

1 Q. Please explain why Unit 3 was only loaded to 68 MW at the time of the trip at 0413
2 hrs. January 11, 2013.

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5 A. Holyrood units are loaded throughout the day to meet the system demands. When
6 the system demand is lower overnight, the Energy Control Centre will reduce the
7 load on each Holyrood unit. Due to potential equipment damage as a result of
8 cycling operations, the units cannot be shut down and restarted on a daily basis.
9 Therefore, the unit loading is reduced to minimum levels overnight. The minimum
10 level is approximately 70 MW.

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12 This approach also has favourable cost and environmental impacts. By reducing
13 loading, the fuel consumption on each unit is reduced, hence reducing costs. The
14 reduced loading also minimizes emissions from the plant.

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16 The following table shows a typical loading pattern of Holyrood to meet system
17 requirements throughout the day.

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Table 1: Holyrood Unit Production (MW) – January 10, 2013

Time	Holyrood Unit 1	Holyrood Unit 2	Holyrood Unit 3	Total System Load (MW)
1:00	70	67	69	963
2:00	70	67	70	964
3:00	70	67	70	971
4:00	70	67	70	980
5:00	70	67	70	994
6:00	70	67	70	1053
7:00	100	100	100	1154
8:00	120	119	119	1229
9:00	120	119	119	1226
10:00	120	119	119	1234
11:00	120	119	119	1231
12:00	120	118	119	1236
13:00	130	131	129	1235
14:00	130	131	129	1217
15:00	130	131	129	1222
16:00	130	131	129	1265
17:00	150	144	150	1338
18:00	150	144	149	1255
19:00	130	130	129	1214
20:00	120	119	120	1165
21:00	100	99	100	1131
22:00	79	78	79	1081
23:00	70	70	73	1001
24:00	70	69	72	932