

1 Q. **Re Replace Programmable Logic Controllers, page B- 6**

2 What elements of this Project will no longer have continuing utility, will have
3 limited continuing utility, or will require substantial retrofitting, if Holyrood is
4 converted to synchronous condenser operations upon in service of the HVDC
5 infeed?

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8 A. The project involves the replacement of the Programmable Logic Controllers on the
9 following with Foxboro Distributed Control System controllers: a) Burner
10 Management Systems for Units 1 and 2, b) Water Treatment Plant, c) Waste Water
11 Treatment Plant, d) Warm Air Makeup system.

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13 If Holyrood is converted to synchronous condenser operation, the controllers for
14 the Burner Management Systems will not be required as this system will be out of
15 service. The Water Treatment Plant will be in service to process water for cooling
16 systems and the controller will be required. The controller for the Waste Water
17 Treatment Plant will be required as the treatment plant will remain in service to
18 process waste water such as runoff from the landfill. The controller for the Warm
19 Air Makeup system will be required as portions of this system will remain in service.
20 It is Hydro's intention to keep Holyrood fully operational for two to three years
21 after the HVdc infeed with conversion thereafter to a synchronous condenser plant.
22 Therefore, all controllers will be required for this period.