Q. What has been the loss in sales, incremental labour costs and replacement
fuel costs, if any, in each year between 1998 and 2002 as a result of Hydro's
UFLS events. (JRH p. 17, line 18)

A. Underfrequency load shedding events have resulted in some lost energy sales over 1998 to 2002. The following is the estimated unsupplied energy by year.

Underfrequency Load Shedding Events Unsupplied Energy (kWh)		
1998	340,000	
1999	195,000	
2000	72,000	
2001	139,000	
2002	162,000	

It should be noted that the lost energy sales does not result in a direct revenue loss due to the effect of the RSP for customer load variations.

Detailed records on the direct incremental labour costs for underfrequency load shedding events are not maintained. However, a search of available information indicates that the cost is approximately \$20,000 to \$25,000 per year.

There are two components of incremental fuel costs. One is additional fuel at Holyrood to restart the unit following a trip and the second is gas turbine fuel when gas turbines are used to replace the unit which tripped.

The incremental fuel cost estimates are as follows: 1

	Holyrood	Gas Turbines	Total
1998	\$ 1,000	\$26,000	\$27,000
1999	\$ 4,000	\$ 9,000	\$13,000
2000	\$ 1,500	\$ 0	\$ 1,500
2001	\$13,000	\$ 6,000	\$19,000
2002	\$11,000	\$ 0	\$11,000