information from Pitmans Pond water management system to
18 further optimize production from New Chelsea plant.

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20 The Company has completed refurbishment projects at 12 of its hydro plants. In each of
21 these projects antiquated protection and control systems have been replaced with current
22 technology. Upgrading antiquated equipment that was originally supplied over 50 years
23 ago, with modern technology, has allowed the Company to continue to maintain and
24 efficiently operate the hydro plants.