

1 Q. Further to response to Requests for Information IC-NLH-064 and IC-NLH-093:
2 Please quantify the expected impact on the Holyrood Fuel Conversion factor
3 associated with each Holyrood plant efficiency initiative described in IC-NLH-064
4 and IC-NLH-093.

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7 A. The following completed initiative, previously described in IC-NLH-064, has a
8 quantified expected impact on the Holyrood net fuel conversion factor.

Initiative

Upgrade Unit 3 Air Preheater Steam Condensate System

| | |
|--|-------|
| Estimated Fuel Savings (bbls - annually) | 3,166 |
|--|-------|

| | |
|--|-------|
| 2013 Test Year Holyrood Production (GWh) | 1,127 |
|--|-------|

| | |
|---|-----------|
| No. 6 Fuel Usage without Initiative (bbl) | 1,845,278 |
|---|-----------|

| | |
|-----------------------------|------------|
| Conversion Factor (kWh/bbl) | 611 |
|-----------------------------|------------|

| | |
|--|-------|
| 2013 Test Year Holyrood Production (GWh) | 1,127 |
|--|-------|

| | |
|--|-----------|
| No. 6 Fuel Usage with Initiative (bbl) | 1,842,112 |
|--|-----------|

| | |
|-----------------------------|------------|
| Conversion Factor (kWh/bbl) | 612 |
|-----------------------------|------------|

9 The benefit of another project – *Variable Frequency Drives on Forced Draft Fans*, is
10 not expected to be realized until the late 2014 or early 2015 time frame. Following
11 is an estimate of the benefit of this initiative.

Initiative

Installation of Variable Frequency Drives on Forced Draft Fans

| | |
|---|------------|
| Estimated Fuel Savings (bbls - annually) | 34,815 |
| 2015 Forecast Holyrood Production (GWh) | 1,629 |
| No. 6 Fuel Usage without Initiative (bbl) | 2,631,843 |
| Conversion Factor (kWh/bbl) | 619 |
| 2015 Forecast Holyrood Production (GWh) | 1,629 |
| No. 6 Fuel Usage with Initiative (bbl) | 2,597,028 |
| Conversion Factor (kWh/bbl) | 627 |

1 The other items described in IC-NLH-064 and IC-NLH-093 are either not quantifiable
2 or have no impact on station service or the fuel conversion factor.