

1 **UNDERTAKING J13.1**

2
3 **Undertaking**

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5 TO ADVISE WHETHER THE TARGETS THAT WERE SET IN THE PHASE 2
6 SCOTTMADDEN REPORT WERE IN OPG'S BUSINESS PLANS FILED IN 2009.

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10 **Response**

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12 Yes, with three exceptions, the 2014 targets that were set out in ScottMadden Phase 2
13 Report (EB-2010-008, Ex. F5-1-2, p. 16 of 64) and the 2014 targets set out in OPG's
14 2010-2014 Business Plan (EB-2010-0008, Ex. F2-1-1, Attachment 1, p. 10) are the
15 same.

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17 The exceptions are:

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19 • Darlington WANO NPI: ScottMadden Report (98.6); OPG Business Plan (99.1)
20 • Darlington 1 year Online Elective Maintenance: ScottMadden (218); OPG
21 Business Plan 214)
22 • Darlington 1-year Online Corrective Maintenance: ScottMadden (5); OPG
23 Business Plan (4)

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25 The exceptions arose due to the timing of the Phase 2 work undertaken by
26 ScottMadden and the finalization of the OPG 2010-2014 Business Plan. In June 2009,
27 as part of the target setting process, ScottMadden provided assistance that enabled
28 OPG site and support units to set initial 2014 operational and financial targets.
29 Subsequently, after Phase 2 was complete, OPG finalized its operational and financial
30 targets in the 2010-2014 Business Plan dated November 19, 2009.

UNDERTAKING J13.11

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3 **Undertaking**
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5 To provide the average cost of capacity per unit assumed in OPG Net Benefit Analysis.
6 To provide an actual cost of capacity included in analysis (the number equivalent to the
7 IESO's \$800M), on a best efforts basis (i.e. rate and total).
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10 **Response**
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12 The average cost of replacement capacity per unit assumed in OPG's economic
13 assessment of Pickering Extended Operations was \$113.5/kW-year. This is based on
14 the assumption that incremental capacity is provided by single-cycle gas turbines.
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16 The total cost of replacement capacity reflected in OPG's economic assessment is
17 approximately \$775M (\$2015 net present value).

UNDERTAKING J13.12

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Undertaking

To provide assumptions in OPG net benefit analysis relating to availability on peak for Pickering and gas facilities (i.e., did OPG assume same availability between gas and Pickering or otherwise).

Response

Please see response to Undertaking J13.13.

UNDERTAKING J13.13

Undertaking

To provide a side-by-side comparison between OPG's availability on peak assumptions against the IESO's assumptions on these values, on a best efforts basis.

Response

OPG's and IESO's assumptions for availability at summer peak are shown in Chart 1.

Chart 1

	OPG	IESO
Pickering	100%	99%
Single Cycle Gas Turbine	100%	n/a
Combined Cycle Gas Turbine	72% - 89%	n/a
Natural gas	n/a	89%
Source	J15.1	JT 1.17H, #7

UNDERTAKING J13.14

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Undertaking

To provide OPG's calculated equivalent Forced Outage Rate on demand for gas and nuclear, and if not, to please advise the Panel on how long it would take to calculate on best efforts basis.

Response

As described at Tr. Vol. 14, pp. 77-78, OPG does not calculate the equivalent forced outage rate on demand and doing so would require a new modeling effort and additional data.