Updated March 12, 2020

EB-2020-0290
Revenue Requirement Work Form

Ontario Power Generation

Ontario Power Generation

EB-2020-0290 Revenue Requirement Work Form

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Ontario Power Generation

EB-2020-0290 Revenue Requirement Work Form

Legend / Colour Scheme

OPG Proposed Amounts

Adjustment Input Cells For OEB Use

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OEB Adjustment Input Sheet

Updated: 2020-03-12
EB-2020-0290
Exhibit I1-1-1
Attachment 1

Total Generating Facilities

Line No.	Description	2022 OPG Proposed 12/31/2020	2022 OEB Adjustment	2022 OEB Approved	2023 OPG Proposed 12/31/2020	2023 OEB Adjustment	2023 OEB Approved	2024 OPG Proposed 12/31/2020	2024 OEB Adjustment	2024 OEB Approved	2025 OPG Proposed 12/31/2020	2025 OEB Adjustment	2025 OEB Approved	2026 OPG Proposed 12/31/2020	2026 OEB Adjustment	2026 OEB Approved
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Capital Structure																
1	Common Equity	50.0%		50.0%	50.0%		50.0%	50.0%		50.0%	50.0%		50.0%	50.0%		50.0%
2	Debt	50.0%	0.0%	50.0%	50.0%	0.0%	50.0%	50.0%	0.0%	50.0%	50.0%	0.0%	50.0%	50.0%	0.0%	50.0%
Cost of Capital																
3	Short-Term Debt Facility Cost ($M)	5.2		5.2	5.2		5.2	5.2		5.2	5.2		5.2	5.2		5.2
4	Short-Term Debt Interest Cost ($M)	0.5		0.5	0.8		0.8	1.2		1.2	1.7		1.7	2.2		2.2
5	Regulated Portion of Short-Term Debt Allocation Factor	97.40%		97.40%	97.40%		97.40%	97.40%		97.40%	97.40%		97.40%	97.40%		97.40%
6	Short-Term Debt Cost ($M)	5.5		5.5	5.8		5.8	6.2		6.2	6.7		6.7	7.2		7.2
7	Regulated Portion of Short-Term Debt Cost Rate	0.47%		0.47%	0.78%		0.78%	1.16%		1.16%	1.66%		1.66%	2.23%		2.23%
8	Existing and Planned Long-Term Debt Cost Rate	3.61%		3.61%	3.49%		3.49%	3.61%		3.61%	3.65%		3.65%	3.65%		3.65%
9	Other Long-Term Debt Provision Cost Rate	3.61%		3.61%	3.49%		3.49%	3.61%		3.61%	3.65%		3.65%	3.65%		3.65%
10	Common Equity Cost Rate ROE	8.34%		8.34%	8.34%		8.34%	8.34%		8.34%	8.34%		8.34%	8.34%		8.34%
11	Adjustment for Lesser of UNL/ARC Cost Rate	4.89%		4.89%	4.89%		4.89%	4.89%		4.89%	4.89%		4.89%	4.89%		4.89%
Capitalization ($M)																
12	Short-Term Debt Principal	97.4		97.4	97.4		97.4	97.4		97.4	97.4		97.4	97.4		97.4
13	Existing and Planned Long-Term Debt Principal	3,837.8		3,837.8	4,039.6		4,039.6	3,764.6		3,764.6	3,686.2		3,686.2	3,680.9		3,680.9
14	Adjustment for Lesser of UNL/ARC	73.6		73.6	-		-	-		-	-		-	-		-

Nuclear Facilities

Line No.	Description	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Rate Base ($M)																
15	Gross Plant at Cost	14,197.9		14,197.9	14,781.3		14,781.3	17,826.3		17,826.3	19,637.9		19,637.9	21,077.4		21,077.4
16	Accumulated Depreciation/Amortization	6,165.8		6,165.8	6,678.1		6,678.1	7,203.2		7,203.2	7,753.4		7,753.4	8,298.6		8,298.6
17	Cash Working Capital	(37.8)		(37.8)	(37.8)		(37.8)	(37.8)		(37.8)	(37.8)		(37.8)	(37.8)		(37.8)
18	Materials and Supplies	517.3		517.3	513.5		513.5	485.6		485.6	435.9		435.9	392.5		392.5
19	Nuclear Fuel Inventory	208.7		208.7	209.8		209.8	189.8		189.8	185.9		185.9	178.5		178.5
20	**Total**	**8,720.4**	**-**	**8,720.4**	**8,788.7**	**-**	**8,788.7**	**11,260.7**	**-**	**11,260.7**	**12,468.5**	**-**	**12,468.5**	**13,312.0**	**-**	**13,312.0**
Expenses ($M)																
21	OM&A	2,341.2		2,341.2	2,382.0		2,382.0	2,207.1		2,207.1	1,869.0		1,869.0	1,083.3		1,083.3
22	Fuel	178.3		178.3	182.1		182.1	209.4		209.4	188.6		188.6	148.2		148.2
23	Depreciation/Amortization	553.0		553.0	471.5		471.5	578.7		578.7	521.6		521.6	568.6		568.6
24	Property Taxes	12.9		12.9	13.2		13.2	13.6		13.6	12.7		12.7	9.8		9.8
25	**Total**	**3,085.4**	**-**	**3,085.4**	**3,049.0**	**-**	**3,049.0**	**3,008.8**	**-**	**3,008.8**	**2,591.9**	**-**	**2,591.9**	**1,809.8**	**-**	**1,809.8**
Other Revenues ($M)																
26	Bruce Lease Revenues Net of Direct Costs	(45.6)		(45.6)	(38.7)		(38.7)	(48.1)		(48.1)	(46.5)		(46.5)	(38.3)		(38.3)
27	Ancillary and Other Revenue	24.2		24.2	41.9		41.9	52.3		52.3	21.8		21.8	63.8		63.8
28	**Total**	**(21.4)**	**-**	**(21.4)**	**3.2**	**-**	**3.2**	**4.2**	**-**	**4.2**	**(24.7)**	**-**	**(24.7)**	**25.5**	**-**	**25.5**
29	**Forecast Production** (TWh)	**33.2**		**33.2**	**30.8**		**30.8**	**33.3**		**33.3**	**30.2**		**30.2**	**21.5**		**21.5**

Line No.	Description	Nuclear Facilities														
		2022			2023			2024			2025			2026		
		OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Applicable Tax Rates																
30	Federal Rate	15.00%		15.00%	15.00%		15.00%	15.00%		15.00%	15.00%		15.00%	15.00%		15.00%
31	Provincial Rate	10.00%		10.00%	10.00%		10.00%	10.00%		10.00%	10.00%		10.00%	10.00%		10.00%
32		**25.00%**		**25.00%**	**25.00%**		**25.00%**	**25.00%**	**-**	**25.00%**	**25.00%**	**-**	**25.00%**	**25.00%**	**-**	**25.00%**
Tax Credits and Payment Adjustments ($M)																
33	SR&ED Investment	(16.5)		(16.5)	(16.3)		(16.3)	(16.4)		(16.4)	(16.1)		(16.1)	(15.9)		(15.9)
Taxable Income Adjustments ($M)																
	Additions															
34	Depreciation and Amortization	553.0		553.0	471.5		471.5	578.7		578.7	521.6		521.6	568.6		568.6
35	Nuclear Waste Management Expenses	57.3		57.3	68.9		68.9	72.3		72.3	52.1		52.1	47.1		47.1
36	Receipts from Nuclear Segregated Funds	82.5		82.5	104.3		104.3	136.4		136.4	284.2		284.2	529.3		529.3
37	Pension and OPEB Accrual	311.7		311.7	294.1		294.1	272.8		272.8	228.2		228.2	182.6		182.6
38	Regulatory Asset Amortization - Bruce Lease Net Revenues Variance Account	28.0		28.0	28.0		28.0	28.0		28.0	21.1		21.1	21.1		21.1
39	Regulatory Asset Amortization - Pension and OPEB Variance Cash vs Accrual	152.7		152.7	152.7		152.7	152.7		152.7	108.8		108.8	108.8		108.8
40	Regulatory Liability Amortization - Income and Other Taxes Variance Account	(1.6)		(1.6)	(1.6)		(1.6)	(1.6)		(1.6)	-		-	-		-
41	Adjustment Related to Financing Cost for Nuclear Liabilities	3.6		3.6	-		-	-		-	-		-	-		-
42	Taxable SR&ED Investment Tax Credits of Prior Periods & Current Provincial Portion	17.4		17.4	16.5		16.5	16.3		16.3	16.3		16.3	16.1		16.1
43	Other	73.2		73.2	76.2		76.2	35.5		35.5	4.4		4.4	(69.3)		(69.3)
44	**Total Additions**	**1,277.8**	**-**	**1,277.8**	**1,210.7**	**-**	**1,210.7**	**1,291.2**	**-**	**1,291.2**	**1,236.7**	**-**	**1,236.7**	**1,404.4**	**-**	**1,404.4**
	Deductions															
45	CCA	839.5		839.5	878.8		878.8	834.1		834.1	860.2		860.2	828.5		828.5
46	Cash Expenditures for Nuclear Waste & Decomissioning	269.6		269.6	262.7		262.7	306.1		306.1	463.9		463.9	638.4		638.4
47	Contributions to Nuclear Segregated Funds and Earnings	244.4		244.4	100.6		100.6	100.6		100.6	-		-	-		-
48	Pension Plan Contributions	148.5		148.5	151.5		151.5	152.1		152.1	151.7		151.7	123.0		123.0
49	OPEB Payments	98.0		98.0	101.4		101.4	103.2		103.2	103.8		103.8	104.2		104.2
50	Reversal of Return on Rate Base Recorded in Capacity Refurbishment Variance Acco	-			-			-			-			-		
51	Deductible SR&ED Qualifying Expenditures	35.0		35.0	34.2		34.2	34.4		34.4	33.1		33.1	32.3		32.3
52	Other	-		-	-		-	6.1		6.1	6.3		6.3	6.9		6.9
53	**Total Deductions**	**1,634.9**	**-**	**1,634.9**	**1,529.2**	**-**	**1,529.2**	**1,536.7**	**-**	**1,536.7**	**1,619.2**	**-**	**1,619.2**	**1,733.2**	**-**	**1,733.2**

OEB Adjustment Input Sheet

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		Deferral Accounts													
		2022			2023			2024			2025			2026		
Line No.	Description	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(g)	(h)	(i)	(g)	(h)	(i)
	Hydroelectric Facilities ($M)															
1	Hydroelectric Water Conditions Variance	(36.4)		(36.4)	(36.4)		(36.4)	(36.4)		(36.4)	-		-	-		-
2	Ancillary Services Net Revenue Variance - Hydroelectric	(11.1)		(11.1)	(11.1)		(11.1)	(11.1)		(11.1)	-		-	-		-
3	Hydroelectric Incentive Mechanism Variance	0.0		0.0	0.0		0.0	0.0		0.0	-		-	-		-
4	Hydroelectric Surplus Baseload Generation Variance	69.4		69.4	69.4		69.4	69.4		69.4	-		-	-		-
5	Income and Other Taxes Variance - Hydroelectric	(0.9)		(0.9)	(0.9)		(0.9)	(0.9)		(0.9)	-		-	-		-
6	Capacity Refurbishment Variance - Hydroelectric	-		-	-		-	-		-	-		-	-		-
7	Niagara Tunnel Project Pre-December 2008 Disallowance Variance Account	1.3		1.3	1.3		1.3	1.3		1.3	-		-	-		-
8	Pension and OPEB Cost Variance - Hydroelectric - Future	1.1		1.1	1.1		1.1	1.1		1.1	-		-	-		-
9	Pension and OPEB Cost Variance - Hydroelectric - Post 2012 Additions	-		-	-		-	-		-	-		-	-		-
10	Pension & OPEB Cash Versus Accrual Differential Deferral - Hydroelectric - Registered Pension Plan (RPP) - EB-2018-0243 Approved	8.3		8.3	8.3		8.3	8.3		8.3	8.3		8.3	8.3		8.3
11	Pension & OPEB Cash Versus Accrual Differential Deferral - Hydroelectric - Non - RPP - EB-2018-0243 Approved	7.0		7.0	7.0		7.0	7.0		7.0	-		-	-		-
12	Pension & OPEB Cash Versus Accrual Differential Deferral - Hydroelectric - Post-2017 Additions	8.8		8.8	8.8		8.8	8.8		8.8	8.8		8.8	8.8		8.8
13	Pension & OPEB Cash Payment Variance - Hydroelectric	(12.9)		(12.9)	(12.9)		(12.9)	(12.9)		(12.9)	-		-	-		-
14	Pension and OPEB Cash Versus Accrual Differential Carrying Charges - Hydroelectric	(0.0)		(0.0)	(0.0)		(0.0)	(0.0)		(0.0)	-		-	-		-
15	Hydroelectric Deferral and Variance Over/Under Recovery Variance	1.1		1.1	1.1		1.1	1.1		1.1	-		-	-		-
16	**Total**	35.7		35.7	35.7		35.7	35.7		35.7	17.1		17.1	17.1		17.1
17	Tax on Pension & OPEB Cash Versus Accrual Differential Deferral - Hydroelectric - RPP - EB-2018-0243 Approved	2.8		2.8	2.8		2.8	2.8		2.8	2.8		2.8	2.8		2.8
18	Tax on Pension & OPEB Cash Versus Accrual Differential Deferral - Hydroelectric - Non RPP - EB-2018-0243 Approved	2.3		2.3	2.3		2.3	2.3		2.3	-		-	-		-
19	Tax on Pension & OPEB Cash Versus Accrual Differential Deferral - Hydroelectric - Post-2017 Additions	2.9		2.9	2.9		2.9	2.9		2.9	2.9		2.9	2.9		2.9
20	**Total Recoverable Amount**	**43.7**		**43.7**	**43.7**		**43.7**	**43.7**		**43.7**	**22.8**		**22.8**	**22.8**		**22.8**
							-									
	Nuclear Facilities ($M)						-									
21	Nuclear Liability Deferral	-		-	-		-	-		-	-		-	-		-
22	Impact Resulting from Changes in Station End-of-Life Dates (Dec 31, 2015) Deferral A	-		-	-		-	-		-	-		-	-		-
23	Nuclear Development Variance	1.2		1.2	1.2		1.2	1.2		1.2	-		-	-		-
24	Ancillary Services Net Revenue Variance - Nuclear	(1.2)		(1.2)	(1.2)		(1.2)	(1.2)		(1.2)	-		-	-		-
25	Capacity Refurbishment Variance - Nuclear - DRP	-		-	-		-	-		-	-		-	-		-
26	Capacity Refurbishment Variance - Nuclear - Non-DRP	(32.0)		(32.0)	(32.0)		(32.0)	(32.0)		(32.0)	-		-	-		-
27	Capacity Refurbishment Variance - Nuclear - Accelerated Investment Incentive CCA-DRP	(6.4)		(6.4)	(6.4)		(6.4)	(6.4)		(6.4)	-		-	-		-
28	Capacity Refurbishment Variance - Nuclear - D2O	19.4		19.4	19.4		19.4	19.4		19.4	-		-	-		-
29	Bruce Lease Net Revenues Variance - Derivative Sub-Account	(0.7)		(0.7)	(0.7)		(0.7)	(0.7)		(0.7)	-		-	-		-
30	Bruce Lease Net Revenues Variance - Non-Derivative Sub-Account - EB-2018-0243 Approved	21.1		21.1	21.1		21.1	21.1		21.1	21.1		21.1	21.1		21.1
31	Bruce Lease Net Revenues Variance - Non-Derivative Sub-Account - Post-2017 Additions	7.7		7.7	7.7		7.7	7.7		7.7	-		-	-		-
32	Income and Other Taxes Variance - Nuclear	(4.8)		(4.8)	(4.8)		(4.8)	(4.8)		(4.8)	-		-	-		-
33	Pension and OPEB Cost Variance - Nuclear - Future	21.5		21.5	21.5		21.5	21.5		21.5	-		-	-		-
34	Pension and OPEB Cost Variance - Nuclear - Post 2012 Additions	-		-	-		-	-		-	-		-	-		-
35	Pension & OPEB Cash Versus Accrual Differential Deferral - Nuclear - Registered Pension Plan (RPP) - EB-2018-0243 Approved	53.2		53.2	53.2		53.2	53.2		53.2	53.2		53.2	53.2		53.2
36	Pension & OPEB Cash Versus Accrual Differential Deferral - Nuclear - Non - RPP - EB-2018-0243 Approved	44.1		44.1	44.1		44.1	44.1		44.1	-		-	-		-
37	Pension & OPEB Cash Versus Accrual Differential Deferral - Nuclear - Post-2017 Additions	55.6		55.6	55.6		55.6	55.6		55.6	55.6		55.6	55.6		55.6
38	Pension & OPEB Cash Payment Variance - Nuclear	(58.1)		(58.1)	(58.1)		(58.1)	(58.1)		(58.1)	-		-	-		-
39	Pension and OPEB Cash Versus Accrual Differential Carrying Charges - Nuclear	(0.2)		(0.2)	(0.2)		(0.2)	(0.2)		(0.2)	-		-	-		-
40	Nuclear Deferral and Variance Over/Under Recovery Variance	(7.7)		(7.7)	(7.7)		(7.7)	(7.7)		(7.7)	-		-	-		-
41	Fitness for Duty Deferral	-		-	-		-	-		-	-		-	-		-
42	SR&ED ITC Variance	(4.0)		(4.0)	(4.0)		(4.0)	(4.0)		(4.0)	-		-	-		-
43	Rate Smoothing Deferral	-		-	-		-	-		-	-		-	-		-
44	Impact Resulting from Changes to Pickering Station End-of-Life Dates (December 31, 2017) Deferral Account	(81.9)		(81.9)	(81.9)		(81.9)	(81.9)		(81.9)	-		-	-		-
45	Total	26.7		26.7	26.7		26.7	26.7		26.7	129.9		129.9	129.9		129.9
46	Tax on Pension & OPEB Cash Versus Accrual Differential Deferral - Nuclear - RPP - EB-2018-0243 Approved	17.7		17.7	17.7		17.7	17.7		17.7	17.7		17.7	17.7		17.7
47	Tax on Pension & OPEB Cash Versus Accrual Differential Deferral - Nuclear - Non RPP - EB-2018-0243 Approved	14.7		14.7	14.7		14.7	14.7		14.7	-		-	-		-
48	Tax on Pension & OPEB Cash Versus Accrual Differential Deferral - Nuclear - Post-2017 Additions	18.5		18.5	18.5		18.5	18.5		18.5	18.5		18.5	18.5		18.5
49	**Total Recoverable Amount**	**77.6**		**77.6**	**77.6**		**77.6**	**77.6**		**77.6**	**166.2**		**166.2**	**166.2**		**166.2**

OPG Rate Base and Cost of Capital

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Line No.	Description	Total Generating Facilities 2022 OPG Proposed 12/31/2020	2022 OEB Adjustment	2022 OEB Approved	Nuclear Facilities 2023 OPG Proposed 12/31/2020	2023 OEB Adjustment	2023 OEB Approved	2024 OPG Proposed 12/31/2020	2024 OEB Adjustment	2024 OEB Approved	2025 OPG Proposed 12/31/2020	2025 OEB Adjustment	2025 OEB Approved	2026 OPG Proposed 12/31/2020	2026 OEB Adjustment	2026 OEB Approved
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	Nuclear Rate Base Financed by Capital Structure ($M)	8,646.8	-	8,646.8	8,788.7	-	8,788.7	11,260.7	-	11,260.7	12,468.5	-	12,468.5	13,312.0	-	13,312.0
2	Nuclear Allocation Factor	52.46%		52.46%	52.23%		52.23%	57.92%		57.92%	59.43%		59.43%	59.99%		59.99%

Line No.	Description	Nuclear Facilities 2022 OPG Proposed 12/31/2020	2022 OEB Adjustment	2022 OEB Approved	2023 OPG Proposed 12/31/2020	2023 OEB Adjustment	2023 OEB Approved	2024 OPG Proposed 12/31/2020	2024 OEB Adjustment	2024 OEB Approved	2025 OPG Proposed 12/31/2020	2025 OEB Adjustment	2025 OEB Approved	2026 OPG Proposed 12/31/2020	2026 OEB Adjustment	2026 OEB Approved
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
	Capitalization ($M)															
3	Total Rate Base	8,720.4	-	8,720.4	8,788.7	-	8,788.7	11,260.7	-	11,260.7	12,468.5	-	12,468.5	13,312.0	-	13,312.0
4	Adjustment for Lesser of UNL/ARC	73.6	-	73.6	-	-	-	-	-	-	-	-	-	-	-	-
5	**Rate Base Financed by Capital Structure**	**8,646.8**	**-**	**8,646.8**	**8,788.7**	**-**	**8,788.7**	**11,260.7**	**-**	**11,260.7**	**12,468.5**	**-**	**12,468.5**	**13,312.0**	**-**	**13,312.0**
6	**Common Equity**	**4,323.4**	**-**	**4,323.4**	**4,394.4**	**-**	**4,394.4**	**5,630.4**	**-**	**5,630.4**	**6,234.2**	**-**	**6,234.2**	**6,656.0**	**-**	**6,656.0**
7	Total Debt	4,323.4	-	4,323.4	4,394.4	-	4,394.4	5,630.4	-	5,630.4	6,234.2	-	6,234.2	6,656.0	-	6,656.0
8	Short-Term Debt	51.1		51.1	50.9	-	50.9	56.4	-	56.4	57.9	-	57.9	58.4	-	58.4
9	Existing and Planned Long-Term Debt	2,013.4	-	2,013.4	2,109.9	-	2,109.9	2,180.3	-	2,180.3	2,190.6	-	2,190.6	2,208.3	-	2,208.3
10	**Other Long-Term Debt Provision**	**2,258.9**	**-**	**2,258.9**	**2,233.6**	**-**	**2,233.6**	**3,393.7**	**-**	**3,393.7**	**3,985.8**	**-**	**3,985.8**	**4,389.3**	**-**	**4,389.3**
	Cost of Capital ($M)															
11	Adjustment for Lesser of UNL/ARC	3.6	-	3.6	-	-	-	-	-	-	-	-	-	-	-	-
12	**Common Equity**	**360.6**	**-**	**360.6**	**366.5**	**-**	**366.5**	**469.6**	**-**	**469.6**	**519.9**	**-**	**519.9**	**555.1**	**-**	**555.1**
13	Existing and Planned Long-Term Debt	72.6	-	72.6	73.5	-	73.5	78.8	-	78.8	80.0	-	80.0	80.7	-	80.7
14	Other Long-Term Debt Provision	81.4	-	81.4	77.8	-	77.8	122.6	-	122.6	145.6	-	145.6	160.4	-	160.4

Numbers may not add due to rounding

OPG Regulatory Income Taxes

Updated: 2020-03-12
EB-2020-0290
Exhibit I1-1-1
Attachment 1

		Nuclear Generating Facilities														
		2022			2023			2024			2025			2026		
Line No.	Description	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Applicable Tax Rates																
1	Federal Rate	15.00%	0.00%	15.00%	15.00%	0.00%	15.00%	15.00%	0.00%	15.00%	15.00%	0.00%	15.00%	15.00%	0.00%	15.00%
2	Provincial Rate	10.00%	0.00%	10.00%	10.00%	0.00%	10.00%	10.00%	0.00%	10.00%	10.00%	0.00%	10.00%	10.00%	0.00%	10.00%
3	**Total Tax Rate**	**25.00%**	0.00%	**25.00%**	**25.00%**	0.00%	**25.00%**	**25.00%**	0.00%	**25.00%**	**25.00%**	0.00%	**25.00%**	**25.00%**	0.00%	**25.00%**
Taxable Income ($M)																
4	Earnings Before Tax	236.9	-	236.9	236.2	-	236.2	348.6	-	348.6	441.5	-	441.5	468.7	-	468.7
5	Adjustments: Additions	1,277.8	-	1,277.8	1,210.7	-	1,210.7	1,291.2	-	1,291.2	1,236.7	-	1,236.7	1,404.4	-	1,404.4
6	Adjustments: Deductions	1,634.9	-	1,634.9	1,529.2	-	1,529.2	1,536.7	-	1,536.7	1,619.2	-	1,619.2	1,733.2	-	1,733.2
7	Tax Loss Carry Over	120.3		120.3	82.3		82.3	(103.2)		(103.2)	(59.0)		(59.0)	(139.8)		(139.8)
8	**Total Taxable Income**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.0**	**-**	**0.0**
Income Taxes ($M)																
9	Federal Income Taxes	0.0	-	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	0.0
10	Provincial Income Taxes	0.0	-	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	0.0
11	Tax Credits (SR&ED Investment)	(16.5)	-	(16.5)	(16.3)	-	(16.3)	(16.4)	-	(16.4)	(16.1)	-	(16.1)	(15.9)	-	(15.9)
12	**Total Income Taxes**	**(16.5)**	-	**(16.5)**	**(16.3)**	-	**(16.3)**	**(16.4)**	-	**(16.4)**	**(16.1)**	-	**(16.1)**	**(15.9)**	-	**(15.9)**
Earnings Before Tax ($M)																
13	**Requested After Tax ROE**	**360.6**	**-**	**360.6**	**366.5**	**-**	**366.5**	**469.6**	**-**	**469.6**	**519.9**	**-**	**519.9**	**555.1**	**-**	**555.1**
14	Pension and OPEB Cash vs Accrual Accounts	**(152.7)**		**(152.7)**	**(152.7)**		**(152.7)**	**(152.7)**		**(152.7)**	**(108.8)**		**(108.8)**	**(108.8)**		**(108.8)**
15	Bruce Lease Net Revenues	(45.6)	-	(45.6)	(38.7)	-	(38.7)	(48.1)	-	(48.1)	(46.5)	-	(46.5)	(38.3)	-	(38.3)
16	Total Regulatory Income Taxes After Tax Loss Carry-Over	(16.5)		(16.5)	(16.3)		(16.3)	(16.4)		(16.4)	(16.1)		(16.1)	(15.9)		(15.9)
17	**Total Earnings Before Tax**	**236.9**	**-**	**236.9**	**236.2**	**-**	**236.2**	**348.6**	**-**	**348.6**	**441.5**	**-**	**441.5**	**468.7**	**-**	**468.7**
Adjustments ($M)																
	Additions															
18	Depreciation and Amortization	553.0	-	553.0	471.5	-	471.5	578.7	-	578.7	521.6	-	521.6	568.6	-	568.6
19	Nuclear Waste Management Expenses	57.3	-	57.3	68.9	-	68.9	72.3	-	72.3	52.1	-	52.1	47.1	-	47.1
20	Receipts from Nuclear Segregated Funds	82.5	-	82.5	104.3	-	104.3	136.4	-	136.4	284.2	-	284.2	529.3	-	529.3
21	Pension and OPEB Accrual	311.7	-	311.7	294.1	-	294.1	272.8	-	272.8	228.2	-	228.2	182.6	-	182.6
22	Regulatory Asset Amortization - Bruce Lease Net Revenues Variance Account	28.0		28.0	28.0		28.0	28.0		28.0	21.1		21.1	21.1		21.1
23	Regulatory Asset Amortization - Pension and OPEB Variance Cash vs Accrual	152.7	-	152.7	152.7	-	152.7	152.7	-	152.7	108.8	-	108.8	108.8	-	108.8
24	Regulatory Liability Amortization - Income and Other Taxes Variance Account	(1.6)	-	(1.6)	(1.6)	-	(1.6)	(1.6)	-	(1.6)	-	-	-	-	-	-
25	Adjustment Related to Financing Cost for Nuclear Liabilities	3.6	-	3.6	-	-	-	-	-	-	-	-	-	-	-	-
26	Taxable SR&ED Investment Tax Credits of Prior Periods & Current Provincial Portion	17.4	-	17.4	16.5	-	16.5	16.3	-	16.3	16.3	-	16.3	16.1	-	16.1
27	Other	73.2	-	73.2	76.2	-	76.2	35.5	-	35.5	4.4	-	4.4	(69.3)	-	(69.3)
28	**Total Additions**	**1,277.8**	**-**	**1,277.8**	**1,210.7**	**-**	**1,210.7**	**1,291.2**	**-**	**1,291.2**	**1,236.7**	**-**	**1,236.7**	**1,404.4**	**-**	**1,404.4**
	Deductions															
29	CCA	839.5	-	839.5	878.8	-	878.8	834.1	-	834.1	860.2	-	860.2	828.5	-	828.5
30	Cash Expenditures for Nuclear Waste & Decomissioning	269.6	-	269.6	262.7	-	262.7	306.1	-	306.1	463.9	-	463.9	638.4	-	638.4
31	Contributions to Nuclear Segregated Funds and Earnings	244.4	-	244.4	100.6	-	100.6	100.6	-	100.6	-	-	-	-	-	-
32	Pension Plan Contributions	148.5	-	148.5	151.5	-	151.5	152.1	-	152.1	151.7	-	151.7	123.0	-	123.0
33	OPEB Payments	98.0	-	98.0	101.4	-	101.4	103.2	-	103.2	103.8	-	103.8	104.2	-	104.2
34	SR&ED Costs Capitalized for Accounting	35.0	-	35.0	34.2	-	34.2	34.4	-	34.4	33.1	-	33.1	32.3	-	32.3
35	Other	-	-	-	-	-	-	6.1	-	6.1	6.3	-	6.3	6.9	-	6.9
36	**Total Deductions**	**1,634.9**	**-**	**1,634.9**	**1,529.2**	**-**	**1,529.2**	**1,536.7**	**-**	**1,536.7**	**1,619.2**	**-**	**1,619.2**	**1,733.2**	**-**	**1,733.2**

Numbers may not add due to rounding

OPG Revenue Requirement

Updated: 2020-03-12
EB-2020-0290
Exhibit I1-1-1
Attachment 1

		Nuclear Facilities														
		2022			2023			2024			2025			2026		
Line No.	Description	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
	Cost of Capital ($M)															
1	Short-term Debt	2.9	0.0	2.9	3.0	0.0	3.0	3.6	0.0	3.6	4.0	0.0	4.0	4.3	0.0	4.3
2	Long-Term Debt	154.0	0.0	154.0	151.4	0.0	151.4	201.4	0.0	201.4	225.6	0.0	225.6	241.1	0.0	241.1
3	ROE	360.6	0.0	360.6	366.5	0.0	366.5	469.6	0.0	469.6	519.9	0.0	519.9	555.1	0.0	555.1
4	Adjustment for Lesser of UNL/ARC	3.6		3.6	0.0		0.0	0.0		0.0	0.0		0.0	0.0		0.0
5	**Total**	**521.1**	0.0	521.1	**520.9**	0.0	520.9	**674.6**	0.0	674.6	**749.5**	0.0	749.5	**800.5**	0.0	800.5
	Expenses ($M)															
6	OM&A	2,341.2	0.0	2,341.2	2,382.0	0.0	2,382.0	2,207.1	0.0	2,207.1	1,869.0	0.0	1,869.0	1,083.3	0.0	1,083.3
7	Fuel	178.3	0.0	178.3	182.1	0.0	182.1	209.4	0.0	209.4	188.6	0.0	188.6	148.2	0.0	148.2
8	Depreciation/Amortization	553.0	0.0	553.0	471.5	0.0	471.5	578.7	0.0	578.7	521.6	0.0	521.6	568.6	0.0	568.6
9	Property Taxes	12.9	0.0	12.9	13.2	0.0	13.2	13.6	0.0	13.6	12.7	0.0	12.7	9.8	0.0	9.8
10	**Total**	**3,085.4**	0.0	3,085.4	**3,049.0**	0.0	3,049.0	**3,008.8**	0.0	3,008.8	**2,591.9**	0.0	2,591.9	**1,809.8**	0.0	1,809.8
	Other Revenues ($M)															
11	Bruce Lease Net Revenues	(45.6)		(45.6)	(38.7)		(38.7)	(48.1)		(48.1)	(46.5)		(46.5)	(38.3)		(38.3)
12	Ancillary and Other Revenue	24.2	0.0	24.2	41.9	0.0	41.9	52.3	0.0	52.3	21.8	0.0	21.8	63.8	0.0	63.8
13	**Total**	**(21.4)**	0.0	(21.4)	**3.2**	0.0	3.2	**4.2**	0.0	4.2	**(24.7)**	0.0	(24.7)	**25.5**	0.0	25.5
14	**Regulatory Income Tax** ($M)	**(16.5)**	0.0	(16.5)	**(16.3)**	0.0	(16.3)	**(16.4)**	0.0	(16.4)	**(16.1)**	0.0	(16.1)	**(15.9)**	0.0	(15.9)
15	**Revenue Requirement Before Stretch Factor** ($M)	**3,611.4**	0.0	3,611.4	**3,550.4**	0.0	3,550.4	**3,662.9**	0.0	3,662.9	**3,350.1**	0.0	3,350.1	**2,569.0**	0.0	2,569.0
16	**Cumulative Nuclear Stretch Dollars** ($M)	**0.0**		0.0	**9.5**		9.5	**18.7**		18.7	**25.5**		25.5	**18.0**		18.0
15	**Revenue Requirement** ($M)	**3,611.4**	0.0	3,611.4	**3,540.8**	0.0	3,540.8	**3,644.2**	0.0	3,644.2	**3,324.5**	0.0	3,324.5	**2,550.9**	0.0	2,550.9

Numbers may not add due to rounding

OPG Revenue Requirement Deficiency / (Sufficiency)

Updated: 2020-03-12
EB-2020-0290
Exhibit I1-1-1
Attachment 1

		Nuclear Facilities														
		2022			2023			2024			2025			2026		
Line No.	Description	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Production & Revenue																
1	Forecast Production (TWh)	33.2	0.0	33.2	30.8	0.0	30.8	33.3	0.0	33.3	30.2	0.0	30.2	21.5	0.0	21.5
2	Current Payment Rate ($/MWh)	89.70	0.00	89.70	89.70	0.00	89.70	89.70	0.00	89.70	89.70	0.00	89.70	89.70	0.00	89.70
3	**Revenue From Current Payment Rate ($M)**	**2,978.1**	**0.0**	**2,978.1**	**2,765.2**	**0.0**	**2,765.2**	**2,987.0**	**0.0**	**2,987.0**	**2,708.0**	**0.0**	**2,708.0**	**1,929.6**	**0.0**	**1,929.6**
Revenue Requirement																
4	Revenue Requirement Net of Stretch Factor ($M)	3,611.4	0.0	3,611.4	3,540.8	0.0	3,540.8	3,644.2	0.0	3,644.2	3,324.5	0.0	3,324.5	2,550.9	0.0	2,550.9
5	**Revenue Requirement Deficiency (Sufficiency)** ($M)	**633.3**	0.0	**633.3**	**775.6**	0.0	**775.6**	**657.2**	0.0	**657.2**	**616.6**	0.0	**616.6**	**621.4**	0.0	**621.4**

Numbers may not add due to rounding

OPG Requested Payment Amounts

Updated: 2020-03-12
EB-2020-0290
Exhibit I1-1-1
Attachment 1

		Hydroelectric Facilities														
		2022			2023			2024			2025			2026		
Line No.	Description	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	**Payment Amount ($/MWh)**	43.88		43.88	43.88		43.88	43.88		43.88	43.88		43.88	43.88		43.88

		Nuclear Facilities														
		2022			2023			2024			2025			2026		
Line No.	Description	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
2	Revenue Requirement Net of Stretch Factor($M)	3,611.4	0.0	3,611.4	3,540.8	0.0	3,540.8	3,644.2	0.0	3,644.2	3,324.5	0.0	3,324.5	2,550.9	0.0	2,550.9
3	Stretch Adjustment ($M)	N/A	N/A	N/A	9.5	0.0	9.5	18.7	0.0	18.7	25.5	0.0	25.5	18.0	0.0	18.0
4	Forecast Production (TWh)	33.2	0.0	33.2	30.8	0.0	30.8	33.3	0.0	33.3	30.2	0.0	30.2	21.5	0.0	21.5
5	**Unsmoothed Payment Amount ($/MWh) (** (Line 2 - Line 3) / Line 4)	108.78	-	108.78	114.86	-	114.86	109.44	-	109.44	110.12	-	110.12	118.59	-	118.59
6	**Smoothed Payment Amount**	101.51	-	101.51	105.13	-	105.13	104.42	-	104.42	106.70	-	106.70	120.67	-	120.67

Numbers may not add due to rounding

OPG Recovery of Deferral and Variance Accounts and Riders

Updated: 2020-03-12
EB-2020-0290
Exhibit I1-1-1
Attachment 1

		Previously Regulated Hydroelectric Facilities														
		Amortization 2022			Amortization 2023			Amortization 2024			Amortization 2025			Amortization 2026		
Line No.	Description	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Variance Accounts ($M)																
1	Hydroelectric Water Conditions Variance	(36.4)	0.0	(36.4)	(36.4)	0.0	(36.4)	(36.4)	0.0	(36.4)	0.0	0.0	0.0	0.0	0.0	0.0
2	Ancillary Services Net Revenue Variance - Hydroelectric	(11.1)	0.0	(11.1)	(11.1)	0.0	(11.1)	(11.1)	0.0	(11.1)	0.0	0.0	0.0	0.0	0.0	0.0
3	Hydroelectric Incentive Mechanism Variance	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
4	Hydroelectric Surplus Baseload Generation Variance	69.4	0.0	69.4	69.4	0.0	69.4	69.4	0.0	69.4	0.0	0.0	0.0	0.0	0.0	0.0
5	Income and Other Taxes Variance - Hydroelectric	(0.9)	0.0	(0.9)	(0.9)	0.0	(0.9)	(0.9)	0.0	(0.9)	0.0	0.0	0.0	0.0	0.0	0.0
6	Capacity Refurbishment Variance - Hydroelectric	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
7	Niagara Tunnel Project Pre-December 2008 Disallowance Variance Account	1.3	0.0	1.3	1.3	0.0	1.3	1.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
8	Pension and OPEB Cost Variance - Hydroelectric - Future	1.1	0.0	1.1	1.1	0.0	1.1	1.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
9	Pension and OPEB Cost Variance - Hydroelectric - Post 2012 Additions	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
10	Pension & OPEB Cash Versus Accrual Differential Deferral - Hydroelectric - Registered Pension Plan (RPP) - EB-2018-0243 Approved	8.3	0.0	8.3	8.3	0.0	8.3	8.3	0.0	8.3	8.3	0.0	8.3	8.3	0.0	8.3
11	Pension & OPEB Cash Versus Accrual Differential Deferral - Hydroelectric - Non - RPP - EB-2018-0243 Approved	7.0	0.0	7.0	7.0	0.0	7.0	7.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
12	Pension & OPEB Cash Versus Accrual Differential Deferral - Hydroelectric - Post-2017 Additions	8.8	0.0	8.8	8.8	0.0	8.8	8.8	0.0	8.8	8.8	0.0	8.8	8.8	0.0	8.8
13	Pension & OPEB Cash Payment Variance - Hydroelectric	(12.9)	0.0	(12.9)	(12.9)	0.0	(12.9)	(12.9)	0.0	(12.9)	0.0	0.0	0.0	0.0	0.0	0.0
14	Pension and OPEB Cash Versus Accrual Differential Carrying Charges - Hydroelectric	(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
15	Hydroelectric Deferral and Variance Over/Under Recovery Variance	1.1	0.0	1.1	1.1	0.0	1.1	1.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
16	**Total**	**35.7**	**0.0**	**35.7**	**35.7**	**0.0**	**35.7**	**35.7**	**0.0**	**35.7**	**17.1**	**0.0**	**17.1**	**17.1**	**0.0**	**17.1**
17	Tax on Pension & OPEB Cash Versus Accrual Differential Deferral - Hydroelectric - RPP - EB-2018-0243 Approved	2.8	0.0	2.8	2.8	0.0	2.8	2.8	0.0	2.8	2.8	0.0	2.8	2.8	0.0	2.8
18	Tax on Pension & OPEB Cash Versus Accrual Differential Deferral - Hydroelectric - Non RPP - EB-2018-0243 Approved	2.3	0.0	2.3	2.3	0.0	2.3	2.3	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
19	Tax on Pension & OPEB Cash Versus Accrual Differential Deferral - Hydroelectric - Post-2017 Additions	2.9	0.0	2.9	2.9	0.0	2.9	2.9	0.0	2.9	2.9	0.0	2.9	2.9	0.0	2.9
20	**Total Recoverable Amount**	**43.7**	0.0	**43.7**	**43.7**	0.0	**43.7**	**43.7**	0.0	**43.7**	**22.8**	0.0	**22.8**	**22.8**	0.0	**22.8**
21	**EB-2016-0152 PAO forecast** (TWh)	**33.0**		**33.0**	**33.0**		**33.0**	**33.0**		**33.0**	**33.0**		**33.0**	**33.0**		**33.0**
22	**Rider** ($/MWh) (Line 20 / Line 21)	**1.33**	0.0	**1.33**	**1.33**	0.0	**1.33**	**1.33**	0.0	**1.33**	**0.69**	0.0	**0.69**	**0.69**	0.0	**0.69**

		Nuclear Facilities														
		Amortization 2022			Amortization 2023			Amortization 2024			Amortization 2025			Amortization 2026		
Line No.	Description	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Variance Accounts ($M)																
23	Nuclear Liability Deferral	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
24	Impact Resulting from Changes in Station End-of-Life Dates (Dec 31, 2015) Deferra	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
25	Nuclear Development Variance	1.2	0.0	1.2	1.2	0.0	1.2	1.2	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
26	Ancillary Services Net Revenue Variance - Nuclear	(1.2)	0.0	(1.2)	(1.2)	0.0	(1.2)	(1.2)	0.0	(1.2)	0.0	0.0	0.0	0.0	0.0	0.0
27	Capacity Refurbishment Variance - Nuclear - DRP	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
28	Capacity Refurbishment Variance - Nuclear - Non-DRP	(32.0)	0.0	(32.0)	(32.0)	0.0	(32.0)	(32.0)	0.0	(32.0)	0.0	0.0	0.0	0.0	0.0	0.0
29	Capacity Refurbishment Variance - Nuclear - Accelerated Investment Incentive CCA-DRP	(6.4)	0.0	(6.4)	(6.4)	0.0	(6.4)	(6.4)	0.0	(6.4)	0.0	0.0	0.0	0.0	0.0	0.0
30	Capacity Refurbishment Variance - Nuclear - D2O	19.4	0.0	19.4	19.4	0.0	19.4	19.4	0.0	19.4	0.0	0.0	0.0	0.0	0.0	0.0
31	Bruce Lease Net Revenues Variance - Derivative Sub-Account	(0.7)	0.0	(0.7)	(0.7)	0.0	(0.7)	(0.7)	0.0	(0.7)	0.0	0.0	0.0	0.0	0.0	0.0
32	Bruce Lease Net Revenues Variance - Non-Derivative Sub-Account - EB-2018-0243 Approved	21.1	0.0	21.1	21.1	0.0	21.1	21.1	0.0	21.1	21.1	0.0	21.1	21.1	0.0	21.1
33	Bruce Lease Net Revenues Variance - Non-Derivative Sub-Account - Post-2017 Additions	7.7	0.0	7.7	7.7	0.0	7.7	7.7	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0
34	Income and Other Taxes Variance - Nuclear	(4.8)	0.0	(4.8)	(4.8)	0.0	(4.8)	(4.8)	0.0	(4.8)	0.0	0.0	0.0	0.0	0.0	0.0
35	Pension and OPEB Cost Variance - Nuclear - Future	21.5	0.0	21.5	21.5	0.0	21.5	21.5	0.0	21.5	0.0	0.0	0.0	0.0	0.0	0.0
36	Pension and OPEB Cost Variance - Nuclear - Post 2012 Additions	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
37	Pension & OPEB Cash Versus Accrual Differential Deferral - Nuclear - Registered Pension Plan (RPP) - EB-2018-0243 Approved	53.2	0.0	53.2	53.2	0.0	53.2	53.2	0.0	53.2	53.2	0.0	53.2	53.2	0.0	53.2
38	Pension & OPEB Cash Versus Accrual Differential Deferral - Nuclear - Non - RPP - EB-2018-0243 Approved	44.1	0.0	44.1	44.1	0.0	44.1	44.1	0.0	44.1	0.0	0.0	0.0	0.0	0.0	0.0
39	Pension & OPEB Cash Versus Accrual Differential Deferral - Nuclear - Post-2017 Additions	55.6	0.0	55.6	55.6	0.0	55.6	55.6	0.0	55.6	55.6	0.0	55.6	55.6	0.0	55.6
40	Pension & OPEB Cash Payment Variance - Nuclear	(58.1)	0.0	(58.1)	(58.1)	0.0	(58.1)	(58.1)	0.0	(58.1)	0.0	0.0	0.0	0.0	0.0	0.0
41	Pension and OPEB Cash Versus Accrual Differential Carrying Charges - Nuclear	(0.2)	0.0	(0.2)	(0.2)	0.0	(0.2)	(0.2)	0.0	(0.2)	0.0	0.0	0.0	0.0	0.0	0.0
42	Nuclear Deferral and Variance Over/Under Recovery Variance	(7.7)	0.0	(7.7)	(7.7)	0.0	(7.7)	(7.7)	0.0	(7.7)	0.0	0.0	0.0	0.0	0.0	0.0
43	Fitness for Duty Deferral	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
44	SR&ED ITC Variance	(4.0)	0.0	(4.0)	(4.0)	0.0	(4.0)	(4.0)	0.0	(4.0)	0.0	0.0	0.0	0.0	0.0	0.0
45	Rate Smoothing Deferral	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
46	Impact Resulting from Changes to Pickering Station End-of-Life Dates (December 31, 2017) Deferral Account	(81.9)	0.0	(81.9)	(81.9)	0.0	(81.9)	(81.9)	0.0	(81.9)	0.0	0.0	0.0	0.0	0.0	0.0
47	**Total**	**26.7**	**0.0**	**26.7**	**26.7**	**0.0**	**26.7**	**26.7**	**0.0**	**26.7**	**129.9**	**0.0**	**129.9**	**129.9**	**0.0**	**129.9**
48	Tax on Pension & OPEB Cash Versus Accrual Differential Deferral - Nuclear - RPP - EB-2018-0243 Approved	17.7	0.0	17.7	17.7	0.0	17.7	17.7	0.0	17.7	17.7	0.0	17.7	17.7	0.0	17.7
49	Tax on Pension & OPEB Cash Versus Accrual Differential Deferral - Nuclear - Non RPP - EB-2018-0243 Approved	14.7	0.0	14.7	14.7	0.0	14.7	14.7	0.0	14.7	0.0	0.0	0.0	0.0	0.0	0.0
50	Tax on Pension & OPEB Cash Versus Accrual Differential Deferral - Nuclear - Post-2017 Additions	18.5	0.0	18.5	18.5	0.0	18.5	18.5	0.0	18.5	18.5	0.0	18.5	18.5	0.0	18.5
51	**Total Recoverable Amount**	**77.6**	0.0	**77.6**	**77.6**	0.0	**77.6**	**77.6**	0.0	**77.6**	**166.2**	0.0	**166.2**	**166.2**	0.0	**166.2**
52	**Forecast Production** (TWh)	**33.2**	0.0	**33.2**	**30.8**	0.0	**30.8**	**33.3**	0.0	**33.3**	**30.2**	0.0	**30.2**	**21.5**	0.0	**21.5**
53	**Rider** ($/MWh) (Line 51 / Line 52)	**2.34**	0.0	**2.34**	**2.52**	0.0	**2.52**	**2.33**	0.0	**2.33**	**5.50**	0.0	**5.50**	**7.72**	0.0	**7.72**

Numbers may not add due to rounding

OPG Customer Bill Impacts

Updated: 2020-03-12
EB-2020-0290
Exhibit I1-1-1
Attachment 1

Residential Consumers

Line No.	Description	EB-2016-0152 >> EB-2020-0290			EB-2020-0290			EB-2020-0290			EB-2020-0290			EB-2020-0290		
		2022			2023			2024			2025			2026		
		OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
	Production and Demand															
1	Typical Usage, including Line Losses[1] (kWh/Month)	737	n/a	737	737	n/a	737	737	n/a	737	737	n/a	737	737	n/a	737
2	Forecast Production (TWh)	66.2	-	66.2	63.8	-	63.8	66.3	-	66.3	63.2	-	63.2	54.5	-	54.5
3	IESO Forecast Provincial Demand[2] (TWh)	134.3	n/a	134.3	134.3	n/a	134.3	134.3	n/a	134.3	134.3	n/a	134.3	134.3	n/a	134.3
4	OPG Proportion of Consumer Usage (line 2 / line 3)	49.3%	0.0%	49.3%	47.5%	0.0%	47.5%	49.4%	0.0%	49.4%	47.0%	0.0%	47.0%	40.6%	0.0%	40.6%
5	Typical Usage of OPG Generation (kWh/Month) (line 1 x line 4)	363	-	363	350	-	350	364	-	364	347	-	347	299	-	299
6	**Typical Bill[1] ($/Month)**	**115.11**	n/a	**115.11**	**115.11**	n/a	**115.11**	**115.11**	n/a	**115.11**	**115.11**	n/a	**115.11**	**115.11**	n/a	**115.11**
	Production-Weighted Average Rates															
7	Prior Year weighted average rate with proposed payment amounts and riders ($/MWh)	71.76	-	71.76	74.63	-	74.63	75.38	-	75.38	76.13	-	76.13	76.89	-	76.89
8	Current Year weighted average rate with proposed payment amounts and riders ($/MWh)	74.63	-	74.63	75.38	-	75.38	76.13	-	76.13	76.89	-	76.89	77.66	-	77.66
	Impact															
9	**Typical Bill Impact** ($/Month)	**1.04**	-	**1.04**	**0.26**	-	**0.26**	**0.27**	-	**0.27**	**0.26**	-	**0.26**	**0.23**	-	**0.23**
10	**Percentage Change of Typical Bill** (line 9 / line 6)	**0.9%**	**0.0%**	**0.9%**	**0.2%**	**0.0%**	**0.2%**	**0.2%**	**0.0%**	**0.2%**	**0.2%**	**0.0%**	**0.2%**	**0.2%**	**0.0%**	**0.2%**

Line No.	Description	Current Rates		
		OPG Proposed	OEB Adjustment	OEB Approved
		(a)	(b)	(c)
	Payment Amounts ($MWh)			
11	Regulated Hydroelectric	43.88	n/a	43.88
12	Nuclear	89.70	n/a	89.70
	Riders ($MWh)			
13	Regulated Hydroelectric	2.05	n/a	2.05
14	Nuclear	6.13	n/a	6.13
	Total Annual Rates ($MWh)			
15	Regulated Hydroelectric	45.93	n/a	45.93
16	Nuclear	95.83	n/a	95.83
	Forecast Production EB-2020-XXXX (TWh)			
17	Regulated Hydroelectric	32.98	n/a	32.98
18	Nuclear	35.4	n/a	35.4
19	**Total**	**68.4**	**-**	**68.4**
	Production-Weighted Average Rates ($MWh)			
20	Regulated Hydroelectric	22.15	n/a	22.15
21	Nuclear	49.61	-	49.61
22	**Total** (line 20 + line 21)	**71.76**	**-**	**71.76**
23	**Total Production-Weighted Average Rate** ($MWh)	**71.76**	**-**	**71.76**

Line No.	Description	EB-2020-0290			EB-2020-0290			EB-2020-0290			EB-2020-0290			EB-2020-0290		
		Proposed Rates			Proposed Rates			Proposed Rates			Proposed Rates			Proposed Rates		
		2022			2023			2024			2025			2026		
		OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved	OPG Proposed 12/31/2020	OEB Adjustment	OEB Approved
		(a)	(b)	(c)	(a)	(b)	(c)	(a)	(b)	(c)	(a)	(b)	(c)	(a)	(b)	(c)
	Payment Amounts ($MWh)															
24	Regulated Hydroelectric	43.88	-	43.88	43.88	-	43.88	43.88	-	43.88	43.88	-	43.88	43.88	-	43.88
25	Nuclear	101.51	-	101.51	105.13	-	105.13	104.42	-	104.42	106.70	-	106.70	120.67	-	120.67
	Riders ($MWh)															
26	Regulated Hydroelectric	1.33	-	1.33	1.33	-	1.33	1.33	-	1.33	0.69	-	0.69	0.69	-	0.69
27	Nuclear	2.34	-	2.34	2.52	-	2.52	2.33	-	2.33	5.50	-	5.50	7.72	-	7.72
	Total Annual Rates ($MWh)															
28	Regulated Hydroelectric	45.21	-	45.21	45.21	-	45.21	45.21	-	45.21	44.57	-	44.57	44.57	-	44.57
29	Nuclear	103.85	-	103.85	107.65	-	107.65	106.75	-	106.75	112.20	-	112.20	128.39	-	128.39
	Forecast Production EB-2020-0290 (TWh)															
30	Regulated Hydroelectric	33.0	n/a	32.98	33.0	n/a	32.98	33.0	n/a	32.98	33.0	n/a	32.98	33.0	n/a	32.98
31	Nuclear	33.2	-	33.2	30.8	-	30.8	33.3	-	33.3	30.2	-	30.2	21.5	-	21.5
32	**Total**	**66.2**	**-**	**66.2**	**63.8**	**-**	**63.8**	**66.3**	**-**	**66.3**	**63.2**	**-**	**63.2**	**54.5**	**-**	**54.5**
	Production-Weighted Average Rates ($MWh)															
33	Regulated Hydroelectric	22.53	n/a	22.53	23.37	n/a	23.37	22.50	n/a	22.50	23.27	n/a	23.27	26.98	n/a	26.98
34	Nuclear	52.10	-	52.10	52.01	-	52.01	53.63	-	53.63	53.62	-	53.62	50.68	-	50.68
35	**Total** (line 20 + line 21)	**74.63**	**-**	**74.63**	**75.38**	**-**	**75.38**	**76.13**	**-**	**76.13**	**76.89**	**-**	**76.89**	**77.66**	**-**	**77.66**
36	**Total Production-Weighted Average Rate** ($MWh)	**74.63**	**-**	**74.63**	**75.38**	**-**	**75.38**	**76.13**	**-**	**76.13**	**76.89**	**-**	**76.89**	**77.66**	**-**	**77.66**

Numbers may not add due to rounding

Notes:

1 Typical monthly consumption (700 kWh) and typical monthly bill are based on the OEB "Bill Calculator" for estimating monthly electricity bills (using Time of Use pricing), available at: http://www.ontarioenergyboard.ca/OEB/Consumers/Electricity/Your+Electricity+Utility
Typical Consumption includes line losses (Assumed loss factor of 1.0525)

2 Based on forecast demand for 2021 (134.3 TWh) from Table 3-1 of IESO Reliability Outlook Update from July 2020 to December 2021, released June 2020.