Numbers may not add due to rounding.

Table 1
Summary of Actual Results - Nuclear ($M)
Years Ending December 31, 2020

Line No.	Description	Note	2020 Budget	(c)-(a) Change	2020 Actual
			(a)	(b)	(c)
	Rate Base				
1	**Net Fixed Assets**	1	6,384.7	1.8	6,386.4
2	**Working Capital**	2	685.6	(5.4)	680.3
3	**Cash Working Capital**	2	(37.8)	0.0	(37.8)
4	**Total Rate Base**		7,032.6	(3.6)	7,029.0
	Capitalization				
5	**Short-term Debt**	3	45.8	43.5	89.3
6	**Long-Term Debt**	3	3,598.7	(45.5)	3,553.2
7	**Common Equity**	3	2,981.8	(1.6)	2,980.2
8	**Adjustment for Lesser of UNL or ARC**	3	406.3	(0.0)	406.3
9	**Total Capital**		7,032.6	(3.6)	7,029.0
	Cost of Capital				
10	**Short-term Debt**	4	2.0	0.2	2.2
11	**Long-Term Debt**	4	144.4	(2.6)	141.9
12	**Return on Equity**	4	377.9	297.4	675.3
13	**Adjustment for Lesser of UNL or ARC**	4	19.9	(0.0)	19.9
14	**Total Cost of Capital**		544.2	295.1	839.3
	Expenses:				
15	**OM&A**	5	2,390.4	(26.8)	2,363.6
16	**Fuel**	6	238.2	(3.3)	234.9
17	**Depreciation & Amortization**	7	452.1	2.0	454.1
18	**Property Tax**	8	12.0	0.0	12.0
19	**Total Expenses**		3,092.7	(28.1)	3,064.5
	Less:				
	Other Revenues				
20	**Bruce Lease Revenues Net of Direct Costs**	9	(16.5)	4.6	(11.9)
21	**Ancillary and Other Revenue**	10	33.0	9.2	42.2
22	**Total Other Revenues**		16.5	13.8	30.3
23	**Income Tax**	11	66.8	85.7	152.5

Notes:

1 2020 Budget per Ex. B1-1-1 Table 2.
2020 Actuals from Ex. L-A1-2-Staff-002, Attachment1, Table 2, col(f) line 8 less Table 3, col(e) line 8.

2 2020 Budget from Ex. B1-1-1 Table 2.
2020 Actuals from Ex. L-A1-2-Staff-002, Attachment1, Table 4

3 2020 Budget from Ex. C1-1-1 Table 7, (col. (a)). 2020 Actuals from Ex .L-A1-2-Staff-002, Attachment1, Table 4, (col.(a)). Capitalization is allocated to regulated nuclear operations using rate base financed by capital structure.

4 2020 Budget from Ex. C1-1-1 Table 7, (col. (d)). 2020 Actuals per Ex. L-I1-01-SEC-159, Att. 1, Table 4, line 13, col. (b).

5 2020 Budget from Ex. F2-1-1, Table 1, line 11.
2020 Actual from Ex. L-A1-2-Staff-002, Attachment1, Table 16, line 11.

6 2020 Budget from Ex. F2-5-1, Table 1, line 7.
2020 Actual from Ex. L-A1-2-Staff-002, Attachment1, Table 22, line 7.

7 2020 Budget from Ex. F4-1-1, Table 2, line 8.
2020 Actual from Ex.L-A1-2-Staff-002, Attachment1, Table 27, line 8.

8 2020 Budget from Ex. F4-2-1, Table 2, line 4.
2020 Actual from Ex. L-A1-2-Staff-002, Attachment1, Table 28, line 4.

9 2020 Budget from Ex. G2-2-1, Table 1, line 3.
2020 Actual from Ex. L-A1-2-Staff-002, Attachment1, Table 33, line 3.

10 2020 Budget from Ex. G2-1-1, Table 1, line 7.
2020 Actual from Ex.L-A1-2-Staff-002, Attachment1, Table 32, line 7,

11 2020 Budget from Ex. F4-2-1, Table 2, line 1.
2020 Actual from Ex. L-A1-2-Staff-002, Attachment1, Table 28, line 1.

Numbers may not add due to rounding.

Table 2
Continuity of Property, Plant and Equipment - Nuclear ($M)
Actual - Year Ending December 31, 2020

Line No.	Prescribed Facility Category	Gross Plant Opening Balance	In-Service Additions	Retirements, Transfers & Adjustments	(b)+(c) Net Change	(a)+(d) Closing Balance	(a+e)/2 Gross Plant Rate Base Amount
		(a)	(b)	(c)	(d)	(e)	(f)
	2020 Actual:[1]						
1	**Darlington NGS**	2,022.1	219.9	(1.0)	218.9	2,241.0	2,105.1
2	**Darlington Refurbishment Program - Excluding D2O**	800.9	4,774.1	0.0	4,774.1	5,575.1	3,584.8
3	**Heavy Water Storage Facility (D2O)**	495.5	13.2	0.0	13.2	508.7	502.1
4	**Pickering NGS**	2,563.6	77.6	(0.0)	77.6	2,641.2	2,602.4
5	**Operations and Project Support[2]**	424.0	36.0	(0.3)	35.6	459.6	441.8
6	**Nuclear - Excluding Asset Retirement Costs**	6,306.1	5,120.9	(1.4)	5,119.5	11,425.6	9,236.2
7	**Asset Retirement Costs[3]**	2,307.0	51.1	0.0	51.1	2,358.1	2,307.0
8	**Total**	8,613.1	5,172.0	(1.4)	5,170.6	13,783.7	11,543.2

Notes:

1 In-service additions include the followiong projects with equal or higher than $50M:

Project	Prescribed Facility	In-Service Date	Amount	First Year Weighting
DN Emergency Power Generator 2 Replacement Project 80126	Darlington NGS	30-Nov-20	72.0	1 months
Darlington Refurbishment - Unit Refurbishment - Unit 2	Darlington Refurb. Program	1-Jun-20	4,761.8	7 months

2 Includes Engineering, Inspection and Reactor Innovation, and Security & Emergency Services.

3 The change in asset retirement costs was recorded on December 31, 2020 (from L-A1-2-Staff-002, Attachment 1, Table 7, line 26, col.(a)), therefore the Gross Plant Rate Base amount for 2020 excludes the impact of this change.

Numbers may not add due to rounding.

Table 3
Continuity of Accumulated Depreciation and Amortization - Nuclear ($M)
Actual - Year Ending December 31, 2020

Line No.	Prescribed Facility Category	Opening Balance	Depreciation and Amortization	Retirements, Transfers & Adjustments	(a)+(b)+(c)+(d) Closing Balance	(a+e)/2 Accumulated Depreciation and Amortization Rate Base Amount
		(a)	(b)	(c)	(d)	(e)
	2020 Actual:					
1	**Darlington NGS**	541.8	74.4	36.9	653.1	597.4
2	**Darlington Refurbishment Program - Excluding D2O**	125.5	123.2	0.0	248.6	187.0
3	**Heavy Water Storage Facility (D2O)**	16.2	14.5	0.0	30.7	23.5
4	**Pickering NGS**	2,054.1	132.0	(0.0)	2,186.0	2,120.0
5	**Operations and Project Support**[1]	333.4	26.7	(37.4)	322.8	328.1
6	**Nuclear - Excluding Asset Retirement Costs**	3,071.0	370.8	(0.5)	3,441.2	3,256.1
7	**Asset Retirement Costs**	1,859.6	82.2	0.0	1,941.7	1,900.7
8	**Total**	4,930.5	452.9	(0.5)	5,383.0	5,156.8

Notes:
1 Includes Engineering, Inspection and Reactor Innovation, and Security & Emergency Services.

Numbers may not add due to rounding.

Table 4
Working Capital Summary - Nuclear ($M)
Actual - Year Ending December 31, 2020

Line No.	Working Capital Item	Opening Balance	Closing Balance	(a+b)/2 Rate Base Value
		(a)	(b)	(c)
	2020 Actual:			
1	**Cash Working Capital**[1]	N/A	N/A	(37.8)
2	**Fuel Inventory**	196.9	190.3	193.6
3	**Materials & Supplies**	481.1	492.3	486.7
4	**Total**			642.5

Notes:

1 As 2020 actual cash working capital amounts have not been developed at the time of filing of this interrogatory response, 2020 budget value as provided at Ex. Ex. B2-5-1 Table 1 is used.

Numbers may not add due to rounding.

Table 5
Capitalization and Cost of Capital
Summary of Capitalization and Cost of Capital
Calendar Year Ending December 31, 2020

Line No.	Capitalization	Note	Principal ($M)	Component (%)	Cost Rate (%)	Cost of Capital ($M)
			(a)	(b)	(c)	(d)
	Capitalization and Return on Capital:					
1	**Short-term Debt**	1	190.2	1.3%	0.70%	4.7
2	**Existing/Planned Long-Term Debt**	2	3,889.3	27.6%	3.99%	155.3
3	**Other Long-Term Debt Provision**	3	3,681.4	26.1%	3.99%	147.0
4	**Total Debt**	4	7,760.9	55.0%	3.96%	307.0
5	**Common Equity**	4	6,349.8	45.0%	17.12%	1,086.9
6	**Rate Base Financed by Capital Structure**	5	14,110.7	97.2%	9.88%	1,393.9
7	**Adjustment for Lesser of UNL or ARC**	5, 6	406.3	2.8%	4.86%	19.9
8	**Rate Base**		14,517.0	100%	9.74%	1,413.8

Notes:

1 Principal of $190.2M at a debt rate of 0.70% is associated with borrowing under commercial paper program. Cost includes $3.4M as an allocation of the credit facility cost. A preliminary 2020 allocation ratio was used based on OPG's 2020 financial results.

2 Ex. L-A1-2-Staff-002, Attachment 1, Table 6, line 40.

3 Debt required to balance capital structure with proposed rate base. Cost rate is the same cost rate used for Existing/Planned Long-Term Debt (line 2). See Ex. C1-1-2, Section 5.0.

4 Capital Structure as approved by the OEB in EB-2016-0152. Return on Equity as calculated in L-A2-02-Staff-019, Attachment 1

5 The portion of rate base to be financed by the capital structure approved by the OEB excludes the lesser of the forecast of the average unfunded nuclear liabilities (UNL) related to Pickering and Darlington, and the average unamortized asset retirement costs (ARC) included in fixed asset balances for Pickering and Darlington.

6 Principal from Ex. L-A1-2-Staff-002, Attachment 1, Table 7, line 30 col(a). Cost rate from Ex.L-C2-01-Staff-075, part (b).

Numbers may not add due to rounding.

Table 6
Capitalization and Cost of Capital
Summary of Existing and Planned Long-Term Debt ($M)
Outstanding During Calendar Year Ending Dec. 31 2020

Line No.	Issue	Note	Weighted Principal* ($M)	Issue Date	Duration (years)	Maturity Date	Effective Rate (%)	Annual Cost ($M)
			(a)	(b)	(c)	(d)	(e)	(f)
	Company-Wide Borrowing							
	Issues 1 to 22 and Issue 24 Matured Prior to 2020							
1	**Issue 23**	2	51.5	3/22/2010	10.0	3/22/2020	4.68%	2.4
2	**Issue 25**	3	167.2	9/22/2010	10.0	9/22/2020	4.39%	7.3
3	**Issue 26**		150.0	3/22/2011	30.0	3/22/2041	5.40%	8.1
4	**Issue 27**		150.0	9/22/2011	30.0	9/22/2041	4.74%	7.1
5	**Issue 28**		200.0	3/22/2012	30.0	3/22/2042	4.36%	8.7
6	**Issue 29**		50.0	11/22/2016	10.0	11/22/2026	3.04%	1.5
7	**Issue 30**		50.0	11/22/2016	30.0	11/22/2046	4.03%	2.0
8	**Issue 31**		200.0	2/22/2017	30.0	2/22/2047	4.12%	8.2
9	**Issue 32**		100.0	6/22/2017	30.0	6/22/2047	3.65%	3.6
10	**Issue 33**		100.0	8/22/2017	30.0	8/22/2047	3.86%	3.9
11	**Issue 34**		400.0	9/22/2017	30.0	9/22/2047	4.07%	16.3
12	**Issue 35**		496.5	10/2/2017	10.0	10/4/2027	3.43%	17.0
13	**Issue 36**		200.0	1/22/2018	30.0	1/22/2048	3.87%	7.7
14	**Issue 37**		400.0	3/22/2018	30.0	3/22/2048	4.00%	16.0
15	**Issue 38**		100.0	8/22/2019	20.0	8/22/2039	3.49%	3.5
16	**Issue 39**	1	318.0	3/16/2020	4.0	3/16/2024	1.75%	5.6
17	**Total**		3,133.2				3.80%	119.0
	Regulated Portion of Company-Wide Borrowing							
18	**Allocation**	8	2,988.8				3.80%	113.6
	Project Financing - Regulated Projects							
	Niagara 1 to 10 Matured Prior to 2020							
19	**Niagara 11**	4	3.0	1/22/2010	10.0	1/22/2020	5.44%	0.2
20	**Niagara 12**	5	20.1	4/22/2010	10.0	4/22/2020	5.73%	1.2
21	**Niagara 13**	6	19.5	7/22/2010	10.0	7/22/2020	5.57%	1.1
22	**Niagara 14**	7	40.4	10/22/2010	10.0	10/22/2020	4.87%	2.0
23	**Niagara 15**		40.0	1/24/2011	10.0	1/22/2021	5.18%	2.1
24	**Niagara 16**		35.0	4/26/2011	10.0	4/22/2021	5.34%	1.9
25	**Niagara 17**		50.0	7/22/2011	10.0	7/22/2021	5.24%	2.6
26	**Niagara 18**		60.0	10/24/2011	10.0	10/22/2021	5.74%	3.4
27	**Niagara 19**		40.0	1/22/2012	10.0	1/22/2022	5.50%	2.2
28	**Niagara 20**		35.0	4/22/2012	10.0	4/22/2022	5.36%	1.9
29	**Niagara 21**		45.0	7/22/2012	10.0	7/22/2022	5.51%	2.5
30	**Niagara 22**		30.0	10/22/2012	10.0	10/22/2022	5.52%	1.7
31	**Niagara 23**		20.0	1/22/2013	10.0	1/22/2023	5.35%	1.1
32	**Niagara 24**		20.0	4/22/2013	10.0	4/22/2023	5.37%	1.1
33	**ILB 1**		15.0	12/29/2016	5.0	1/4/2022	5.84%	0.9
34	**ILB 2**		4.3	12/29/2017	4.0	1/4/2022	5.84%	0.3
35	**ILB 3**		2.2	12/31/2018	3.0	1/4/2022	5.84%	0.1
36	**ILB 4**		3.5	12/31/2019	2.0	1/4/2022	5.84%	0.2
37	**Green Bond 1**		417.1	6/22/2018	30.0	6/22/2048	3.92%	16.3
38	**Green Bond 2**		0.4	1/18/2019	30.0	1/18/2049	4.34%	0.0
39	**Total**		900.5				4.73%	42.6
	Total Regulated Funded Long-Term Debt							
40	Line 18+39		3,889.3				4.01%	156.1

See Ex. C1-1-2 Table 6a for notes

* For debt issues that are issued or mature during the year the face value is reduced to reflect only that portion of the year the debt issue is financing the rate base.

Numbers may not add due to rounding.

Table 6a
Capitalization and Cost of Capital
Summary of Existing and Planned Long-Term Debt ($M)
Outstanding During Calendar Year Ending Dec. 31, 2020
Notes to Ex. C1-1-2, Table 6

	Issue	Issue Date	Face Value ($M)	Effective Days	Weighted Principal ($M)
Note 1	Issue 39	3/16/2020	400.0	291.0	318.0
	Issue	Maturity Date	Face Value ($M)	Effective Days	Weighted Principal ($M)
Note 2	Issue 23	3/22/2020	230.0	82.0	51.5
Note 3	Issue 25	9/22/2020	230.0	266.0	167.2
Note 4	Niagara 11	1/22/2020	50.0	22.0	3.0
Note 5	Niagara 12	4/22/2020	65.0	113.0	20.1
Note 6	Niagara 13	7/22/2020	35.0	204.0	19.5
Note 7	Niagara 14	10/22/2020	50.0	296.0	40.4

Note 8 Allocation ratio as per Ex. C1-1-2 Table 1, line 13, col (d).
A preliminary 2020 allocation ratio was used based on OPG's 2020 financial results

Numbers may not add due to rounding.

Table 7

Nuclear Facilities - Asset Retirement Obligation, Nuclear Segregated Funds, and Asset Retirement Costs ($M)

Year Ending December 31 2020

Line No.	Description	Note	2020 Actual	
			Prescribed Facilities	Bruce Facilities
			(a)	(b)
	ASSET RETIREMENT OBLIGATION			
1	**Opening Balance**	1	10,412 2	11,361.4
2	**Used Fuel Storage and Disposal Variable Expenses**		55 2	60.1
3	**Low & Intermediate Level Waste Management Variable Expenses**	2	8 3	4 0
4	**Accretion Expense**		550 6	504.1
5	**Expenditures for Used Fuel, Waste Management & Decommissioning**		(237 8)	(174.4)
6	**Consolidation and Other Adjustments**		0 0	0 0
7	**Closing Balance Before Year-End Adjustments** (lines 1 through 6)		10,788 5	11,755.1
8	**2017 ONFA Reference Plan Adjustment - Ongoing Operations**		0 0	0 0
9	**2017 ONFA Reference Plan Adjustment - Legacy Facilities**		0 0	0 0
10	**Year-End 2017 and 2020 Adjustments Reflecting Nuclear Station End of Life Changes**		51.1	13 0
11	**Closing Balance** (line 7 through 10)		10,839 6	11,768 0
12	**Average Asset Retirement Obligation** ((line 1 + line 7)/2)		10,600 3	11,558 2
	NUCLEAR SEGREGATED FUNDS BALANCE			
13	**Opening Balance**	1	9,780 0	8,512 6
14	**Earnings (Losses)**		501.7	439 0
15	**Contributions**		102 5	(102.5)
16	**Disbursements**		(64 5)	(72.7)
17	**Closing Balance** (line 13 through 16)		10,319.7	8,776.4
18	**Average Nuclear Segregated Funds Balance** ((line 13 + line 17)/2)		10,049 9	8,644 5
	UNFUNDED NUCLEAR LIABILITY BALANCE (UNL)			
19	**Opening Balance** (line 1 - line 13)		632.1	
20	**Closing Balance** (line 7 - line 17)		468.7	
21	**Average Unfunded Nuclear Liability Balance** ((line 19 + line 20)/2)		550.4	
	ASSET RETIREMENT COSTS (ARC)			
22	**Opening Balance**	1	447.4	2,816 0
23	**Depreciation Expense**		(82 2)	(69.2)
24	**Closing Balance Before Year-End Adjustments** (line 22 + line 23)		365 2	2,746.7
25	**2017 ONFA Reference Plan Adjustment - Ongoing Facilities**		0 0	0 0
26	**Year-End 2017 and 2020 Adjustments Reflecting Nuclear Station End of Life Changes**		51.1	13 0
27	**Closing Balance** (line 24 + line 25 + line 26)		416 3	2,759.7
28	**Average Asset Retirement Costs** ((line 22 + line 24)/2)		406 3	2,781.4
30	**LESSER OF AVERAGE UNL OR ARC** (lesser of line 21 or line 28, if >0)		406 3	

Notes:

1 Opening balances for Prescribed Facilities from Ex. C2-1-1 Table 2, and Ex. C2-1-1 Table 3 for Bruce Facilities.

2 A portion of expenses for Prescribed Facilities relates to OM&A costs charged to the Darlington Refurbishment Program for disposal of low and intermediate level waste (Ex. F2-7-1, Table 1).

Numbers may not add due to rounding.

Table 8

Comparison of In-Service Capital Additions - Support Services ($M) 2016-2021

Line No.	Business Unit	2016 Budget	(c)-(a) Change	2016 Actual	(g)-(c) Change	2017 OEB Approved[1]	(g)-(e) Change	2017 Actual	(k)-(g) Change	2018 OEB Approved[1]	(k)-(i) Change	2018 Actual
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	**IT - Nuclear Rate Base**	3.3	0.0	3.3	4.7	5.8	2.2	8.0	10.3	12.7	5.6	18.3
2	**IT - Asset Service Fee**	41.0	(12.9)	28.1	(5.0)	7.1	16.0	23.1	13.2	11.7	24.6	36.3
3	**Real Estate - Nuclear Rate Base**	5.6	0.0	5.6	(5.7)	24.0	(24.0)	0.0	15.0	4.7	10.3	15.0
4	**Real Estate - Asset Service Fee**	7.2	(0.6)	6.6	(1.0)	2.0	3.6	5.6	(0.7)	3.0	1.9	4.9
5	**Clarington Corporate Campus**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	**Microsoft Enterprise Agreement**	0.0	0.0	0.0	23.6	0.0	23.6	23.6	(23.6)	0.0	0.0	0.0
7	**Minor Fixed Assets**	1.2	1.2	2.4	(2.3)	1.2	(1.1)	0.1	1.0	1.2	(0.1)	1.1
8	**Total Support Services**	58.3	(12.3)	46.0	14.3	40.1	20.3	60.4	15.2	33.3	42.3	75.6

Line No.	Business Unit	2018 Actual	(e)-(a) Change	2019 OEB Approved[1]	(e)-(c) Change	2019 Actual	(i)-(e) Change	2020 OEB Approved[1]	(i)-(g) Change	2020 Actual	(k)-(i) Change	2021 Budget
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
9	**IT - Nuclear Rate Base**	18.3	(1.9)	0.0	16.3	16.3	5.9	3.7	18.5	22.2	14.2	36.4
10	**IT - Asset Service Fee**	36.3	0.3	17.0	19.7	36.7	34.5	17.0	54.1	71.1	(14.8)	56.3
11	**Real Estate - Nuclear Rate Base**	15.0	10.8	7.7	18.0	25.7	(13.2)	1.0	11.5	12.5	9.8	22.3
12	**Real Estate - Asset Service Fee**	4.9	20.1	3.0	22.0	25.0	(21.5)	3.0	0.5	3.5	(2.2)	1.3
13	**Clarington Corporate Campus**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	**Microsoft Enterprise Agreement**	0.0	0.0	0.0	0.0	0.0	22.9	0.0	22.9	22.9	(22.9)	0.0
15	**Minor Fixed Assets**	1.1	1.7	1.2	1.6	2.8	2.9	1.2	4.5	5.7	(2.3)	3.5
16	**Total Support Services**	75.6	30.9	28.9	77.6	106.5	31.5	25.9	112.1	138.0	(18.2)	119.8

Notes:

1 Per EB-2016-0152, D3-1-2 Table 5 except for IT and Real Estate rate base values which are allocations of Support Services values shown on EB-2016-0152 J21.1 Att 2, Table 1

Numbers may not add due to rounding.

Table 9

Capital Expenditures Summary - Nuclear ($M)

Line No.	Category	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	**Operations Capital**	300.5	354.3	381.9	395.3	386.2	407.5	413.0	382.3	481.4	302.9	221.2
2	**Darlington Refurbishment Capital**	1,019.2	1,249.3	1,079.2	1,150.5	699.3	1,006.9	1,136.2	1,077.4	963.5	585.1	352.2
3	**Total Nuclear Capital**	1,319.6	1,603.6	1,461.1	1,545.8	1,085.5	1,414.4	1,549.2	1,459.8	1,444.9	888.0	573.4

Numbers may not add due to rounding.

Table 10

Capital Expenditures Summary - Nuclear Operations ($M)

Line No.	Category	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Portfolio Projects (Allocated)											
1	**Darlington NGS**	170.8	222.6	272.0	277.6	277.7	356.7	361.1	291.8	261.3	214.4	134.9
2	**Pickering NGS**	81.2	82.7	46.1	38.6	25.6	9.3	0.4	0.0	0.0	0.0	0.0
3	**Operations and Project Support**	20.6	28.2	39.3	29.2	40.1	61.9	18.8	4.6	1.8	3.1	0.0
4	**Subtotal Portfolio Projects (Allocated)**	272.6	333.5	357.4	345.4	343.4	427.9	380.4	296.3	263.2	217.5	134.9
5	**Portfolio Projects (Unallocated)**	0.0	0.0	0.0	0.0	0.0	(47.4)	13.0	48.5	33.6	66.7	56.9
6	**Subtotal Project Capital (Portfolio)**	272.6	333.5	357.4	345.4	343.4	380.6	393.3	344.8	296.7	284.2	191.8
7	**Darlington New Fuel**	0.0	0.0	0.0	16.8	0.2	0.0	0.0	16.5	16.9	0.0	18.1
8	**Darlington Water Treatment Plant Lease**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.6	0.0	0.0
9	**Darlington Spacer Retrieval**[1]	4.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	**Pickering Extended Operations**	0.0	0.0	2.8	9.0	19.7	2.9	0.0	0.0	0.0	0.0	0.0
11	**Minor Fixed Assets**[2]	23.1	19.8	21.7	24.1	22.8	24.1	19.6	21.0	29.2	18.7	11.4
12	**Total Nuclear Operations Capital**	300.5	354.3	381.9	395.3	386.2	407.5	413.0	382.3	481.4	302.9	221.2

Notes

1 Project #82949 DN X-750 Spacer Retrieval CMFA. This is a CRVA eligible project.

2 Includes expenditures for Pickering Extended Operations of $1.4M in 2018; $0.6M in 2019, $0M in 2020 and $0.4M in 2021. Pickering Extended Operations is CRVA eligible.

Numbers may not add due to rounding.

Table 11

Comparison of In-Service Capital Additions - Nuclear Operations ($M)

Line No.	Business Unit	2016 Budget	(c)-(a) Change	2016 Actual	(g)-(c) Change	2017 OEB Approved[1]	(g)-(e) Change	2017 Actual	(k)-(g) Change	2018 OEB Approved[1]	(k)-(i) Change	2018 Actual
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	**Darlington NGS**	325.9	(105.6)	220.3	(16.3)	226.1	(22.1)	204.1	81.8	216.4	69.5	285.8
2	**Pickering NGS**	146.0	(98.0)	47.9	132.4	172.8	7.5	180.3	(113.9)	47.5	18.9	66.4
3	**Operations and Project Support[2]**	36.0	(34.2)	1.8	40.8	49.2	(6.6)	42.6	(26.2)	45.9	(29.5)	16.4
4	**Subtotal**	507.9	(237.8)	270.1	156.9	448.2	(21.2)	427.0	(58.4)	309.8	58.8	368.6
5	**Supplemental In-Service Forecast[3]**	(41.8)	41.8	0.0	0.0	(1.6)	1.6	0.0	0.0	24.9	(24.9)	0.0
6	**Total Portfolio In-Service Forecast**	466.0	(195.9)	270.1	156.9	446.6	(19.6)	427.0	(58.4)	334.7	33.9	368.6
7	**Darlington New Fuel**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	**Darlington Water Treatment Plant Lease**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	**Darlington Spacer Retrieval [4]**	0.0	0.0	0.0	5.8	6.4	(0.6)	5.8	(5.8)	0.0	0.0	0.0
10	**Pickering Extended Operations**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	**Minor Fixed Assets**	31.0	(14.7)	16.3	15.4	26.0	5.6	31.6	(9.9)	20.0	1.7	21.7
12	**In-Service Capital Additions before Disallowance**	497.0	(210.7)	286.4	178.0	479.0	(14.6)	464.4	(74.1)	354.7	35.6	390.3
13	**OEB Disallowance**					(47.9)				(35.5)		
14	**Total In-Service Capital Additions**	497.0	(210.7)	286.4	178.0	431.1	33.3	464.4	(74.1)	319.2	71.1	390.3

Line No.	Business Unit	2018 Actual	(e)-(a) Change	2019 OEB Approved1	(e)-(c) Change	2019 Actual	(i)-(e) Change	2020 OEB Approved1	(i)-(g) Change	2020 Actual	(k)-(i) Change	2021 Budget
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
15	**Darlington NGS**	285.8	(25.3)	295.7	(35.2)	260.5	(74.9)	101.3	84.4	185.6	53.9	239.5
16	**Pickering NGS**	66.4	(29.6)	9.7	27.0	36.8	(1.1)	29.7	5.9	35.7	(14.8)	20.9
17	**Operations and Project Support[2]**	16.4	(11.9)	44.3	(39.8)	4.5	10.1	0.0	14.6	14.6	50.8	65.4
18	**Subtotal**	368.6	(66.8)	349.8	(48.0)	301.8	(65.9)	131.0	104.9	235.9	89.9	325.8
19	**Supplemental In-Service Forecast[3]**	0.0	0.0	16.6	(16.6)	0.0	0.0	78.8	(78.8)	0.0	(23.1)	(23.1)
20	**Total Portfolio In-Service Forecast**	368.6	(66.8)	366.3	(64.5)	301.8	(65.9)	209.8	26.0	235.9	66.8	302.7
21	**Darlington New Fuel**	0.0	0.0	0.0	0.0	0.0	17.1	15.3	1.7	17.1	(17.1)	0.0
22	**Darlington Water Treatment Plant Lease**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	**Darlington Spacer Retrieval[4]**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	**Pickering Extended Operations**	0.0	0.8	0.0	0.8	0.8	22.5	0.0	23.3	23.3	(18.2)	5.1
25	**Minor Fixed Assets**	21.7	1.8	19.1	4.5	23.5	(0.7)	19.5	3.3	22.8	1.3	24.1
26	**Total In-Service Capital Additions**	390.3	(64.2)	385.4	(59.3)	326.1	(27.1)	244.7	54.4	299.0	32.7	331.8
27	**OEB Disallowance**			(38.5)				(24.5)				
28	**Total In-Service Capital Additions**	390.3	(64.2)	346.9	(20.8)	326.107254	(27.1)	220.2	78.9	299.0	32.7	331.8

Notes:

1 In-service additions per EB-2016-0152, Ex. J21.1, Attachment 2, Table 2. Amounts in this schedule do not reflect OEB-ordered reductions for: Auxiliary Heating System in-service amount (EB-2016-0152 Decision and Order, p. 21); Operations Support Building in-service amount (EB-2016-0152 Decision and Order, p. 22). These reductions are reflected in total nuclear rate base amounts in Ex. B3-2-1, Table 1. The 2017-2020 sub-components within the total portfolio in service forecast has also been adjusted for reclassification of projects from Darlington to Operations and Projects Support with no change to total amount.

2 Includes Engineering, Inspection and Reactor Innovation, and Security & Emergency Services.

3 Supplemental forecast to reconcile BCS in-service estimates to final business plan (see Ex. D2-1-3, Section 4.0).

4 Project #82949 DN X-750 Spacer Retrieval CMFA. OEB Approved amounts for Darlington Spacer Retreival per EB-2016-0152, Schedule 1, Staff-024, which were reflected in EB-2016-0152 Ex. J21.1, Attachment 2, Table 1.

Numbers may not add due to rounding.

Table 12

Capital Expenditures Summary - Darlington Refurbishment Program ($M)

Line No.	Description	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Darlington Refurbishment											
	Darlington Refurbishment Unit Refurbishment [1]											
1	Darlington Refurbishment Program - Definition Phase	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	Darlington Refurbishment Program - Execution Phase	756.3	1,156.4	1,014.9	1,102.6	689.3	1,006.9	1,136.2	1,077.4	963.5	585.1	352.2
3	**Total Darlington Refurbishment Unit Refurbishment**	756.3	1,156.4	1,014.9	1,102.6	689.3	1,006.9	1,136.2	1,077.4	963.5	585.1	352.2
4	Facilities and Infrastructure Projects	10.6	1.5	0.9	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
5	D2O Storage Project [2]	146.9	58.3	60.5	43.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0
6	Safety Improvement Opportunities	105.4	33.0	2.9	3.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0
7	**Total Darlington Refurbishment**	1,019.2	1,249.3	1,079.2	1,150.5	699.3	1,006.9	1,136.2	1,077.4	963.5	585.1	352.2

Notes:

1 The DRP Unit Refurbishment includes the Unit 2, Unit 3, Unit 1, Unit 4, and Early In-Service projects.

2 D2O Storage Project is a Facilities and Infrastructure Project.

Numbers may not add due to rounding.

Table 13

Capital Expenditures Summary - Support Services ($M)

(Capital Expenditures Impacting Nuclear Rate Base or Asset Service Fee)

Line No.	Support Services	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	**IT**	36.0	55.0	62.7	53.1	95.2	106.9	91.2	78.5	81.2	83.2	83.2
2	**Real Estate**	14.4	14.4	25.9	35.1	19.9	31.3	29.5	4.2	12.3	11.6	8.4
3	**Microsoft Enterprise Agreement**	0.0	23.6	0.0	0.0	22.9	0.0	0.0	23.0	0.0	0.0	23.0
4	**Clarington Corporate Campus**	0.0	0.0	0.0	0.0	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
5	**Total**	50.3	92.9	88.6	88.2	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

Numbers may not add due to rounding.

Table 14

Production Forecast Trend - Nuclear (TWh)

Line No.	Prescribed Facility	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	**Darlington NGS**	25.6	19.3	20.0	19.9	23.4	16.9	13.4	9.6	12.0	13.5	21.5
2	**Pickering NGS**	19.9	21.4	20.9	23.6	20.5	21.4	19.8	21.2	21.4	16.6	0.0
3	**Total**	45.6	40.7	40.9	43.5	43.8	38.3	33.2	30.8	33.3	30.2	21.5

Numbers may not add due to rounding.

Table 15

Comparison of Production Forecast - Nuclear

Line No.	Business Unit	2016 Budget	(c)-(a) Change	2016 Actual	(g)-(c) Change	2017 OEB Approved[3]	(g)-(e) Change	2017 Actual	(k)-(g) Change	2018 OEB Approved[3]	(k)-(i) Change	2018 Actual
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Darlington NGS											
1	**TWh**	26.0	(0.4)	25.6	(6.4)	19.0	0.2	19.3	0.8	19.3	0.8	20.0
2	**Unit Capability Factor (%)**	91.1	(1.6)	89.5	(4.3)	85.1	0.0	85.2	3.4	86.0	2.5	88.6
3	**PO Days[1 2 4]**	111.0	(0.9)	110.1	0.8	148.4	(37.5)	110.9	(1.6)	143.3	(34.0)	109.3
4	**Refurb PO Days**	78.0	0.0	78.0	287.0	365.0	0.0	365.0	0.0	365.0	0.0	365.0
5	**FEPO Days[4]**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8	2.8
6	**FLR (%)**	1.0	1.3	2.3	(0.6)	1.0	0.7	1.7	(0.6)	1.0	0.1	1.1
7	**FLR Days Equivalent**	12.7	17.1	29.8	(13.5)	9.4	6.9	16.4	(5.3)	9.5	1.5	11.0
	Pickering NGS											
8	**TWh**	20.8	(0.8)	19.9	1.5	19.1	2.3	21.4	(0.6)	19.2	1.7	20.9
9	**Unit Capability Factor (%)**	77.6	(2.4)	75.2	4.8	71.5	8.5	80.0	(0.9)	72.0	7.1	79.1
10	**PO Days[2]**	401.6	(32.3)	369.3	(44.8)	541.6	(217.1)	324.5	24.6	530.8	(181.7)	349.1
11	**FEPO Days**	0.0	93.5	93.5	(81.9)	0.0	11.6	11.6	(11.6)	0.0	0.0	0.0
12	**FLR (%)**	5.0	(0.9)	4.1	1.1	5.0	0.2	5.2	0.1	5.0	0.3	5.3
13	**FLR Days Equivalent**	89.7	(19.5)	70.2	25.6	82.4	13.3	95.7	1.5	83.0	14.3	97.2
	Totals											
14	**Unit Capability Factor (%)**	84.6	(2.0)	82.7	(0.3)	77.8	4.6	82.4	1.1	78.5	5.0	83.5
15	**PO Days[1 2]**	512.6	(33.2)	479.4	(44.0)	690.0	(254.6)	435.4	23.0	674.1	(215.7)	458.4
16	**FEPO Days**	0.0	93.5	93.5	(81.9)	0.0	11.6	11.6	(8.8)	0.0	2.8	2.8
17	**FLR (%)**	2.8	0.3	3.1	0.5	3.0	0.5	3.6	(0.3)	3.0	0.3	3.3
18	**FLR Days Equivalent**	102.4	(2.5)	100.0	12.1	91.8	20.2	112.1	(3.8)	92.5	15.8	108.3
19	**Total TWh**	46.8	(1.2)	45.6	(4.9)	38.1	2.6	40.7	0.2	38.5	2.4	40.9

Line No.	Business Unit	2018 Actual	(e)-(a) Change	2019 OEB Approved[3]	(e)-(c) Change	2019 Actual	(i)-(e) Change	2020 OEB A 3	(i)-(g) Change	2020 Actual	(k)-(i) Change	2021 Budget
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Darlington NGS											
20	**TWh**	20.0	(0.2)	19.7	0.2	19.9	3.5	17.7	5.7	23.4	(6.5)	16.9
21	**Unit Capability Factor (%)**	88.6	(1.1)	87.8	(0.3)	87.4	5.6	79.4	13.7	93.1	(17.0)	76.0
22	**PO Days[1 2 4]**	109.3	(24.4)	119.1	(34.2)	84.9	(51.9)	183.2	(150.2)	33.0	195.2	228.2
23	**Refurb PO Days**	365.0	0.0	365.0	0.0	365.0	(90.1)	366.0	(91.1)	274.9	90.1	365.0
24	**FEPO Days[4]**	2.8	(2.8)	0.0	0.0	0.0	1.3	0.0	1.3	1.3	(1.3)	0.0
25	**FLR (%)**	1.1	3.7	1.0	3.8	4.8	(3.3)	4.2	(2.6)	1.5	2.3	3.8
26	**FLR Days Equivalent**	11.0	37.3	9.7	38.6	48.3	(30.6)	38.1	(20.4)	17.7	15.2	32.8
	Pickering NGS											
27	**TWh**	20.9	2.8	19.4	4.2	23.6	(3.1)	19.6	0.9	20.5	0.9	21.4
28	**Unit Capability Factor (%)**	79.1	8.5	72.6	15.0	87.6	(11.3)	73.4	2.8	76.3	3.8	80.0
29	**PO Days[2]**	349.1	(115.8)	517.2	(283.9)	233.3	216.7	498.9	(48.9)	450.0	(92.1)	357.9
30	**FEPO Days**	0.0	0.0	0.0	0.0	0.0	13.0	0.0	13.0	13.0	(13.0)	0.0
31	**FLR (%)**	5.3	(3.7)	5.0	(3.4)	1.6	1.1	5.0	(2.3)	2.7	0.9	3.5
32	**FLR Days Equivalent**	97.2	(66.1)	83.6	(52.5)	31.1	14.5	84.9	(39.2)	45.6	17.9	63.6
	Totals											
33	**Unit Capability Factor (%)[5]**	83.5	4.0	79.6	7.9	87.5	(3.1)	76.2	8.3	84.5	(6.3)	78.2
34	**PO Days[1 2]**	458.4	(140.2)	636.3	(318.1)	318.2	164.8	682.1	(199.1)	483.0	103.1	586.1
35	**FEPO Days**	2.8	(2.8)	0.0	0.0	0.0	14.3	0.0	14.3	14.3	(14.3)	0.0
36	**FLR (%)**	3.3	(0.2)	3.0	0.1	3.1	(1.1)	4.6	(2.5)	2.1	1.6	3.6
37	**FLR Days Equivalent**	108.3	(28.8)	93.4	(13.9)	79.4	(16.1)	122.9	(59.6)	63.3	33.1	96.4
38	**Total TWh**	40.9	2.6	39.0	4.4	43.5	0.5	37.4	6.6	43.8	(5.6)	38.3

Notes

1 PO days excludes planned outage days for Darlington units out of service during Darlington refurbishment.
2 PO days excludes planned outage equivalent days for planned derating of units or staggered unit shutdown.
3 OEB Approved amounts are per EB-2016-0152, E2-1-2 Table 1, and approved in the Decision and Order, pp. 11-13.
4 The 2018 Darlington PO Days prefiled amount of 107.3 has been corrected to 109.3. The 2018 Darlington FEPO days prefiled amount of 2.7 has been corrected to 2.8.
5 The 2019 OEB Approved Unit Capability Factor prefiled value of 39.0 has been corrected to 79.6

Numbers may not add due to rounding.

Table 16

Operating Costs Summary - Nuclear ($M)

Line No.	Cost Item	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	OM&A:											
	Nuclear Operations OM&A											
1	**Base OM&A**	1,267.5	1,301.1	1,255.5	1,265.6	1,296.8	1,311.3	1,322.7	1,313.3	1,298.2	1,069.5	616.3
2	**Project OM&A**	89.1	122.7	119.1	106.1	99.6	122.3	89.1	85.0	80.6	76.7	62.0
3	**Outage OM&A**	306.7	317.4	344.9	264.3	293.9	431.2	279.1	361.2	212.4	192.6	61.3
4	**Subtotal Nuclear Operations OM&A**	1,663.4	1,741.3	1,719.4	1,636.0	1,690.2	1,864.8	1,690.9	1,759.5	1,591.2	1,338.8	739.7
5	**Darlington Refurbishment OM&A**	3.1	36.1	31.3	1.7	19.0	42.9	24.2	23.6	29.3	25.0	8.4
6	**Darlington New Nuclear OM&A**	0.8	0.7	2.4	5.0	13.1	206.0	2.2	2.2	2.3	2.3	2.3
7	**Allocation of Corporate Costs**	360.5	377.0	368.6	361.7	370.1	396.1	387.9	380.0	375.3	334.3	252.9
8	**Allocation of Centrally Held Costs**	306.0	242.9	256.2	238.6	215.6	197.2	184.5	161.6	143.9	98.9	14.7
9	**Asset Service Fees[1]**	34.1	35.6	37.0	47.8	55.6	54.6	51.5	55.2	65.1	69.7	65.3
10	**Subtotal Other OM&A**	704.5	692.3	695.6	654.8	673.4	896.8	650.3	622.6	615.9	530.2	343.6
11	**Total OM&A**	2,367.9	2,433.6	2,415.0	2,290.8	2,363.6	2,761.5	2,341.2	2,382.0	2,207.1	1,869.0	1,083.3
12	**Nuclear Fuel Costs**	262.1	225.2	231.6	244.5	234.9	202.5	178.3	182.1	209.4	188.6	148.2
	Other Operating Cost Items:											
13	**Depreciation and Amortization**	281.6	366.1	324.1	333.0	454.1	545.2	553.0	471.5	578.7	521.6	568.6
14	**Income Tax**	(39.5)	(27.7)	(4.2)	33.1	152.5	(17.6)	(16.5)	(16.3)	(16.4)	(16.1)	(15.9)
15	**Property Tax**	14.1	13.0	12.7	12.5	12.0	12.6	12.9	13.2	13.6	12.7	9.8
16	**Total Operating Costs**	2,886.2	3,010.2	2,979.2	2,913.9	3,217.0	3,504.2	3,068.9	3,032.6	2,992.4	2,575.8	1,793.9

Notes:

1 Includes asset service fees of $2.3M (2022), $2.2M (2023), $2.0M (2024), $3.5M (2025) and $3.2M (2026) charged to Laurentis Energy Partners for the use of Darlington reactors to produce Molybdenum-99 (Ex. F3-1-4)

Numbers may not add due to rounding.

Table 17

Nuclear Staff Summary - Regular and Non-Regular (FTEs)

Line No.	Group	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	NUCLEAR OM&A											
1	**Regular Staff**	5,072.6	5,034.6	4,827 9	4,571.9	4,356.9	4,209.7	3,973.1	3,865.2	3,685.9	3,069 2	2,117.0
	Non-Regular Staff											
2	Term and Extended Temporary	12.0	91.1	223 8	378.5	584.4	787.2	885 3	875.1	881.6	600.7	0.0
3	Temporary	716.4	741.2	785 0	769.2	766.2	783.4	561 0	523.5	412.5	180 6	115.4
4	EPSCA	46.3	72.3	85 0	71.4	76.7	81.9	87 6	84.1	79.3	55 9	49.5
5	**Total Non-Regular Staff**	774.7	904.6	1,093.7	1,219.2	1,427.3	1,652.5	1,533 9	1,482.7	1,373.5	837 2	164.9
6	**Subtotal Nuclear OM&A**	5,847.4	5,939.2	5,921.7	5,791.0	5,784.2	5,862.1	5,507 0	5,347.8	5,059.4	3,906.4	2,281.9
	NUCLEAR CAPITAL											
7	**Regular Staff**	228.8	251.8	237 3	227.2	222.1	242.8	220 5	221.0	224.7	207.7	186.7
	Non-Regular Staff											
8	Term and Extended Temporary	0.0	0.1	0 9	1.0	5.2	15.3	17 0	17.6	15.9	2 9	0.0
9	Temporary	32.8	39.7	41 3	48.8	51.1	88.0	85.4	83.3	82.8	76.7	72.2
10	EPSCA	24.2	26.1	25 6	39.6	26.0	52.7	44.1	36.6	22.9	21 9	20.6
11	**Total Non-Regular Staff**	57.1	65.9	67.7	89.4	82.2	155.9	146 5	137.4	121.6	101 5	92.8
12	**Subtotal Nuclear Capital**	285.9	317.7	305 0	316.6	304.3	398.7	367 0	358.4	346.2	309 2	279.5
	DARLINGTON REFURBISHMENT											
13	**Regular Staff**	427.3	537.2	543 5	525.8	440.8	503.7	545 0	545.3	500.2	417 2	247.9
	Non-Regular Staff											
14	Temporary	41.0	59.7	81 3	131.3	118.1	154.5	155 8	161.2	142.5	96 0	52.6
15	EPSCA	73.1	187.6	249 8	200.8	128.6	221.7	243.1	284.6	215.6	149.1	55.0
16	**Total Non-Regular Staff**	114.0	247.3	331.1	332.1	246.7	376.2	398 9	445.7	358.2	245 0	107.5
17	**Subtotal Darlington Refurbishment**	541.3	784.6	874 6	857.9	687.5	879.9	944 0	991.0	858.4	662 2	355.4
	NUCLEAR PROVISION											
18	**Regular Staff**	309.7	334.0	332.7	326.5	332.0	403.5	413.4	420.6	522.5	796 9	1,432.0
	Non-Regular Staff											
19	Term and Extended Temporary	0.2	1.1	3 8	4.7	8.1	5.0	6 0	6.0	6.0	17 2	92.0
20	Temporary	30.6	38.2	38.7	43.0	44.0	43.7	45 6	45.5	49.9	42 3	35.0
21	EPSCA	1.0	3.5	4 3	3.0	3.0	3.0	3 0	3.0	3.0	3 0	3.0
22	**Total Non-Regular Staff**	31.8	42.8	46 8	50.8	55.0	51.7	54 6	54.5	58.9	62 5	130.0
23	**Subtotal Nuclear Provision**	341.4	376.8	379 5	377.3	387.1	455.2	468 0	475.1	581.3	859.4	1,562.0
	NUCLEAR NON-ENERGY DIRECT											
24	**Regular Staff**	23.0	15.9	17.7	21.9	17.7	26.0	26 0	26.0	26.0	13 0	13.9
	Non-Regular Staff											
25	Term and Extended Temporary	0.0	0.0	0 0	0.0	0.7	0.0	0 0	0.0	0.0	0 0	0.0
26	Temporary	4.5	6.1	6.1	2.0	1.1	0.0	0 0	0.0	0.0	0 0	0.0
27	**Total Non-Regular Staff**	4.5	6.1	6.1	2.0	1.8	0.0	0 0	0.0	0.0	0 0	0.0
28	**Subtotal Nuclear Non-Energy Direct**	27.5	22.0	23 9	23.9	19.5	26.0	26 0	26.0	26.0	13 0	13.9
29	**Total Nuclear**	7,043.5	7,440.2	7,504 6	7,366.7	7,182.7	7,621.9	7,312 0	7,198.4	6,871.3	5,750 2	4,492.6

Numbers may not add due to rounding.

Table 18

Base OM&A - Nuclear ($M)

Line No.	Function	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Nuclear Stations[1]											
1	Darlington NGS	337.2	337.2	329.2	329.7	341.1	342.5	350.1	348.6	355.6	358.0	369.4
2	Pickering NGS	468.5	481.9	447.1	458.4	463.2	462.0	463.8	460.0	436.7	319.1	0.0
3	**Total Nuclear Stations**	805.7	819.0	776.3	788.1	804.3	804.5	813.9	808.6	792.3	677.1	369.4
	Operations and Project Support[1,2,3]											
4	Enterprise Engineering	218.3	224.9	205.5	212.1	215.7	219.4	231.1	229.8	236.0	187.9	112.1
5	Security & Training	146.8	152.5	152.5	151.7	160.4	162.4	163.6	165.4	161.7	125.7	78.2
6	Integrated Fleet Management	68.3	65.9	62.7	61.1	59.6	61.0	67.0	68.1	70.2	48.3	31.7
7	Enterprise Projects	6.8	9.8	10.7	10.7	13.8	10.5	12.0	11.1	10.6	9.9	9.3
8	Other Support[4]	12.1	13.6	37.2	28.1	27.4	23.6	23.3	23.5	21.8	20.3	15.6
9	**Total Operations and Project Support**	452.3	466.7	468.6	463.7	477.0	476.9	497.0	497.8	500.2	392.0	246.9
	CRVA Eligible Costs[2]											
10	Fuel Channel Life Extension Ongoing	0.0	0.4	0.6	1.7	7.8	15.0	5.9	4.3	0.8	0.4	0.0
11	Pickering Extended Operations Enabling	9.6	14.9	10.0	12.1	7.2	10.3	0.0	0.0	0.0	0.0	0.0
12	Optimization of Pickering Shutdown Enabling	0.0	0.0	0.0	0.0	0.5	4.6	5.8	2.7	4.8	0.0	0.0
13	**Total CRVA Eligible Costs**	9.6	15.3	10.5	13.8	15.6	29.9	11.7	7.0	5.6	0.4	0.0
14	**Total Base OM&A**	1,267.5	1,301.1	1,255.5	1,265.6	1,296.8	1,311.3	1,322.7	1,313.3	1,298.2	1,069.5	616.3

Notes:

1 The figures presented here are 2016 Actuals that have been restated for Nuclear organizational changes and transfers from Corporate Support ((See Ex. A1-3-1 Attachment 1 and Ex. F2-2-1, Attachment 1).

2 CRVA Eligible Costs are shown separately, but were previously included in Operations and Project Support (which was called Nuclear Support in EB-2016-0152) with a footnote.

3 Operations and Project Support has been allocated between Darlington and Pickering station:

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Darlington NGS	187.0	197.2	192.7	193.1	208.9	218.5	222.5	227.6	227.1	220.6	246.9
Pickering NGS	265.3	269.6	275.9	270.5	268.1	258.5	274.6	270.2	273.1	171.4	0.0

4 The 2016 negative labour price variance reported in “Other Support” in EB-2016-0152, Ex. F2-2-2, p. 2, is now reflected in Centrally Held costs for both budget and actual.

Numbers may not add due to rounding.

Table 19

Base OM&A - Nuclear ($M)

Line No.	Resource Type	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan	IR Term Percentage[1]
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
1	**Labour**	826.1	849.3	819.0	796.3	782.2	760.7	755.4	739.5	736.7	607.6	422.4	58.0%
2	**Non-Regular Labour**	53.8	59.0	76.3	101.0	125.7	126.5	133.4	136.2	136.3	87.2	12.4	9.0%
3	**Overtime**	66.4	69.8	68.5	70.1	70.4	66.8	70.4	69.4	69.2	55.1	34.4	5.3%
4	**Augmented Staff**	12.3	14.5	11.6	11.8	13.3	11.7	11.2	11.1	10.7	3.6	1.0	0.7%
5	**Materials**	83.0	97.2	95.4	95.2	100.2	102.9	105.0	106.9	106.7	92.3	44.8	8.1%
6	**License Fees**	36.0	32.1	34.7	36.0	31.6	39.3	40.7	42.1	43.3	36.7	22.1	3.3%
7	**Other Purchased Services**	130.5	128.1	107.9	115.9	127.7	157.1	158.4	160.5	148.7	149.7	58.0	12.0%
8	**Other**[2]	59.6	50.9	42.1	39.3	45.7	46.3	48.2	47.6	46.5	37.3	21.1	3.6%
9	**Total Base OM&A**	1,267.5	1,301.1	1,255.5	1,265.6	1,296.8	1,311.3	1,322.7	1,313.3	1,298.2	1,069.5	616.3	100.0%

Notes:

1 IR Term Percentage = Sum of IR Term Resource Costs divided by Sum of IR Term Base OM&A.

2 Other costs include Variable Low & Intermediate Level Waste fees:

2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
2.2	4.8	5.9	5.1	6.9	5.8	4.8	5.1	5.5	4.8	3.5

Numbers may not add due to rounding.

Table 20

Project OM&A Summary - Nuclear ($M)

Line No.	Category	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Portfolio Projects (Allocated)											
1	**Darlington NGS**	18.8	23 0	15.0	18.3	13 9	32.0	19.0	14.2	7.1	4.6	0.8
2	**Pickering NGS**	7.1	13 0	10.8	9.2	1 0	2.0	0.6	0.0	0.0	0.0	0.0
3	**Operations and Project Support[4]**	4.0	2 3	4.4	4.0	7 8	4.0	1.8	0.0	0.0	0.0	0.0
4	**Subtotal Portfolio Projects (Allocated)**	29.9	38 3	30.2	31.5	22.7	38.0	21.4	14.2	7.1	4.6	0.8
5	**Infrastructure[4]**	41.1	69 9	66.5	40.5	41 0	44.0	41.5	49.0	49.0	46.5	42.5
6	**Portfolio Projects (Unallocated)[4]**	0.0	0 0	0.0	0.0	0 0	10.8	18.0	21.8	24.5	25.6	18.7
7	**Subtotal Project OM&A (Portfolio) (line 4+5+6)**	70.9	108 2	96.7	72.0	63.7	92.8	80.8	85.0	80.6	76.7	62.0
8	**Non-Portfolio Projects**											
9	**Pickering Extended Operations**	1.2	0 2	6.3	25.4	30 0	17.6	0.0	0.0	0.0	0.0	0.0
10	**Pickering Optimization of Shutdown**	0.0	0 0	0.0	0.0	0 3	2.0	7.8	0.0	0.0	0.0	0.0
11	**Fuel Channel Life Cycle Mgmt Project**	0.3	0 0	0.0	0.0	0 0	0.0	0.0	0.0	0.0	0.0	0.0
12	**Fuel Channel Life Extension Project**	14.9	11 0	8.1	3.9	0.7	4.4	0.4	0.0	0.0	0.0	0.0
13	**Darlington Spacer Retrieval [1]**	1.8	1 2	0.7	0.0	0 0	0.0	0.0	0.0	0.0	0.0	0.0
14	**Darlington Spacer Life Management [2]**	0.0	2.1	6.9	3.7	3 0	3.1	0.0	0.0	0.0	0.0	0.0
15	**Darlington Unit 3 F/C Comp Retrieval [3]**	0.0	0 0	0.4	1.2	1 9	2.5	0.0	0.0	0.0	0.0	0.0
16	**Total Project OM&A**	89.1	122.7	119.1	106.1	99.6	122.3	89.1	85.0	80.6	76.7	62.0

Notes:

1 Project #80112 - DN X-750 Spacer Retrieval
2 Project #83280 - DN Annulus Spacer Life Mgmt
3 Project #83926 - IRI DNRU3 FC Component Retrieval
4 Operations and Project Support has been allocated between Darlington and Pickering station:

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Darlington NGS	0.6	0.6	2.2	1.8	1.7	2.6	1.7	0.0	0.0	0.0	0.0
Pickering NGS	3.4	1.7	2.3	2.2	6 0	1.4	0.1	0.0	0.0	0.0	0.0

Infrastructure has been allocated between Darlington and Pickering station:

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Darlington NGS	21.9	42.1	44.8	29.0	29 9	32.2	32.0	39.4	39.4	41.4	42.5
Pickering NGS	19.1	27 8	21.7	11.5	10.6	11.8	9.5	9.6	9.6	5.2	0.0

Portfolio Projects (Unallocated) has been allocated between Darlington and Pickering station:

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Darlington NGS	0.0	0 0	0.0	0.0	0.1	6.5	8.8	20.3	24.1	24.9	18.7
Pickering NGS	0.0	0 0	0.0	0.0	0 0	4.2	9.1	1.4	0.4	0.6	0.0

Numbers may not add due to rounding.

Table 21

Outage OM&A - Nuclear ($M)[1]

Line No.	Division	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Darlington Outages											
1	Darlington NGS	90.2	123.5	136.9	90.6	42.7	203.1	73.6	159.1	81.9	156.9	57.8
2	Operations and Project Support[2]	25.2	12.7	12.6	15.4	7.2	42.3	15.8	28.1	12.7	35.7	3.5
3	**Total Darlington Outages**	115.4	136.2	149.5	106.0	49.9	245.4	89.4	187.2	94.7	192.6	61.3
	Pickering Outages											
4	Pickering NGS	128.3	104.1	121.1	88.1	146.4	95.3	119.3	106.8	77.5	0.0	0.0
5	Operations and Project Support[2]	63.0	42.4	52.1	23.3	29.9	31.5	38.0	50.6	26.4	0.0	0.0
6	**Total Pickering Outages**	191.3	146.5	173.3	111.4	176.4	126.8	157.3	157.4	104.0	0.0	0.0
	CRVA Eligible Costs[2]											
7	Fuel Channel Life Extension Ongoing	0.0	31.6	12.8	22.3	20.3	25.2	29.8	14.5	0.3	0.0	0.0
8	Pickering Extended Operations Enabling	0.0	3.2	9.3	24.7	47.3	32.5	0.0	0.0	0.0	0.0	0.0
9	Optimization of Pickering Shutdown Enabling	0.0	0.0	0.0	0.0	0.1	1.2	2.6	2.2	13.5	0.0	0.0
10	**Total CRVA Eligible Costs**	0.0	34.8	22.1	46.9	67.6	59.0	32.4	16.7	13.8	0.0	0.0
11	**Total Outage OM&A**	306.7	317.4	344.9	264.3	293.9	431.2	279.1	361.2	212.4	192.6	61.3

Notes:

1 2016-2021 values have been restated for Nuclear organizational changes and transfers from Corporate Support (See Ex. A1-3-1 Attachment 1 and Ex. F2-2-1, Attachment 1).

2 CRVA Eligible Costs are shown separately, but were previously included in Operations and Project Support (which was called Nuclear Support in EB-2016-0152) with a footnote.

Numbers may not add due to rounding.

Table 22
Nuclear Fuel Costs ($M)

Line No.	Description	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Uranium:											
1	**Darlington NGS[1]**	113.4	86.0	87.3	83.4	98.2	67.4	53.5	40.3	60.1	67.6	103.7
2	**Pickering NGS**	85.3	92.0	89.2	94.4	79.9	78.7	73.8	81.7	85.7	71.6	0.0
3	**Total Fuel Bundle Cost**	198.7	178.0	176.5	177.8	178.1	146.1	127.3	122.0	145.8	139.2	103.7
4	**Total Fuel Bundle Cost[2] ($/MWh)**	4.36	4.37	4.31	4.08	4.07	3.81	3.83	3.96	4.37	4.61	4.82
5	**Used Fuel Storage & Disposal[3]**	61.0	45.1	51.8	65.0	55.2	51.7	46.2	55.2	58.6	44.1	42.9
6	**Fuel Oil**	2.4	2.1	3.3	1.7	1.5	4.7	4.8	5.0	5.1	5.2	1.6
7	**Total Nuclear Fuel Costs**	262.1	225.2	231.6	244.5	234.9	202.5	178.3	182.1	209.4	188.6	148.2

Notes:

1 Includes the impact of an initial fuel load required prior to unit start up of each of the refurbished Darlington units

2 Line 3 divided by nuclear production from Ex. E2-1-1 Table 1, except for 2020 actual, where production is from L-A1-02-Staff-002, Att. 1, Table 14.

3 From Ex. C2-1-1 Table 2, line 2, except for 2020 actual, which is from L-A1-02-Staff-002, Att.1, Table 7 col(a), line 2. Used Fuel Storage & Disposal is discussed in Ex. C2-1-1. Used Fuel Storage & Disposal is discussed in Ex. C2-1-1.

Numbers may not add due to rounding.

Table 23

OM&A - Darlington Refurbishment ($M)

Line No.	Description	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	**Darlington Refurbishment - Unit Refurbishment[1]**	0.8	35.9	31.3	1.7	19.0	42.9	24.2	23.6	29.3	25.0	8.4
2	**Facilities and Infrastructure Projects[2]**	2.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	**Safety Improvement Opportunities**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	**Total Darlington Refurbishment OM&A**	3.1	36.1	31.3	1.7	19.0	42.9	24.2	23.6	29.3	25.0	8.4

Notes:

1 The Unit Refurbishment 2016-2021 amounts include removal costs of existing structures or facilities, and L&ILW variable expense. L&ILW expenses are shown below:

Darlington Refurbishment Project Cost	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
L&ILW variable expenses	1.0	6.5	3.0	0.9	1.4	5.5	6.4	8.7	8.3	3.3	0.8

2 The F&IP 2016-2021 numbers include removal costs of existing structures or facilities prior to construction or modification.

Numbers may not add due to rounding.

Table 24

Corporate Support & Administrative Groups OM&A Costs - OPG ($M)[1]

Line No.	Corporate Costs	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Base OM&A											
1	Chief Information Office	155.1	152.6	145.5	149.8	148.1	154.7	157.0	157.1	152.3	144.4	120.7
2	Real Estate[2]	31.3	38.1	39.9	40.1	46.9	53.7	51.0	51.0	51.0	49.3	30.9
3	Supply Chain	50.3	53.9	53.9	51.0	52.4	46.5	45.6	45.4	45.0	37.3	32.3
4	Finance	48.3	47.4	46.5	43.5	41.1	45.6	46.3	46.0	46.5	44.8	44.7
5	Human Resources	29.9	32.2	30.5	30.1	26.7	29.2	28.8	28.6	26.9	27.4	23.2
6	Environment, Health & Safety	20.6	21.5	21.4	21.5	25.9	27.4	24.4	24.3	24.6	24.6	19.4
7	Corporate Centre	61.7	61.4	56.1	61.1	60.0	66.7	62.9	61.9	63.0	61.7	61.2
8	**Total Base OM&A**	**397.3**	**407.1**	**393.7**	**397.1**	**401.0**	**423.9**	**416.0**	**414.3**	**409.2**	**389.4**	**332.4**
9	**Leases & Utilities[3]**	30.7	35.3	35.7	34.3	26.8	29.4	32.9	31.4	30.1	19.7	17.4
10	**Project OM&A**	**32.8**	**28.9**	**28.7**	**21.3**	**26.5**	**30.4**	**33.9**	**27.4**	**31.9**	**26.7**	**21.6**
11	**Total OM&A**	460.8	471.3	458.0	452.7	454.3	483.7	482.9	473.1	471.3	435.8	371.4

Notes:

1 Corporate Support & Administrative costs have been restated from EB-2016-0152 for organizational changes and transfers to/from Nuclear Support and Renewable Generation & Power Marketing (formerly Hydro-Thermal Operations) as descr bed in Ex. F3-1-1.

2 Excludes amounts captured in the Asset Service Fee (Ex. F3-2-1)

3 Formerly included in Real Estate in EB-2016-0152

Numbers may not add due to rounding.

Table 25

Allocation of Corporate Support & Administrative OM&A Costs - Nuclear ($M)[1]

Line No.	Corporate Group	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Base OM&A											
1	Chief Information Office	120.8	122.7	117.4	123.1	130.1	135.8	137.1	137.3	131.7	121.0	90.9
2	Real Estate[2]	30.9	37.2	39.4	39.6	45.7	52.7	50.2	50.2	49.5	47.5	28.8
3	Supply Chain	45.1	48.3	49.2	45.6	47.7	43.2	42.3	42.0	41.5	33.3	27.5
4	Finance	34.5	36.0	34.5	29.8	26.7	32.3	32.2	32.4	32.5	29.6	26.5
5	Human Resources	23.4	25.0	23.2	23.3	20.4	22.7	22.2	22.0	20.1	19.7	14.7
6	Environment, Health & Safety	13.8	15.2	15.2	14.4	17.9	18.9	16.0	16.1	15.8	15.5	10.1
7	Corporate Centre	41.8	38.8	37.1	39.1	37.9	40.0	33.7	33.0	32.5	30.0	24.7
8	**Total Base OM&A**	**310.4**	**323.1**	**316.0**	**314.9**	**326.6**	**345.6**	**333.7**	**332.9**	**323.6**	**296.7**	**223.1**
9	**Leases & Utilities[3]**	25.9	31.5	30.8	28.3	22.7	26.8	28.3	27.1	26.9	17.5	14.9
10	**Project OM&A**	**24.2**	**22.3**	**21.8**	**18.5**	**20.8**	**23.7**	**26.0**	**20.0**	**24.8**	**20.1**	**14.9**
11	**Total OM&A**	360.5	377.0	368.6	361.7	370.1	396.1	387.9	380.0	375.3	334.3	252.9

Notes:

1 Corporate Support & Administrative costs have been restated from EB-2016-0152 for organizational changes and transfers to/from Nuclear Support and Renewable Generation & Power Marketing (formerly Hydro-Thermal Operations) as descr bed in Ex. F3-1-1.

2 Excludes amounts captured in the Asset Service Fee (Ex. F3-2-1)

3 Formerly included in Real Estate in EB-2016-0152

Numbers may not add due to rounding.

Table 26

Allocation of Corporate Support Staff Summary - Regular and Non-Regular (FTEs) - Nuclear

Line No.	Group	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	NUCLEAR OM&A:											
1	**Regular Staff**	1,088.8	1,063.3	994.1	950.7	890 3	887.0	844.7	830.1	782.6	698.9	603.7
	Non-Regular Staff											
2	Term and Extended Temporary	0.0	5.5	31.2	43 8	57.7	103.5	114.6	115.8	107.7	75.1	0.0
3	Temporary	125.2	152.9	133.5	133.1	148.4	194.7	165.8	129.2	119.7	90.3	41.0
4	EPSCA	29.8	30.6	27.6	33 3	24.6	39.1	37.1	28.1	28.1	25.0	16.5
5	**Total Non-Regular Staff**	155.0	189.0	192.2	210.1	230.7	337.3	317.6	273.1	255.5	190.5	57.5
6	**Subtotal Nuclear OM&A**	1,243.7	1,252.3	1,186.3	1,160 8	1,121 0	1,224.3	1,162.2	1,103.2	1,038.1	889.4	661.2
	NUCLEAR CAPITAL:											
7	**Regular Staff**	12.4	16.1	20.5	20 0	14.4	15.9	15.8	16.0	15.0	14.4	4.4
	Non-Regular Staff											
8	Term and Extended Temporary	0.0	0.1	0.1	1.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0
9	Temporary	0.7	2.9	2.2	2 5	1 0	5.5	1.8	1.8	1.7	0.0	0.0
10	EPSCA	0.0	0.0	1.5	12 3	10.7	0.0	0.0	0.0	0.0	0.0	0.0
11	**Total Non-Regular Staff**	0.7	3.0	3.7	16 0	14 3	5.5	1.8	1.8	1.7	0.0	0.0
12	**Subtotal Nuclear Capital**	13.1	19.1	24.3	35 9	28.7	21.5	17.6	17.8	16.6	14.4	4.4
	DARLINGTON REFURBISHMENT:											
13	**Regular Staff**	46.7	52.9	57.1	47 9	29 2	56.0	55.5	53.2	49.4	40.7	16.4
	Non-Regular Staff											
14	Temporary	2.8	8.1	5.6	8 3	9.4	0.0	0.0	0.0	0.0	0.0	0.3
15	EPSCA	0.0	1.6	2.5	2 9	6.7	6.1	6.1	6.1	6.1	6.0	3.0
16	**Total Non-Regular Staff**	2.8	9.7	8.1	11.1	16 2	6.1	6.1	6.1	6.1	6.0	3.3
17	**Subtotal Darlington Refurbishment**	49.5	62.7	65.2	59.1	45.4	62.1	61.6	59.3	55.5	46.7	19.7
	NUCLEAR PROVISION:											
18	**Regular Staff**	19.9	17.9	17.1	17.6	16.7	25.7	24.5	25.5	34.8	37.8	43.3
	Non-Regular Staff											
19	Term and Extended Temporary	0.0	0.0	0.0	0 0	0 8	0.0	0.0	0.0	0.0	0.0	0.0
20	Temporary	2.1	1.7	2.8	3.7	3 2	0.0	0.0	0.0	0.0	0.0	0.0
21	EPSCA	0.0	0.0	0.0	0 0	0 0	0.0	0.0	0.0	0.0	0.0	0.0
22	**Total Non-Regular Staff**	2.1	1.7	2.8	3.7	4.1	0.0	0.0	0.0	0.0	0.0	0.0
23	**Subtotal Nuclear Provision**	22.1	19.6	19.9	21 3	20 8	25.7	24.5	25.5	34.8	37.8	43.3
24	**Total Nuclear**	1,328.4	1,353.6	1,295.7	1,277.1	1,215 9	1,333.6	1,265.9	1,205.8	1,145.0	988.3	728.4

Numbers may not add due to rounding.

Table 27

Depreciation and Amortization - Nuclear ($M)

Line No.	Cost Item	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	**Darlington NGS**	34.2	37.3	44.6	52.9	74.4	83.9	101.2	122.0	142.5	160.7	173.2
2	**Darlington Refurbishment Project - Excluding D2O[1]**	16.1	27.5	33.9	34.4	123.2	186.1	164.9	164.9	251.3	300.4	336.1
3	**Heavy Water Storage Facility (D2O)**	0.4	4.8	4.8	5.6	14.5	15.0	15.0	15.0	15.0	15.0	15.0
4	**Pickering NGS**	150.4	182.8	119.9	119.3	132.0	143.5	151.7	78.1	76.5	0.4	0.0
5	**Operations and Project Support**	29.7	34.0	37.7	37.2	26.7	34.7	38.1	41.2	42.9	41.7	40.8
6	**Asset Retirement Costs**	50.3	74.1	82.2	82.2	82.2	82.2	82.2	50.5	50.5	3.6	3.6
7	**Other[2]**	0.5	5.5	0.9	1.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0
8	**Total**	281.6	366.1	324.1	333.0	454.1	545.2	553.0	471.5	578.7	521.6	568.6

Notes:

1 As discussed in Ex. D2-2-2 and Ex. B1-1-1, for the purposes of this application, OPG proposes to limit DRP-related net plant in rate base for projects completed prior to 2022 (other than the D2O Storage Project) to the values approved in EB-2016-0152 as of December 31, 2021. Depreciation expense for the IR term has been adjusted accordingly.

2 Includes losses on retirements, gains on disposal and other related charges.

Numbers may not add due to rounding.

Table 28

Taxes - Nuclear ($M)

Line No.	Cost Item	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	**Income Tax[1,2]**	(39.5)	(27.7)	(4.2)	33.1	152.5	(17.6)	(16.5)	(16.3)	(16.4)	(16.1)	(15.9)
	Property Tax:											
2	**Darlington NGS**	9.4	8.5	8.3	8.4	8.0	8.4	8.7	8.9	9.1	9.5	9.8
3	**Pickering NGS**	4.8	4.5	4.4	4.1	4.0	4.2	4.3	4.4	4.5	3.1	0.0
4	**Sub-total**	14.1	13.0	12.7	12.5	12.0	12.6	12.9	13.2	13.6	12.7	9.8
5	**Total**	(25.4)	(14.7)	8.5	45.6	164.5	(5.0)	(3.6)	(3.1)	(2.8)	(3.4)	(6.1)

Notes:

1 The income tax expense is calculated on a combined basis for OPG's prescribed facilities for the years 2016 to 2021. As described in Ex. F4-2-1, the resulting expense is allocated between the regulated hydroelectric and nuclear businesses on the basis of each business's taxable income, and for SR&ED ITCs, on the basis of the underlying expenditures.

2 Amounts for 2022 to 2026 are from Ex. F4-2-1 Table 3a, line 29.

Table 29
Calculation of Regulatory Income Taxes for Prescribed Facilities ($M)
Year Ending December 31, 2020

Line No.	Particulars	Note	2020 Actual
			(a)
	Determination of Regulatory Taxable Income		
1	**Regulatory Earnings Before Tax**	1	1,355.7
	Additions for Regulatory Tax Purposes:		
2	**Depreciation and Amortization**		752.3
3	**Nuclear Waste Management Expenses**		59.4
4	**Receipts from Nuclear Segregated Funds**		64.5
5	**Pension and OPEB Accrual**		269.7
6	**Regulatory Asset Amortization - Bruce Lease Net Revenues Variance Account**		(10.2)
7	**Regulatory Asset Amortization - Pension & OPEB Cash Versus Accrual Differential Deferral Act**		51.1
8	**Regulatory Liability Amortization - Income and Other Taxes Variance Account**		(2.1)
9	**Reversal of Niagara Tunnel Disallowance**		0.0
10	**Adjustment Related to Financing Cost for Nuclear Liabilities**		6.0
11	**Taxable SR&ED Investment Tax Credits**	4	30.4
12	**Other**		106.8
13	**Total Additions**		1,327.9
	Deductions for Regulatory Tax Purposes:		
14	**CCA**	2	895.6
15	**Cash Expenditures for Nuclear Waste Management & Decommissioning**		237.8
16	**Contributions to Nuclear Segregated Funds**		102.5
17	**Pension Plan Contributions**		172.9
18	**OPEB/SPP Payments**		96.8
19	**Reversal of Return on Rate Base Recorded in Deferral and Variance Accounts**		(10.1)
20	**Deductible SR&ED Qualifying Expenditures**		58.8
21	**Other**		26.4
22	**Total Deductions**		1,580.7
23	**Regulatory Taxable Income/(Loss) Before Tax Loss Carry-Over** (line 1 + line 13 - line 22)		1,102.9
24	**Tax Loss Carry-Over**		0.0
25	**Regulatory Taxable Income After Tax Loss Carry-Over** (line 23 + line 24)		1,102.9
26	**Regulatory Income Taxes - Federal** (line 25 x line 30)		165.4
27	**Regulatory Income Taxes - Provincial** (line 25 x line 31)		110.3
28	**Regulatory Income Taxes - SR&ED Investment Tax Credits**	5	(22.5)
29	**Total Regulatory Income Taxes** (line 26 + line 27 + line 28)	3	253.2
	Income Tax Rate:		
30	**Federal Tax**		15.00%
31	**Provincial Tax net of Manufacturing & Processing Profits Deduction**		10.00%
32	**Total Income Tax Rate**		25.00%

1 Regulatory Earnings Before Tax for 2020 can be found in Ex. L-A2-02-Staff-019, Attachment 1.

2 As discussed in Ex. F4-2-1, section 3.2.1, OPG has elected to claim "long-term project" CCA for the Darlington Refurbishment Project expenditures available under the Income Tax Act (Canada).
Resulting total annual CCA for the Darlington Refurbishment Project expenditures for 2020 is $432.2M.

3 To enable reconciliation to historical and bridge year regulatory ROE calculations, adjustments are made to the regulatory income taxes presented at line 29: line is to reflect the inclusion of income tax amounts in certain deferral and variance accounts (i.e., the impact of tax additions and deductions that represent items for which the tax cost or benefit is being passed on to ratepayers through deferral and variance accounts); and line (c) is to exclude the benefit of tax losses forecasted in EB-2016-0152 to be carried forward beyond the 2017-2021 period.

		2020
(a)	Regulatory Income Taxes (line 29)	253.2
(b)	Income Tax Amounts Recorded in Deferral and Variance Account	15.5
(c)	Tax Losses Carried Forward Beyond 2017-2021 (per EB-2016-0152 PAO, App. A, Table 22)+	0.0
(d)	Regulatory Income Taxes for Regulatory ROE Purposes: (line (a) + (b) + (c))	268.7

+ See Ex. F4-2-1 Table 3c, note 6 +

4 For tax return reconciliation purposes, Taxable SR&ED Investment Tax Credits are shown at 100% recognition percentage for the historical and bridge years.

5 As indicated in EB-2016-0152 Reply Argument, p. 173, footnote 94, beginning in 2017, SR&ED ITCs are presented in the year earned at the accounting recognition percentage of 75%.

Numbers may not add due to rounding.

Table 30
Centrally Held Costs ($M)
OPG

Line No.	Corporate Costs	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	**Pension/OPEB Related Accrual Costs**	207.4	94.7	154.2	118.4	12.8	32.1	15.4	(7.6)	(37.9)	(53.6)	(77.4)
2	**OPG-Wide Insurance**	21.7	21.3	20.6	21.6	25.3	31.3	34.4	36.0	36.9	34.6	37.2
3	**Nuclear Insurance**	8.8	14.5	17.1	18.0	19.5	22.4	24.6	27.1	30.0	26.2	14.9
4	**Performance Incentives**	21.7	32.6	28.6	29.6	32.7	32.2	32.5	32.8	32.9	29.9	27.6
5	**IESO Non-Energy Charges**	120.2	137.6	100.1	110.3	133.5	115.3	113.9	104.5	115.7	77.9	32.7
6	**Other**	23.3	2.9	(2.8)	(5.2)	35.1	18.1	15.3	15.3	5.1	17.2	13.7
7	**Total**	403.2	303.5	317.8	292.6	258.9	251.3	236.1	208.0	182.6	132.3	48.7

Numbers may not add due to rounding.

Table 31
Allocation of Centrally Held Costs - Nuclear ($M)

Line No.	Costs	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	**Pension/OPEB Related Accrual Costs**	161.7	76.2	122.9	93.9	10.2	25.2	12.0	(5.9)	(29.2)	(40.4)	(56.2)
2	**OPG-Wide Insurance**	5.8	6.9	6.7	6.9	8.3	10.3	11.3	11.9	12.1	11.3	6.4
3	**Nuclear Insurance**	8.8	14.5	17.1	18.0	19.5	22.4	24.6	27.1	30.0	26.2	14.9
4	**Performance Incentives**	16.6	25.9	22.3	24.1	27.2	26.9	27.3	27.6	27.8	24.6	21.5
5	**IESO Non-Energy Charges**	88.8	109.5	81.2	97.4	113.2	98.8	97.7	89.4	99.9	64.6	19.9
6	**Other**	24.3	10.0	5.9	(1.8)	37.2	13.7	11.6	11.5	3.4	12.5	8.3
7	**Total**	306.0	242.9	256.2	238.6	215.6	197.2	184.5	161.6	143.9	98.9	14.7

Notes:

1 As discussed in Ex. F4-4-1 and Ex. F4-3-2, the test period reflects OPG's proposal to include accrued amounts for pension and OPEB in the nuclear revenue requirement.

Numbers may not add due to rounding.

Table 32

Other Revenues - Nuclear ($M)

Line No.	Revenue Source	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Non-energy Revenue:											
1	**Heavy Water Sales & Processing**	18.9	43.1	31.4	9.7	37.6						
2	**Isotope Sales (Cobalt 60 + Tritium)**	14.0	2.0	16.1	9.4	5.0						
3	**Total Non-energy Revenues** (line 1 + line 2)	32.9	45.1	47.5	19.1	42.6	37.8	26.6	43.9	55.4	21.8	66.8
4	**Non-energy Direct Costs**	6.5	5.5	6.1	6.1	7.1	8.3	7.7	7.8	8.7	5.9	6.2
5	**Non-energy Contribution Margin** (line 3 - line 4)	26.4	39.6	41.4	13.0	35.5	29.5	18.9	36.1	46.7	15.9	60.6
6	**Ancillary Services**	1.2	1.0	1.6	5.8	6.7	4.9	5.3	5.8	5.6	5.9	3.2
7	**Total** (line 5 + line 6)	27.6	40.6	43.0	18.8	42.2	34.4	24.2	41.9	52.3	21.8	63.8

Numbers may not add due to rounding.

Table 33

Bruce Lease Net Revenues ($M)

Line No.	Item	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
	Bruce Lease Net Revenues:											
1	**Bruce Lease Revenues**	198.7	208.3	211.6	207.6	218.2	212.1	185.7	217.6	203.7	218.4	221.0
2	**Bruce Costs**	313.4	225.9	231.2	234.1	230.1	233.2	231.3	256.3	251.9	264.9	259.3
3	**Bruce Lease Net Revenues** (line 1 - line 2)	(114.7)	(17.5)	(19.6)	(26.5)	(11.9)	(21.1)	(45.6)	(38.7)	(48.1)	(46.5)	(38.3)

Numbers may not add due to rounding.

Table 34

Bruce Lease Revenues ($M)

Line No.	Revenue Source	Note	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
			(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	**Site Services (OPG to Bruce Power)**		0.8	0.5	1.1	0.4	0.7	0.5	0.5	0.5	0.5	0.5	0.5
2	**Low & Intermediate Level Waste Services**		9.6	11.0	13.3	18.8	21.2	41.0	18.1	23.2	25.1	20.3	24.3
3	**Cobalt-60**		0.7	0.9	0.6	0.8	0.8	0.6	0.6	0.7	0.7	0.7	0.7
4	**Total Services Revenue**		11.0	12.4	14.9	20.0	22.7	42.1	19.2	24.4	26.3	21.5	25.5
5	**Fixed (Base) Rent**		24.2	24.5	24.8	25.1	25.4	25.8	26.1	26.4	26.8	27.1	27.5
6	**Supplemental Rent**		151.4	159.4	159.8	162.5	170.2	144.2	140.4	166.8	150.7	169.7	168.0
7	**Amortization of Initial Deferred Rent**		12.1	12.1	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	**Total Rent Revenue**		187.7	195.9	196.7	187.6	195.6	170.0	166.5	193.3	177.5	196.9	195.5
9	**Total Revenue** (line 4 + line 8)		198.7	208.3	211.6	207.6	218.2	212.1	185.7	217.6	203.7	218.4	221.0

Numbers may not add due to rounding.

Table 34
Bruce Costs ($M)

Line No.	Cost Item	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Plan	2023 Plan	2024 Plan	2025 Plan	2026 Plan
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	**Depreciation**	101.0	68.5	69.8	69.7	69.6	69.6	69.6	69.6	69.6	69.6	69.5
2	**Property Tax**	12.3	12.2	12.2	12.2	12.3	12.6	12.6	12.6	12.6	12.6	12.6
3	**Accretion**	511.9	459.9	470.6	487.8	504.1	519.8	537.5	556.8	576.7	599.6	623.7
4	**(Earnings) Losses on Segregated Funds**	(374.9)	(393.8)	(406.5)	(423.8)	(439.0)	(445.5)	(452.6)	(462.0)	(475.1)	(491.0)	(510.3)
5	**Used Fuel Storage and Disposal**	66.9	57.3	63.6	64.7	60.1	59.0	57.9	69.5	63.3	72.0	59.7
6	**Waste Management Variable Expenses and Facilities Removal Costs**	4.7	2.5	2.5	2.6	4.0	7.2	3.2	4.2	4.5	3.8	4.7
7	**Interest**	34.5	29.9	30.3	29.7	23.1	17.5	18.3	18.6	16.3	13.8	12.2
8	**Total Costs Before Income Tax**	356.3	236.5	242.4	242.9	234.1	240.2	246.5	269.3	267.9	280.3	272.1
9	**Income Tax - Current**	34.6	63.4	69.9	38.3	33.1	46.4	75.9	48.9	49.8	31.3	28.8
10	**Income Tax - Deferred**	(77.6)	(74.0)	(81.2)	(47.1)	(37.0)	(53.4)	(91.1)	(61.8)	(65.9)	(46.8)	(41.6)
11	**Total Income Tax**	(43.0)	(10.6)	(11.3)	(8.8)	(4.0)	(7.0)	(15.2)	(12.9)	(16.0)	(15.5)	(12.8)
16	**Total Costs** (line 12 + line 15)	313.4	225.9	231.2	234.1	230.1	233.2	231.3	256.3	251.9	264.9	259.3

Numbers may not add due to rounding.

Table 36
Calculation of Bruce Income Taxes ($M)
Year Ending December 31 2020

Line No.	Particulars	Note	2020 Actual
			(a)
	Determination of Taxable Income		
1	**Earnings (Loss) Before Tax**	1	(15.9)
	Additions for Tax Purposes - Temporary Differences		
2	**Base Rent Accrual**		(9.1)
3	**Depreciation**		69.6
4	**Accretion**		504.1
5	**Used Fuel and Waste Management Expenses and Facilities Removal Costs**		64.0
6	**Receipts from Nuclear Segregated Funds**		72.7
7	**Other**		(29.4)
8	**Total Additions - Temporary Differences**		671.9
	Deductions for Tax Purposes - Permanent Differences		
9	**Deferred Rent Revenue**		0.0
	Deductions for Tax Purposes - Temporary Differences		
10	**CCA**		12.9
11	**Cash Expenditures for Used Fuel, Waste Management & Decommissioning and Facilities Removal**		174.4
12	**Contributions to Nuclear Segregated Funds**		(102.5)
13	**Earnings (Losses) on Nuclear Segregated Funds**		439.0
14	**Total Deductions - Temporary Differences**		523.8
15	**Taxable Income/(Loss) Before Loss Carry-Over**		132.2
16	**Tax Loss Carry-Over to Future Years / (from Prior Years)**		0.0
17	**Taxable Income After Loss Carry-Over**		132.2
	Determination of Total Current Income Taxes		
18	**Taxable Income After Loss Carry-Over** (line 19)		132.2
19	**Income Tax Rate - Current**		25.00%
20	**Income Taxes - Current**		33.1
	Determination of Total Deferred Income Taxes		
21	**Total Net Temporary Differences (line 9 - line 16)**		148.1
22	**Income Tax Rate - Deferred**		25 00%
23	**Deferred Income Taxes**		(37.0)
24	**Tax Loss / Tax Loss Carry-Over** (line 17 or line 18)		0.0
25	**Income Tax Rate**		25 00%
26	**Deferred Income Taxes - Tax Loss / Tax Loss Carry-Over**		0.0
27	**Deferred Income Taxes - Total** (line 25 + line 28)		(37.0)
	Income Tax Rate - Current		
28	**Federal Tax**		15 00%
29	**Provincial Tax net of Manufacturing & Processing Profits Deduction**		10 00%
30	**Total Income Tax Rate - Current**		25.00%
	Income Tax Rate - Deferred		
31	**Federal Tax**		15 00%
32	**Provincial Tax net of Manufacturing & Processing Profits Deduction**		10 00%
33	**Total Income Tax Rate - Deferred**		25 00%

Notes:

1 Earnings (Loss) Before Tax is derived as the difference between Total Revenues in Ex. L-A1-2-Staff-002, Attachment 1, Table 34, Line 9 and Total Costs Before Income Tax in Ex. L-A1-2-Staff-002, Attachment 1, Table 35, Line 8 for 2020.