

1 **UNDERTAKING J12.8**

2
3 **Undertaking**

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5 Please provide in table format the Actual Planned Outage Days and OPG's Forecast of
6 Planned Outage Days for the period 2008 to 2016. Please provide this information
7 separately for PNGS and DNGS and by unit.
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11 **Response**

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13 Actual planned outage days and OPG's forecast of planned outage days for the period
14 2008 to 2016 by station and by unit are provided in Attachment 1. For completeness,
15 Attachment 1 also includes forced extensions to planned outages ("FEPO"). The
16 forecast values in Attachment 1 reflect the OPG Business Plan underpinning OPG's
17 OEB-approved rates.
18

19 OPG has determined that there is an error in the reported 2012 actual Pickering
20 planned outage days in EB-2013-0321. There were 326.1 planned outage days, not
21 352.3 as reported in EB-2013-0321, Ex. E2-1-2 Table 1.

Actual Versus Planned Forecast By Operating Unit 2008-2021

Operating Unit	2008 Forecast	2008 Actual	2009 Forecast	2009 Actual	2010 Forecast	2010 Actual	2011 Forecast	2011 Actual	2012 Forecast	2012 Actual	2013 Forecast	2013 Actual	2014 Forecast	2014 Actual	2015 Forecast	2015 Actual	2016 Forecast	2016 Actual
Darlington Unit 1																		
PO Days (excludes Refurb)	75.1	69.1	31.5	30.1	0.0	0.0	62.8	60.3	0.0	0.0	0.0	0.0	81.4	77.4	47.5	72.0	0.0	0.0
FEPO Days	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
Total	75.1	69.1	31.5	30.1	0.0	0.0	62.8	60.3	0.0	0.0	0.0	0.0	81.4	77.4	47.5	73.8	0.0	0.0
Darlington Unit 2																		
PO Days (excludes Refurb)	0.0	0.0	32.0	32.0	62.3	61.7	0.0	0.0	0.0	6.8	77.9	77.9	0.0	2.8	51.5	50.3	0.0	0.0
FEPO Days	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.0	32.0	35.2	62.3	61.7	0.0	0.0	0.0	6.8	77.9	97.6	0.0	2.8	51.5	50.3	0.0	0.0
Darlington Unit 3																		
PO Days (excludes Refurb)	0.0	0.0	79.5	79.5	0.0	4.9	0.0	0.0	70.9	56.8	0.0	0.0	0.0	0.0	95.8	95.8	20.0	22.4
FEPO Days	0.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0
Total	0.0	0.0	79.5	87.2	0.0	4.9	0.0	0.0	70.9	56.8	0.0	0.0	0.0	0.0	95.8	101.6	20.0	22.4
Darlington Unit 4																		
PO Days (excludes Refurb)	0.0	0.0	28.7	28.7	56.5	56.5	0.0	0.0	0.0	0.0	66.5	66.5	0.0	11.8	50.8	48.8	91.0	87.7
FEPO Days	0.0	0.0	0.0	1.0	0.0	13.9	0.0	0.0	0.0	0.0	0.0	20.1	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.0	28.7	29.7	56.5	70.4	0.0	0.0	0.0	0.0	66.5	86.6	0.0	11.8	50.8	48.8	91.0	87.7
Total Darlington NGS																		
PO Days (excludes Refurb)	75.1	69.1	171.7	170.3	118.8	123.0	62.8	60.3	70.9	63.7	144.4	144.4	81.4	92.0	245.6	266.9	111.0	110.1
FEPO Days	0.0	0.0	0.0	11.9	0.0	13.9	0.0	0.0	0.0	0.0	0.0	39.8	0.0	0.0	7.7	0.0	0.0	0.0
Total	75.1	69.1	171.7	182.2	118.8	137.0	62.8	60.3	70.9	63.7	144.4	184.2	81.4	92.0	245.6	274.6	111.0	110.1
Pickering Unit 1																		
PO Days	0.0	0.0	0.0	0.0	98.0	98.0	0.0	0.0	106.3	106.3	0.0	0.0	20.0	0.0	101.7	128.4	33.7	0.0
FEPO Days	0.0	1.1	0.0	0.0	0.0	12.3	0.0	0.0	0.0	9.9	0.0	109.7	0.0	0.0	0.0	17.3	0.0	0.0
Total	0.0	1.1	0.0	0.0	98.0	110.3	0.0	0.0	106.3	116.2	0.0	109.7	20.0	0.0	101.7	145.7	33.7	0.0
Pickering Unit 4																		
PO Days	67.0	0.0	74.0	74.0	47.0	46.5	80.9	80.9	0.0	18.0	99.5	20.0	85.3	85.3	28.0	0.0	107.8	107.8
FEPO Days	0.0	0.0	0.0	32.5	0.0	0.0	0.0	6.8	0.0	7.4	0.0	4.5	0.0	34.3	0.0	0.0	0.0	31.9
Total	67.0	0.0	74.0	106.5	47.0	46.5	80.9	87.7	0.0	25.4	99.5	24.5	85.3	119.6	28.0	0.0	107.8	139.7
Pickering Unit 5																		
PO Days	0.0	1.7	50.0	57.3	45.0	41.9	113.0	113.0	0.0	0.0	87.8	87.8	23.0	0.0	105.9	105.9	0.0	0.0
FEPO Days	0.0	5.3	0.0	27.7	0.0	0.0	0.0	63.9	0.0	0.0	0.0	53.4	0.0	0.0	0.0	14.7	0.0	0.0
Total	0.0	7.0	50.0	85.0	45.0	41.9	113.0	176.9	0.0	0.0	87.8	141.2	23.0	0.0	105.9	120.6	0.0	0.0
Pickering Unit 6																		
PO Days	0.0	0.0	52.0	68.2	42.0	39.4	106.0	101.1	0.0	0.0	116.2	113.0	0.0	0.0	103.8	102.4	0.0	1.4
FEPO Days	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2
Total	0.0	0.0	52.0	68.2	42.0	39.4	106.0	101.1	0.0	0.0	116.2	113.0	0.0	0.0	103.8	102.4	0.0	17.6
Pickering Unit 7																		
PO Days	52.0	0.0	0.0	0.0	128.0	117.2	0.0	0.0	107.4	104.4	0.0	0.0	113.9	113.9	0.0	0.0	117.5	117.5
FEPO Days	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	8.5	0.0	3.9
Total	52.0	0.0	0.0	0.0	128.0	119.4	0.0	0.0	107.4	104.4	0.0	0.0	113.9	121.4	0.0	8.5	117.5	121.4
Pickering Unit 8																		
PO Days	60.0	60.4	0.0	0.0	76.0	76.4	0.0	0.0	97.4	97.4	0.0	0.0	85.7	85.7	0.0	13.4	142.6	142.6
FEPO Days	0.0	13.2	0.0	0.0	0.0	7.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	13.6	0.0	0.0	0.0	41.4