

1 Q. What are the “other environmental improvements at Holyrood”? What was
2 the cost of each and why was it done?

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5 A. The “other environmental improvements at Holyrood” refers to the following:

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7 (a) Ambient Air Monitoring Program – Hydro in 1995 enhanced its
8 program of monitoring the ambient concentration of Sulphur Dioxide
9 (SO₂) and Particulate Matter. In 1997 Hydro installed a
10 meteorological station near the plant in order to do dispersion
11 modeling of emissions and to assist in identifying future operating
12 problems. This was done as part of regulatory requirements for plant
13 operation. The total purchased and installation cost of the equipment
14 is approximately \$354,000. The annual operating cost is
15 approximately \$73,000.

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17 (b) Controlled Waste Landfill – In 1999 Hydro initiated the building and
18 operation of a controlled waste landfill. This was done for the reasons
19 outlined on 14 to 18 on page 5 of R. J. Henderson’s evidence. It cost
20 approximately \$976,000 to develop this facility. It cost \$60,000 in
21 2000 to operate.

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23 (c) Creation of a Community Liaison Committee – In 1998 this committee
24 was formed with members from the town councils of Conception Bay
25 South and Holyrood, the Provincial Department of Environment and
26 Lands, the Regional Community Health Board, the IBEW union and
27 Holyrood generating Station management. This was initiated to have

1 better communications between Hydro and the stakeholders in its
2 environmental performance. The estimated annual cost is \$5,000.

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4 (d) ISO 14001 Environmental Management System – In 1998 an
5 Environmental Management System (EMS) conforming to the ISO
6 14001 standard was developed. The reasons in addition to those
7 outlined on page 21, lines 12 to 28 of W. E. Wells evidence are as
8 follows:

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- 10 • better control and management of environmental issues;
- 11 • establishment of comprehensive due diligence with respect to
12 environmental aspects;
- 13 • cost effective implementation of environmental management
14 programs which is emphasized and promoted;
- 15 • budgets for remediation, abatement and prevention of
16 environmental aspects are directed towards the areas of
17 greatest concern first;
- 18 • specifically in the case of Holyrood the unit efficiency
19 environmental management program is an environmental
20 initiative that has seen positive improvements in the unit
21 efficiency.

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23 It is estimated to cost approximately \$290,000 (excluding internal staff
24 time) per year to maintain Hydro's commitment to this system at
25 Holyrood.