DEPRECIATION AND AMORTIZATION

This schedule provides information about Toronto Hydro's depreciation and amortization rates and expenses.

1. BACKGROUND

Toronto Hydro converted to International Financial Reporting Standards ("IFRS") effective January 1, 2015. This application represents Toronto Hydro's second rebasing application under Modified IFRS ("MIFRS").

2. FILING REQUIREMENTS

In accordance with s. 2.4.4 of the OEB's Filing Requirements for Electricity Distribution Rate Applications (July 12, 2018), this schedule provides the following information:

- Details regarding depreciation, amortization and depletion by asset group for the 2015 to 2017 historical years, 2018 to 2019 bridge years and 2020 forecast year;
- A description of Toronto Hydro's depreciation and amortization practices and a summary of the changes implemented since the utility's last rebasing application;
- An explanation of Toronto Hydro's variance from the "half-year rule" regarding the calculation of depreciation expense; and
- Information about the utility's decommissioning provision and any associated depreciation or accretion expenses in relation to the decommissioning provision.

2.1 Depreciation Expense Details

Appendix A to this schedule provides the depreciation expense by Uniform System of Accounts for the historical (2015 to 2017), bridge (2018 to 2019) and forecast (2020) years. These amounts are based on MIFRS and include derecognition as described in Exhibit 4B, Tab 1, Schedule 2.

3. DEPRECIATION AND AMORTIZATION

In accordance with the OEB's Accounting Procedures Handbook for Electricity Distributors (the "APH"), Toronto Hydro depreciates and amortizes its assets on a straight-line basis over the estimated useful lives of the assets. Tables 1 and 2 below provide Toronto Hydro's annual depreciation and amortization rates by asset category for 2015 to 2017 (actual), 2018 and 2019 (bridge) and 2020 (forecast). Toronto Hydro does not expect any changes to the annual depreciation rates for 2021 to 2024.

In accordance with the OEB's filing requirements, Toronto Hydro is not required to file Appendix 2-BB as the utility has not made any changes to its depreciation and amortization practices or to estimated asset useful lives since its last rebasing application (EB-2014-0116). Regardless, a completed Appendix 2-BB is enclosed as Appendix C to this schedule.

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As part of its normal course of business, Toronto Hydro has added new asset classes and made minor presentation changes to the grouping of asset categories related to depreciation. These presentation changes are discussed below.

Table 1: Property, Plant, and Equipment Depreciation Rates (%)

Asset Category	2015 Actual	2016 Actual	2017 Actual	2018 Bridge	2019 Bridge	2020 Forecast
Distribution Lines	1.7 - 5.0	1.7 - 5.0	1.7 - 5.0	1.7 - 5.0	1.7 - 5.0	1.7 - 5.0
Transformers	3.3 - 5.0	3.3 - 5.0	3.3 - 5.0	3.3 - 5.0	3.3 - 5.0	3.3 - 5.0
Meters	2.5 - 6.7	2.5 - 6.7	2.5 - 6.7	2.5 - 6.7	2.5 - 6.7	2.5 - 6.7
Stations	2.5 - 10.0	2.5 - 10.0	2.0 - 10.0	2.0 - 10.0	2.0 - 10.0	2.0 - 10.0
Buildings	1.3 - 5.0	1.3 - 5.0	1.3 - 5.0	1.3 - 5.0	1.3 - 5.0	1.3 - 5.0
Other Capital Assets	4.0 - 25.0	4.0 - 25.0	4.0 - 25.0	4.0 - 25.0	4.0 - 25.0	4.0 - 25.0
Assets Under Capital Lease	1.0 - 14.3	1.0 - 14.3	1.0 - 14.3	1.0 - 14.3	1.0 - 14.3	1.0 - 14.3

Table 2: Intangible Assets Amortization Rates (%)

Asset Category	2015 Actual	2016 Actual	2017 Actual	2018 Bridge	2019 Bridge	2020 Forecast
Computer Software	10.0 - 25.0	10.0 - 25.0	10.0 - 25.0	10.0 - 25.0	10.0 - 25.0	10.0 - 25.0
Contributions	4.0	4.0	4.0	4.0	4.0	4.0

3.1 Asset Categorization

Toronto Hydro did not make any changes to its depreciation and amortization practices since the last rebasing application, outside of the presentation of categories. The rolling stock, equipment and tools, computer hardware and communications depreciation categories which were discussed in the last rebasing application have been rolled into the other capital asset category, with no change to the depreciation rate applied.

3.2 Variance from Half-Year Rule

Toronto Hydro calculates depreciation based on the month that an asset comes into service, rather than on the basis of the half-year rule, which assumes that all asset additions are put into service in the middle of the fiscal year. Similarly, Toronto Hydro

calculates depreciation associated with assets that are retired, transferred or become fully depreciated within a given year based on the month of transaction.

Depreciation reflects the pattern in which the utility expects to receive the asset's future economic benefits over the useful life of the asset. IFRS (IAS 16.55) provides that "depreciation of an asset begins when it is available for use, i.e. when it is in the location and condition necessary for it to be capable of operating in the manner intended by management".

In accordance with these accounting principles, Toronto Hydro adopted a monthly depreciation methodology for the historical and forecasted years for reasons including that it:

1) Provides a more accurate reflection of the asset's future economic benefits over its useful life; and
2) Aligns the calculation of depreciation expense for rate making purposes with Toronto Hydro's external financial reporting policies and historical practices.

4. DECOMMISSIONING PROVISION

Toronto Hydro recognizes liabilities for the future removal and handling costs for contamination in distribution equipment and for the future environmental remediation of certain properties (collectively known as "decommissioning provisions") in accordance with Article 410 of the APH. A decommissioning provision is recognized at the time that the obligation arises. Initially, Toronto Hydro measures the liability at present value and the amount of the liability is added to the carrying amount of the related asset. In subsequent periods, the utility depreciates the capitalized amount over the useful life of the related asset and the liability is adjusted quarterly for the discount

applied upon initial recognition of the liability ("accretion expense") and for changes in the underlying assumptions.

Table 3 below sets out Toronto Hydro's historical and forecasted decommissioning costs and the related depreciation expense for 2015-2020. Table 4 below shows the corresponding decommissioning liability and related accretion expense.

Table 3: Historical and Forecasted Decommissioning Costs and Related Depreciation Expense ($ Millions)

	2015 Actual	2016 Actual	2017 Actual	2018 Bridge	2019 Bridge	2020 Forecast
Decommissioning Costs	1.0	0.8	0.8	0.7	0.7	0.6
Related Depreciation Expense	0.1	0.1	0.1	0.1	0.1	0.1

Table 4: Historical and Forecasted Decommissioning Liability and Related Accretion Expense ($ Millions)

	2015 Actual	2016 Actual	2017 Actual	2018 Bridge	2019 Bridge	2020 Forecast
Decommissioning Liability	1.9	1.5	1.5	1.3	1.3	1.2
Related Accretion Expense	-	-	-	-	-	-

5. DEPRECIATION AND AMORTIZATION EXPENSE

Table 5: Depreciation and Amortization Expense[1] 2015 to 2019 ($ Millions)

	2015 Actual	2016 Actual	2017 Actual	2018 Bridge	2019 Bridge	2020 Forecast
Depreciation and Amortization Expense[2]	166.0	179.1	192.5	210.7	228.2	242.9

The year-over-year increases in depreciation and amortization expense are primarily due to Toronto Hydro's in-service asset additions. Depreciation and amortization expense reflected in revenue requirement (Exhibit 6, Tab 1, Schedule 1, Table 1) and Schedule 2-BA result from detailed calculations by asset class as determined through the utility's enterprise financial system for historical amounts, and financial models for forecast. This method incorporates the depreciation and amortization rates presented in Tables 1 and 2 and considers the actual timing of asset additions and removals from service.

As required, Toronto Hydro provides the OEB's Appendix 2-C in Appendix B to this exhibit but notes that the depreciation and amortization values in Appendix 2-C are based on broad assumptions. As a result, differences in depreciation and amortization values calculated by the financial system and using the formulas in Appendix 2-C are expected. For example, Appendix 2-C assumes depreciation in the first year, for all assets placed into service, begins at mid-year while Toronto Hydro depreciates assets from the month they are capitalized. In addition, applying broad depreciation assumptions to assets with shorter service lives (e.g. IT assets) and significant balances amplifies the magnitude of the differences in depreciation and amortization.

[1] Includes depreciation of the decommissioning costs and excludes derecognition. See Exhibit 4B, Tab 1, Schedule 2 for information about asset derecognition.
[2] See Exhibit 4B, Tab 1, Schedule 1, Appendix A for additional information.

Appendix A: Summary of Depreciation Expense

		2015 MIFRS			2016 MIFRS			2017 MIFRS			2018 MIFRS			2019 MIFRS			2020 MIFRS		
OEB	Description	Depreciation Expense	Derecognition	Total Depreciation Expense	Depreciation Expense	Derecognition	Total Depreciation Expense	Depreciation Expense	Derecognition	Total Depreciation Expense	Depreciation Expense	Derecognition	Total Depreciation Expense	Depreciation Expense	Derecognition	Total Depreciation Expense	Depreciation Expense	Derecognition	Total Depreciation Expense
1611	Computer Software (Formally known as Account 1925)	$ 19,290,957	$ -	$ 19,290,957	$ 19,291,705	$ -	$ 19,291,705	$ 19,982,844	$ -	$ 19,982,844	$ 20,892,805	$ 1,385,063	$ 22,277,868	$ 31,832,793	$ -	$ 31,832,793	$ 36,099,942	$ -	$ 36,099,942
1612	Land Rights	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1805	Land	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1808	Buildings	$ 2,636,758	$ -	$ 2,636,758	$ 2,404,722	$ 8,590	$ 2,413,312	$ 2,796,835	$ -	$ 2,796,835	$ 3,308,486	$ 9,993	$ 3,318,479	$ 3,671,135	$ -	$ 3,671,135	$ 3,720,102	$ -	$ 3,720,102
1815	Transformer Station Equipment >50 kV	$ 404,102	$ -	$ 404,102	$ 404,897	$ -	$ 404,897	$ 651,800	$ 11,479	$ 663,278	$ 1,298,265	$ -	$ 1,298,265	$ 1,321,906	$ -	$ 1,321,906	$ 1,325,172	$ -	$ 1,325,172
1820	Distribution Station Equipment <50 kV	$ 7,285,185	$ 21,905	$ 7,307,090	$ 7,479,328	$ 374,856	$ 7,854,185	$ 7,811,055	$ 717,437	$ 8,528,492	$ 8,622,713	$ 751,097	$ 9,373,810	$ 10,158,330	$ 187,293	$ 10,345,623	$ 11,273,000	$ 230,873	$ 11,503,874
1830	Poles, Towers & Fixtures	$ 9,290,599	$ 6,288,437	$ 15,579,036	$ 10,031,935	$ 5,542,995	$ 15,574,929	$ 10,443,048	$ 2,735,544	$ 13,178,593	$ 10,921,669	$ 2,529,950	$ 13,451,618	$ 11,274,091	$ 4,507,458	$ 15,781,548	$ 11,739,346	$ 5,970,306	$ 17,709,652
1835	Overhead Conductors & Devices	$ 7,893,309	$ 2,637,264	$ 10,530,573	$ 9,360,888	$ 1,974,920	$ 11,335,808	$ 10,246,549	$ 2,290,636	$ 12,537,185	$ 10,827,432	$ 2,919,194	$ 13,746,626	$ 11,559,544	$ 1,766,477	$ 13,326,022	$ 12,364,683	$ 2,345,789	$ 14,710,472
1840	Underground Conduit	$ 37,556,567	$ 437,626	$ 37,994,193	$ 40,921,100	$ 595,780	$ 41,516,880	$ 42,854,989	$ 404,729	$ 43,259,718	$ 44,888,220	$ 426,821	$ 45,315,041	$ 47,539,941	$ 448,686	$ 47,988,627	$ 50,257,599	$ 570,460	$ 50,828,059
1845	Underground Conductors & Devices	$ 18,848,584	$ 4,327,216	$ 23,175,800	$ 21,057,038	$ 5,147,566	$ 26,204,603	$ 23,402,291	$ 5,946,699	$ 29,348,991	$ 25,369,256	$ 6,216,247	$ 31,585,502	$ 26,397,900	$ 3,917,577	$ 30,315,478	$ 29,225,810	$ 5,343,042	$ 34,568,852
1850	Line Transformers	$ 19,940,274	$ 8,109,405	$ 28,049,679	$ 21,221,738	$ 8,549,023	$ 29,770,760	$ 22,739,608	$ 8,366,045	$ 31,105,653	$ 23,997,546	$ 7,327,460	$ 31,325,006	$ 25,933,134	$ 7,491,686	$ 33,424,820	$ 28,236,015	$ 9,503,228	$ 37,739,243
1855	Services (Overhead & Underground)	$ 2,012,677	$ 292,242	$ 2,304,920	$ 2,418,759	$ 516,109	$ 2,934,869	$ 2,723,949	$ 1,113,020	$ 3,836,969	$ 2,947,558	$ 480,467	$ 3,428,026	$ 3,429,537	$ 268,161	$ 3,697,698	$ 3,818,256	$ 375,123	$ 4,193,379
1860	Meters	$ 13,384,647	$ 1,458,318	$ 14,842,965	$ 14,216,811	$ 4,332,646	$ 18,549,457	$ 14,956,008	$ 3,581,022	$ 18,537,030	$ 16,018,913	$ 2,559,854	$ 18,578,767	$ 17,185,912	$ 1,526,243	$ 18,712,155	$ 18,611,346	$ 1,431,703	$ 20,043,049
1905	Land	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1908	Buildings & Fixtures	$ 6,451,486	$ 230,096	$ 6,681,582	$ 7,898,271	$ 7,299	$ 7,905,570	$ 10,714,877	$ 23,837	$ 10,738,714	$ 11,319,161	$ 113,573	$ 11,432,734	$ 11,349,805	$ -	$ 11,349,805	$ 11,382,932	$ -	$ 11,382,932
1910	Leasehold Improvements	$ 234,715	$ -	$ 234,715	$ 184,054	$ -	$ 184,054	$ 30,736	$ -	$ 30,736	$ 10,481	$ -	$ 10,481	$ 8,734	$ -	$ 8,734	$ -	$ -	$ -
1915	Office Furniture & Equipment	$ 1,762,299	$ -	$ 1,762,299	$ 1,688,533	$ 1,606	$ 1,690,139	$ 1,898,974	$ 66,913	$ 1,965,887	$ 2,051,264	$ 3,544	$ 2,054,807	$ 2,097,661	$ -	$ 2,097,661	$ 1,905,523	$ -	$ 1,905,523
1920	Computer Equipment - Hardware	$ 5,612,079	$ -	$ 5,612,079	$ 8,721,873	$ -	$ 8,721,873	$ 9,195,801	$ -	$ 9,195,801	$ 10,714,855	$ -	$ 10,714,855	$ 11,744,632	$ -	$ 11,744,632	$ 11,692,222	$ -	$ 11,692,222
1930	Transportation Equipment	$ 5,852,780	$ -	$ 5,852,780	$ 5,294,930	$ -	$ 5,294,930	$ 4,455,106	$ -	$ 4,455,106	$ 3,636,383	$ -	$ 3,636,383	$ 3,254,411	$ -	$ 3,254,411	$ 3,045,967	$ -	$ 3,045,967
1935	Stores Equipment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1940	Tools, Shop & Garage Equipment	$ 2,401,040	$ -	$ 2,401,040	$ 2,248,169	$ -	$ 2,248,169	$ 2,100,269	$ -	$ 2,100,269	$ 2,257,857	$ -	$ 2,257,857	$ 2,480,670	$ -	$ 2,480,670	$ 3,095,774	$ -	$ 3,095,774
1945	Measurement & Testing Equipment	$ 67,711	$ -	$ 67,711	$ 67,711	$ -	$ 67,711	$ 67,053	$ -	$ 67,053	$ 59,822	$ -	$ 59,822	$ 59,861	$ -	$ 59,861	$ 44,522	$ -	$ 44,522
1950	Power Operated Equipment	$ 122,523	$ -	$ 122,523	$ 102,041	$ -	$ 102,041	$ 95,035	$ -	$ 95,035	$ 158,280	$ -	$ 158,280	$ 95,793	$ -	$ 95,793	$ 84,739	$ -	$ 84,739
1955	Communications Equipment	$ 2,202,404	$ -	$ 2,202,404	$ 2,100,612	$ -	$ 2,100,612	$ 4,010,158	$ -	$ 4,010,158	$ 4,690,337	$ -	$ 4,690,337	$ 4,122,018	$ -	$ 4,122,018	$ 3,827,071	$ -	$ 3,827,071
1960	Miscellaneous Equipment	$ 36,919	$ -	$ 36,919	$ 37,245	$ -	$ 37,245	$ 37,310	$ -	$ 37,310	$ 37,310	$ -	$ 37,310	$ 37,712	$ -	$ 37,712	$ 34,673	$ -	$ 34,673
1970	Load Management Controls Customer Premises	$ 1,067,310	$ -	$ 1,067,310	$ 836,068	$ -	$ 836,068	$ 37,379	$ -	$ 37,379	($ 62,634)	$ -	($ 62,634)	$ -	$ -	$ -	$ -	$ -	$ -
1975	Load Management Controls Utility Premises	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
1980	System Supervisor Equipment	$ 2,253,207	$ 711,842	$ 2,965,049	$ 2,273,836	$ 441,014	$ 2,714,850	$ 2,364,096	$ 393,416	$ 2,757,512	$ 2,668,961	$ 308,612	$ 2,977,573	$ 3,581,825	$ 409,567	$ 3,991,391	$ 4,128,590	$ 560,039	$ 4,688,628
2440	Contributions & Grants	($ 2,210,580)	($ 375,192)	($ 2,585,773)	($ 3,765,318)	($ 501,631)	($ 4,266,949)	($ 4,710,955)	($ 1,113,168)	($ 5,824,124)	$ -	$ -	$ -	($ 6,334,692)	($ 400,524)	($ 6,735,216)	($ 8,995,336)	($ 537,050)	($ 9,532,386)
1609	Capital Contributions Paid	$ 1,127,378	$ -	$ 1,127,378	$ 2,056,028	$ -	$ 2,056,028	$ 3,140,006	$ -	$ 3,140,006	$ 3,538,390	$ -	$ 3,538,390	$ 7,676,972	$ -	$ 7,676,972	$ 8,780,891	$ -	$ 8,780,891
2005	Property Under Capital Leases	$ 2,254,564	$ -	$ 2,254,564	$ 2,254,564	$ -	$ 2,254,564	$ 2,064,349	$ -	$ 2,064,349	$ 1,320,504	$ -	$ 1,320,504	$ 89,423	$ -	$ 89,423	$ 89,423	$ -	$ 89,423
	Sub-Total	$ 167,779,494	$ 24,139,160	$ 191,918,654	$ 180,807,538	$ 26,990,771	$ 207,798,309	$ 194,109,167	$ 24,537,611	$ 218,646,778	$ 211,493,835	$ 25,031,872	$ 236,525,708	$ 230,569,049	$ 20,122,625	$ 250,691,674	$ 245,788,261	$ 25,793,513	$ 271,581,774
	Less Socialized Renewable Energy Generation Investments (input as negative)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	($ 113,812)	$ -	($ 113,812)	($ 570,353)	$ -	($ 570,353)
	Less Other Non Rate-Regulated Utility Assets (input as negative)	$ -	$ -	$ -	$ -	$ -	$ -	($ 33,367)	$ -	($ 33,367)	$ 133,468	$ -	$ 133,468	($ 453,429)	$ -	($ 453,429)	($ 587,711)	$ -	($ 587,711)
	Total	$ 167,779,494	$ 24,139,160	$ 191,918,654	$ 180,807,538	$ 26,990,771	$ 207,798,309	$ 194,075,800	$ 24,537,611	$ 218,613,411	$ 211,627,304	$ 25,031,872	$ 236,659,176	$ 230,001,808	$ 20,122,625	$ 250,124,434	$ 244,630,196	$ 25,793,513	$ 270,423,709
	Less: *Fully Allocated Depreciation*																		
	Transportation	($ 1,799,817)		($ 1,799,817)	($ 1,721,911)		($ 1,721,911)	($ 1,622,598)		($ 1,622,598)	($ 961,328)		($ 961,328)	($ 1,759,521)		($ 1,759,521)	($ 1,759,521)		($ 1,759,521)
	Net Depreciation	**$ 165,979,678**	**$ 24,139,160**	**$ 190,118,837**	**$ 179,085,627**	**$ 26,990,771**	**$ 206,076,398**	**$ 192,453,202**	**$ 24,537,611**	**$ 216,990,813**	**$ 210,665,976**	**$ 25,031,872**	**$ 235,697,848**	**$ 228,242,288**	**$ 20,122,625**	**$ 248,364,913**	**$ 242,870,675**	**$ 25,793,513**	**$ 268,664,188**

Appendix 2-C
Depreciation and Amortization Expense

This appendix is to be completed in conjunction with the accounting instructions in Appendix 2-B

Scenario that applies	Applicable Years and Accounting Standard	Year Reflected in Schedule Below	Accounting Standard Reflected in Schedule Below
Rebasing for the first time with depreciation policy changes made in 2012. ☐	This appendix must be duplicated and completed for the years 2012 to 2018. The appendix for 2012 is to be completed under CGAAP (prior to changes in depreciation policies). The appendix for 2012 to 2014 must be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).		
Rebasing for the first time with depreciation policy changes made in 2013. ☐	This appendix must be duplicated and completed for the years 2013 to 2018. The appendix for 2013 is to be completed under CGAAP (prior to changes in depreciation policies). The appendix for 2013 to 2014 must be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).		
Already rebased with depreciation policy changes in a prior rate application ☑	This appendix must be completed for 2014 to 2018. The appendix for 2014 is to be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).	2015	MIFRS

		Book Values							Service Lives				Depreciation Expense					
Account	Description	Opening Net Book Value of Existing Assets as at Date of Policy Change (Jan. 1) [1]	Less Fully Depreciated [7]	Net Amount of Existing Assets Before Policy Change to be Depreciated	Opening Gross Book Value of Assets Acquired After Policy Change [2]	Less Fully Depreciated [8]	Net Amount of Assets Acquired After Policy Change to be Depreciated	Current Year Additions	Average Remaining Life of Assets Existing Before Policy Change [3]	Depreciation Rate Assets Acquired After Policy Change	Life of Assets Acquired After Policy Change [4]	Depreciation Rate on New Additions	Depreciation Expense on Assets Existing Before Policy Change	Depreciation Expense on Assets Acquired After Policy Change	Depreciation Expense on Current Year Additions [5]	Total Current Year Depreciation Expense	Depreciation Expense per Appendix 2-BA Fixed Assets, Column J	Variance [6]
		a	b	c = a-b	d	e	f = d- e	g	h	i = 1/h	j	k = 1/j	l = c/h	m = f/j	n = g*0.5/j	o = l+m+n	p	q = p-o
1611	Computer Software (Formally known as Account 1925)	$ 69,572,669	$ 6,806,320	$ 62,766,349	$ 17,158,081		$ 17,158,081	$ 14,918,812	4.91	20.36%	4.76	21.02%	**$ 12,776,458**	**$ 3,606,252**	**$ 1,567,803**	**$ 17,950,512**	$ 19,290,957	**$ 1,340,445**
1612	Land Rights	$ -	$ -	$ -	$ -		$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1805	Land	$ 7,588,531	$ -	$ 7,588,531	-$ 8,030		-$ 8,030	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1808	Buildings	$ 29,677,626	$ 2,912,639	$ 26,764,988	-$ 402,428		-$ 402,428	$ 22,289,048	18.08	5.53%	62.45	1.60%	**$ 1,480,511**	**-$ 6,444**	**$ 178,456**	**$ 1,652,523**	$ 2,636,758	**$ 984,235**
1815	Transformer Station Equipment >50 kV	$ 5,839,955	$ -	$ 5,839,955	$ 24		$ 24	$ -	14.45	6.92%	-	0.00%	**$ 404,100**	**$ -**	**$ -**	**$ 404,100**	$ 404,102	**$ 2**
1820	Distribution Station Equipment <50 kV	$ 112,667,455	$ 174,306	$ 112,493,149	$ 30,399,194		$ 30,399,194	$ 6,822,070	19.20	5.21%	28.31	3.53%	**$ 5,858,973**	**$ 1,073,873**	**$ 120,497**	**$ 7,053,342**	$ 7,285,185	**$ 231,843**
1830	Poles, Towers & Fixtures	$ 208,620,348	$ 135,709	$ 208,484,640	$ 70,674,946		$ 70,674,946	$ 38,385,574	31.60	3.16%	37.87	2.64%	**$ 6,596,772**	**$ 1,866,230**	**$ 506,801**	**$ 8,969,803**	$ 9,290,599	**$ 320,796**
1835	Overhead Conductors & Devices	$ 197,786,423	$ 242,709	$ 197,543,713	$ 55,811,276		$ 55,811,276	$ 48,487,450	34.02	2.94%	44.63	2.24%	**$ 5,806,909**	**$ 1,250,531**	**$ 543,215**	**$ 7,600,656**	$ 7,893,309	**$ 292,653**
1840	Underground Conduit	$ 639,376,710	$ 854,436	$ 638,522,274	$ 216,195,167		$ 216,195,167	$ 96,834,638	22.27	4.49%	33.26	3.01%	**$ 28,676,375**	**$ 6,500,135**	**$ 1,455,718**	**$ 36,632,227**	$ 37,556,567	**$ 924,340**
1845	Underground Conductors & Devices	$ 397,494,067	$ 1,719,873	$ 395,774,194	$ 131,334,521		$ 131,334,521	$ 85,845,120	31.09	3.22%	36.82	2.72%	**$ 12,729,848**	**$ 3,566,515**	**$ 1,165,603**	**$ 17,461,967**	$ 18,848,584	**$ 1,386,618**
1850	Line Transformers	$ 305,215,157	$ 6,989,425	$ 298,225,732	$ 63,607,838		$ 63,607,838	$ 52,697,845	18.14	5.51%	27.59	3.62%	**$ 16,439,232**	**$ 2,305,741**	**$ 955,131**	**$ 19,700,104**	$ 19,940,274	**$ 240,169**
1855	Services (Overhead & Underground)	$ 61,419,385	$ 14,306	$ 61,405,079	$ 13,832,001		$ 13,832,001	$ 18,367,060	40.50	2.47%	44.35	2.25%	**$ 1,516,306**	**$ 311,883**	**$ 207,069**	**$ 2,035,258**	$ 2,012,677	**-$ 22,581**
1860	Meters	$ 44,538,583	$ 4,686	$ 44,533,896	$ 6,513,784		$ 6,513,784	$ 10,745,470	19.72	5.07%	19.07	5.24%	**$ 2,258,856**	**$ 341,630**	**$ 281,785**	**$ 2,882,272**	$ 3,131,803	**$ 249,531**
1860	Meters (Smart Meters)	$ 94,589,513	$ 6,353	$ 94,583,160	$ 7,273,587		$ 7,273,587	$ 6,712,905	9.75	10.25%	15.00	6.67%	**$ 9,696,869**	**$ 484,906**	**$ 223,764**	**$ 10,405,538**	$ 10,252,844	**-$ 152,694**
1905	Land	$ 9,150,994	$ -	$ 9,150,994	$ 9,250,031		$ 9,250,031	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1908	Buildings & Fixtures	$ 65,356,634	$ 3,796,564	$ 61,560,071	$ 16,995,733		$ 16,995,733	$ 45,213,438	12.89	7.76%	26.13	3.83%	**$ 4,774,727**	**$ 650,316**	**$ 865,012**	**$ 6,290,055**	$ 6,451,486	**$ 161,431**
1910	Leasehold Improvements	$ 701,434	$ 132,441	$ 568,992	$ 52,406		$ 52,406	-$ 0	3.03	32.97%	5.00	20.00%	**$ 187,583**	**$ 10,481**	**-$ 0**	**$ 198,064**	$ 234,715	**$ 36,651**
1915	Office Furniture & Equipment	$ 9,802,431	$ 656,684	$ 9,145,747	$ 33,319		$ 33,319	$ 921,298	5.87	17.02%	10.00	10.00%	**$ 1,556,948**	**$ 3,332**	**$ 46,065**	**$ 1,606,345**	$ 1,762,299	**$ 155,954**
1920	Computer Equipment - Hardware	$ 11,192,631	$ 2,265,073	$ 8,927,558	$ 8,779,388		$ 8,779,388	$ 7,346,747	3.34	29.93%	4.53	22.05%	**$ 2,672,050**	**$ 1,936,107**	**$ 810,084**	**$ 5,418,241**	$ 5,612,079	**$ 193,839**
1930	Transportation Equipment	$ 21,967,081	$ 1,594,665	$ 20,372,416	$ 2,131,310		$ 2,131,310	$ 2,522,325	4.03	24.80%	7.73	12.94%	**$ 5,052,584**	**$ 275,794**	**$ 163,196**	**$ 5,491,573**	$ 5,852,780	**$ 361,206**
1935	Stores Equipment	$ 7,066	$ 7,066	$ -	$ -		$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1940	Tools, Shop & Garage Equipment	$ 11,036,987	$ 580,501	$ 10,456,486	$ 1,825,237		$ 1,825,237	$ 1,879,478	5.61	17.81%	10.00	10.00%	**$ 1,862,802**	**$ 182,524**	**$ 93,974**	**$ 2,139,299**	$ 2,401,040	**$ 261,741**
1945	Measurement & Testing Equipment	$ 9,367,510	$ 4,392	$ 9,363,118	-$ 8,887,507		-$ 8,887,507	$ 239	4.39	22.77%	4.39	22.77%	**$ 2,131,812**	**-$ 2,023,524**	**$ 27**	**$ 108,315**	$ 67,711	**-$ 40,605**
1950	Service Equipment	$ 615,688	$ 64,211	$ 551,476	$ 20,747		$ 20,747	$ -	5.09	19.66%	8.00	12.50%	**$ 108,436**	**-$ 2,593**	**$ -**	**$ 111,029**	$ 122,523	**$ 11,494**
1955	Communications Equipment	$ 4,593,288	$ 911,619	$ 3,681,669	$ 2,920,677		$ 2,920,677	$ 511,863	2.94	34.04%	5.52	18.10%	**$ 1,253,215**	**$ 528,700**	**$ 46,329**	**$ 1,828,244**	$ 2,202,404	**$ 374,161**
1960	Miscellaneous Equipment	$ 267,071	$ -	$ 267,071	$ -		$ -	$ -	7.23	13.82%	-	0.00%	**$ 36,919**	**$ -**	**$ -**	**$ 36,919**	$ 36,919	**-$ 0**
1970	Load Management Controls Customer Premises	$ 3,022,834	$ 87,491	$ 2,935,342	$ -		$ -	$ -	2.85	35.12%	-	0.00%	**$ 1,030,948**	**$ -**	**$ -**	**$ 1,030,948**	$ 1,067,310	**$ 36,362**
1975	Load Management Controls Utility Premises	$ -	$ -	$ -	$ -		$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1980	System Supervisor Equipment	$ 19,174,795	$ 409,094	$ 18,765,702	$ 3,888,039		$ 3,888,039	$ 3,137,694	11.09	9.02%	14.86	6.73%	**$ 1,692,192**	**$ 261,713**	**$ 105,603**	**$ 2,059,509**	$ 2,253,207	**$ 193,699**
1985	Miscellaneous Fixed Assets	$ -	$ -	$ -	$ -		$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
2440	Contributions & Grants (Formally known as Account 1995)	$ -	$ -	$ -	-$ 28,510,489		-$ 28,510,489	-$ 30,083,801	-	0.00%	35.93	2.78%	**$ -**	**-$ 793,517**	**-$ 418,653**	**-$ 1,212,170**	-$ 2,210,580	**-$ 998,410**
1609	Capital Contributions Paid	$ 19,104,312	$ -	$ 19,104,312	$ 862,476		$ 862,476	$ 1,763,500	21.68	4.61%	23.07	4.33%	**$ 881,195**	**$ 37,387**	**$ 38,222**	**$ 956,804**	$ 1,127,378	**$ 170,575**
2005	Property Under Capital Leases	$ 7,191,090	$ -	$ 7,191,090	$ 10,979,744	$ 1,648,742	$ 9,331,002	$ -	80.42	1.24%	4.31	23.20%	**$ 89,423**	**$ 2,165,141**	**$ -**	**$ 2,254,564**	$ 2,254,564	**-$ 0**
	Sub-Total	**$ 2,366,938,267**	**$ 30,370,566**	**$ 2,336,567,702**	**$ 632,731,071**	**$ 1,648,742**	**$ 631,082,329**	**$ 435,318,773**					**$ 127,572,042**	**$ 24,538,298**	**$ 8,955,701**	**$ 161,066,041**	**$ 167,779,494**	**$ 6,713,453**
	Less Socialized Renewable Energy Generation Investments ***(input as negative)***			$ -			$ -	$ -		0.00%		0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
	Less Other Non Rate-Regulated Utility Assets ***(input as negative)***			$ -			$ -	$ -		0.00%		0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
	Total	**$ 2,366,938,267**	**$ 30,370,566**	**$ 2,336,567,702**	**$ 632,731,071**	**$ 1,648,742**	**$ 631,082,329**	**$ 435,318,773**					**$ 127,572,042**	**$ 24,538,298**	**$ 8,955,701**	**$ 161,066,041**	**$ 167,779,494**	**$ 6,713,453**

General: Applicants are to complete this appendix to show the reasonability of the depreciation expense that is included in rate base via. Accumulated depreciation and the revenue requirement.
Applicants must provide a breakdown of depreciation and amortization expense in the above format for all relevant accounts. Balances presented in the table should exclude asset retirement obligations (AROs) and the related depreciation and accretion expense. These should be disclosed separately consistent with the Notes of historical Audited Financial Statements.

Notes:

1 This is the net book value of assets that existed as at the date of the utility's change in depreciation policies (i.e. as at Jan. 1, 2012 or Jan. 1, 2013). These assets are to be depreciated at the average remaining service life. This amount will not change in years subsequent to the date of the utility's change in depreciation policies. This column is expected to be used until the assets that existed as at the date of the utility's change in depreciation policies are fully depreciated.

2 This is the opening gross book value of assets that have been acquired after the date of the utilities change in depreciation policies (i.e. additions starting in 2012/2013 for those who changed policies Jan. 1, 2012/2013). These assets are to be depreciated at the revised service life. The amount is expected to be equal to the gross book value of the prior year plus the prior year's additions.
A recalculation should be performed to determine the average remaining life of opening balance of assets (i.e. excluding current year's additions) under the change in policies under CGAAP. For example, Asset A had a useful life of 20 years under CGAAP without the change in policies. On January 1 of the year of policy changes, Asset A was 3 years depreciated. As a result, Asset A would have a remaining service life of 17 years (20 years less 3 years) as at January 1 of the year of policy changes. Due to making the change in policies under CGAAP, management re-assessed the asset useful lives and concluded that the revised useful life of Asset A is now 30 years. Therefore, the average remaining useful life of the opening balance of Asset A is determined to be 27 years (30 years less 3 years) under the revised CGAAP as at January 1 of the year of policy changes.

3

4 The useful life used should be consistent with the OEB's regulatory accounting policies as set out in the Accounting Procedures Handbook for Electricity Distributors, effective Jan. 1, 2012 and also with the Report of the Board, Transition to International Financial Reporting Standards, EB-2008-0408, and the Kinectrics Report.

5 Board policy of the "half-year" rule - the applicant must ensure that additions in the year attract a half-year depreciation expense in the first year. Deviations from this standard practice must be supported in the application.

6 The applicant must provide an explanation of material variances in evidence.

7 This should include assets in column a (excel column C) that become fully depreciated since the date of the policy change. The amount input in b (excel column D) should equal the net book value of the asset as at the date of depreciation policy change

8 This should include assets in column d (excel column f) that have become fully depreciated. The amount input in e (excel column G) should equal the gross book value of the asset

Appendix 2-C
Depreciation and Amortization Expense

This appendix is to be completed in conjunction with the accounting instructions in Appendix 2-B

Scenario that applies	Applicable Years and Accounting Standard	Year Reflected in Schedule Below	Accounting Standard Reflected in Schedule
Rebasing for the first time with depreciation policy changes made in 2012. ☐	This appendix must be duplicated and completed for the years 2012 to 2018. The appendix for 2012 is to be completed under CGAAP (prior to changes in depreciation policies). The appendix for 2012 to 2014 must be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).		
Rebasing for the first time with depreciation policy changes made in 2013. ☐	This appendix must be duplicated and completed for the years 2013 to 2018. The appendix for 2013 is to be completed under CGAAP (prior to changes in depreciation policies). The appendix for 2013 to 2014 must be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).		
Already rebased with depreciation policy changes in a prior rate application ☑	This appendix must be completed for 2014 to 2018. The appendix for 2014 is to be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).	2016	MIFRS

		Book Values							Service Lives				Depreciation Expense						
Account	Description	Opening Net Book Value of Existing Assets as at Date of Policy Change (Jan. 1)[1]	Less Fully Depreciated [7]	Net Amount of Existing Assets Before Policy Change to be Depreciated	Opening Gross Book Value of Assets Acquired After Policy Change [2]	Less Fully Depreciated [8]	Net Amount of Assets Acquired After Policy Change to be Depreciated	Current Year Additions	Average Remaining Life of Assets Existing Before Policy Change [3]	Depreciation Rate Assets Acquired After Policy Change	Life of Assets Acquired After Policy Change [4]	Depreciation Rate on New Additions	Depreciation Expense on Assets Existing Before Policy Change	Depreciation Expense on Assets Acquired After Policy Change	Depreciation Expense on Current Year Additions [5]	Total Current Year Depreciation Expense	Depreciation Expense per Appendix 2-BA Fixed Assets, Column J	Variance [6]
		a	b	c = a-b	d	e	f = d- e	g	h	i = 1/h	j	k = 1/j	l = c/h	m = f/j	n = g*0.5/j	o = l+m+n	p	q = p-o
1611	Computer Software (Formally known as Account 1925)	$ 69,572,669	$ 12,999,956	$ 56,572,713	$ 32,076,893	$ -	$ 32,076,893	$ 11,914,202	4.91	20.36%	4.82	20.74%	$ 11,515,707	$ 6,652,949	$ 1,235,540	$ 19,404,195	$ 19,291,705	-$ 112,490
1612	Land Rights	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	$ -	$ -	$ -	$ -	$ -	$ -
1805	Land	$ 7,588,531	$ -	$ 7,588,531	-$ 8,030	$ -	-$ 8,030	$ -	-	0.00%	-	0.00%	$ -	$ -	$ -	$ -	$ -	$ -
1808	Buildings	$ 29,677,626	$ 4,319,418	$ 25,358,208	$ 21,886,621	$ 5,350	$ 21,881,271	$ 53,726,576	18.08	5.53%	68.65	1.46%	$ 1,402,694	$ 318,756	$ 391,332	$ 2,112,782	$ 2,404,722	$ 291,940
1815	Transformer Station Equipment >50 kV	$ 5,839,955	$ -	$ 5,839,955	$ 24	$ -	$ 24	$ 152,667	14.45	6.92%	32.00	3.13%	$ 404,100	$ 1	$ 2,385	$ 406,486	$ 404,897	-$ 1,589
1820	Distribution Station Equipment <50 kV	$ 112,667,455	$ 593,507	$ 112,073,949	$ 37,221,263	$ -	$ 37,221,263	$ 7,439,750	19.20	5.21%	28.68	3.49%	$ 5,837,139	$ 1,297,664	$ 129,688	$ 7,264,491	$ 7,479,328	$ 214,838
1830	Poles, Towers & Fixtures	$ 208,620,348	$ 523,138	$ 208,097,210	$ 109,060,521	$ 274,745	$ 108,785,776	$ 34,585,346	31.60	3.16%	37.46	2.67%	$ 6,584,513	$ 2,904,401	$ 461,686	$ 9,950,599	$ 10,031,935	$ 81,335
1835	Overhead Conductors & Devices	$ 197,786,423	$ 556,091	$ 197,230,332	$ 104,298,726	$ 67,113	$ 104,231,613	$ 52,320,421	34.02	2.94%	44.24	2.26%	$ 5,797,697	$ 2,356,062	$ 591,328	$ 8,745,087	$ 9,360,888	$ 615,801
1840	Underground Conduit	$ 639,376,710	$ 1,807,136	$ 637,569,573	$ 313,029,805	$ 72,195	$ 312,957,610	$ 99,687,834	22.27	4.49%	33.34	3.00%	$ 28,633,588	$ 9,387,375	$ 1,495,102	$ 39,516,065	$ 40,921,100	$ 1,405,035
1845	Underground Conductors & Devices	$ 397,494,067	$ 3,692,376	$ 393,801,691	$ 217,179,641	$ 1,064,923	$ 216,114,718	$ 86,622,401	31.09	3.22%	36.93	2.71%	$ 12,666,403	$ 5,851,601	$ 1,172,710	$ 19,690,714	$ 21,057,038	$ 1,366,323
1850	Line Transformers	$ 305,215,157	$ 4,278,969	$ 300,936,188	$ 116,305,683	$ 42,532	$ 116,263,151	$ 63,107,081	18.14	5.51%	27.52	3.63%	$ 16,588,642	$ 4,225,270	$ 1,146,728	$ 21,960,640	$ 21,221,738	-$ 738,902
1855	Services (Overhead & Underground)	$ 61,419,385	$ 204,199	$ 61,215,186	$ 32,199,061	$ 3,158	$ 32,195,903	$ 16,333,002	40.50	2.47%	44.37	2.25%	$ 1,511,617	$ 725,659	$ 184,064	$ 2,421,340	$ 2,418,759	-$ 2,581
1860	Meters	$ 44,538,583	$ 676,092	$ 43,862,491	$ 17,259,253	$ 20,696	$ 17,238,557	$ 13,064,420	19.72	5.07%	20.45	4.89%	$ 2,224,801	$ 843,045	$ 319,455	$ 3,387,301	$ 3,742,156	$ 354,855
1860	Meters (Smart Meters)	$ 94,589,513	$ 1,273,230	$ 93,316,284	$ 13,986,492	$ -	$ 13,986,492	$ 4,596,069	9.75	10.25%	15.00	6.67%	$ 9,566,986	$ 932,433	$ 153,202	$ 10,652,621	$ 10,474,655	-$ 177,966
1905	Land	$ 9,150,994	$ -	$ 9,150,994	$ 9,250,031	$ -	$ 9,250,031	$ 301	-	0.00%	-	0.00%	$ -	$ -	$ -	$ -	$ -	$ -
1908	Buildings & Fixtures	$ 65,356,634	$ 7,174,806	$ 58,181,828	$ 62,209,171	$ 281,185	$ 61,927,986	$ 57,613,894	12.89	7.76%	32.10	3.12%	$ 4,512,703	$ 1,929,248	$ 897,425	$ 7,339,376	$ 7,898,271	$ 558,895
1910	Leasehold Improvements	$ 701,434	$ 570,148	$ 131,286	$ 52,406	$ -	$ 52,406	$ -	3.03	32.97%	5.00	20.00%	$ 43,282	$ 10,481	$ -	$ 53,763	$ 184,054	$ 130,291
1915	Office Furniture & Equipment	$ 9,802,431	$ 1,653,568	$ 8,148,863	$ 954,617	$ -	$ 954,617	$ 4,541,011	5.87	17.02%	10.00	10.00%	$ 1,387,241	$ 95,462	$ 227,051	$ 1,709,753	$ 1,688,533	-$ 21,221
1920	Computer Equipment - Hardware	$ 11,192,631	$ 4,793,678	$ 6,398,953	$ 16,126,136	$ 389,901	$ 15,736,235	$ 19,919,107	3.34	29.93%	5.00	20.00%	$ 1,915,230	$ 3,147,789	$ 1,992,254	$ 7,055,272	$ 8,721,873	$ 1,666,601
1930	Transportation Equipment	$ 21,967,081	$ 5,461,297	$ 16,505,784	$ 4,653,635	$ -	$ 4,653,635	$ 3,390,059	4.03	24.80%	7.37	13.58%	$ 4,093,617	$ 631,823	$ 230,134	$ 4,955,573	$ 5,294,930	$ 339,357
1935	Stores Equipment	$ 7,066	$ 7,066	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	$ -	$ -	$ -	$ -	$ -	$ -
1940	Tools, Shop & Garage Equipment	$ 11,036,987	$ 2,153,197	$ 8,883,790	$ 3,704,715	$ -	$ 3,704,715	$ 3,129,240	5.61	17.81%	9.91	10.09%	$ 1,582,629	$ 373,966	$ 157,938	$ 2,114,533	$ 2,248,169	$ 133,636
1945	Measurement & Testing Equipment	$ 9,367,510	$ 4,392	$ 9,363,118	-$ 8,887,268	$ -	-$ 8,887,268	$ -	4.39	22.77%	4.39	22.77%	$ 2,131,812	-$ 2,023,470	$ -	$ 108,343	$ 67,711	-$ 40,632
1950	Service Equipment	$ 615,688	$ 115,477	$ 500,210	$ 20,747	$ -	$ 20,747	$ 22,000	5.09	19.66%	8.00	12.50%	$ 98,356	$ 2,593	$ 1,375	$ 102,324	$ 102,041	-$ 283
1955	Communications Equipment	$ 4,593,288	$ 3,183,808	$ 1,409,480	$ 3,432,541	$ -	$ 3,432,541	$ 27,860,758	2.94	34.04%	11.38	8.79%	$ 479,777	$ 301,587	$ 1,223,940	$ 2,005,305	$ 2,100,612	$ 95,307
1960	Miscellaneous Equipment	$ 267,071	$ -	$ 267,071	$ -	$ -	$ -	$ 3,907	7.23	13.82%	10.00	10.00%	$ 36,919	$ -	$ 195	$ 37,114	$ 37,245	$ 130
1970	Load Management Controls Customer Premises	$ 3,022,834	$ 2,013,119	$ 1,009,715	$ -	$ -	$ -	$ -	2.85	35.12%	-	0.00%	$ 354,631	$ -	$ -	$ 354,631	$ 836,068	$ 481,437
1975	Load Management Controls Utility Premises	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	$ -	$ -	$ -	$ -	$ -	$ -
1980	System Supervisor Equipment	$ 19,174,795	$ 1,353,959	$ 17,820,837	$ 7,025,733	$ -	$ 7,025,733	$ 3,264,626	11.09	9.02%	14.90	6.71%	$ 1,606,989	$ 471,457	$ 109,535	$ 2,187,982	$ 2,273,836	$ 85,854
1985	Miscellaneous Fixed Assets	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	$ -	$ -	$ -	$ -	$ -	$ -
2440	Contributions & Grants (Formally known as Account 1995)	$ -	$ -	$ -	-$ 58,594,290	-$ 829,259	-$ 57,765,032	-$ 32,842,749	-	0.00%	35.42	2.82%	$ -	-$ 1,630,963	-$ 463,648	-$ 2,094,612	-$ 3,765,318	-$ 1,670,707
1609	Capital Contributions Paid	$ 19,104,312	$ -	$ 19,104,312	$ 2,625,976	$ -	$ 2,625,976	$ 53,844,210	21.68	4.61%	24.92	4.01%	$ 881,195	$ 105,389	$ 1,080,474	$ 2,067,058	$ 2,056,028	-$ 11,030
2005	Property Under Capital Leases	$ 7,191,090	$ -	$ 7,191,090	$ 10,979,744	$ 1,648,742	$ 9,331,002	$ -	80.42	1.24%	4.31	23.20%	$ 89,423	$ 2,165,141	$ -	$ 2,254,564	$ 2,254,564	-$ 0
	Sub-Total	**$ 2,366,938,267**	**$ 59,408,628**	**$ 2,307,529,639**	**$ 1,068,049,844**	**$ 3,041,282**	**$ 1,065,008,562**	**$ 584,296,135**					**$ 121,947,693**	**$ 41,075,717**	**$ 12,739,892**	**$ 175,763,302**	**$ 180,807,538**	**$ 5,044,236**
	Less Socialized Renewable Energy Generation Investments ***(input as negative)***	$ -		$ -	$ -		$ -	$ -		0.00%		0.00%	$ -	$ -	$ -	$ -	$ -	$ -
	Less Other Non Rate-Regulated Utility Assets ***(input as negative)***	$ -		$ -	$ -		$ -	$ -		0.00%		0.00%	$ -	$ -	$ -	$ -	$ -	$ -
	Total	**$ 2,366,938,267**	**$ 59,408,628**	**$ 2,307,529,639**	**$ 1,068,049,844**	**$ 3,041,282**	**$ 1,065,008,562**	**$ 584,296,135**					**$ 121,947,693**	**$ 41,075,717**	**$ 12,739,892**	**$ 175,763,302**	**$ 180,807,538**	**$ 5,044,236**

General: Applicants are to complete this appendix to show the reasonability of the depreciation expense that is included in rate base via. Accumulated depreciation and the revenue requirement.
Applicants must provide a breakdown of depreciation and amortization expense in the above format for all relevant accounts. Balances presented in the table should exclude asset retirement obligations (AROs) and the related depreciation and accretion expense. These should be disclosed separately consistent with the Notes of historical Audited Financial Statements.

Notes:

1 This is the net book value of assets that existed as at the date of the utility's change in depreciation policies (i.e. as at Jan. 1, 2012 or Jan. 1, 2013). These assets are to be depreciated at the average remaining service life. This amount will not change in years subsequent to the date of the utility's change in depreciation policies. This column is expected to be used until the assets that existed as at the date of the utility's change in depreciation policies are fully depreciated.

2 This is the opening gross book value of assets that have been acquired after the date of the utilities change in depreciation policies (i.e. additions starting in 2012/2013 for those who changed policies Jan. 1, 2012/2013). These assets are to be depreciated at the revised service life. The amount is expected to be equal to the gross book value of the prior year plus the prior year's additions.
A recalculation should be performed to determine the average remaining life of opening balance of assets (i.e. excluding current year's additions) under the change in policies under CGAAP. For example, Asset A had a useful life of 20 years under CGAAP without the change in policies. On January 1 of the year of policy changes, Asset A was 3 years depreciated. As a result, Asset A would have a remaining service life of 17 years (20 years less 3 years) as at January 1 of the year of policy changes. Due to making the change in policies under CGAAP, management re-assessed the asset useful lives and concluded that the revised useful life of Asset A is now 30 years. Therefore, the average remaining useful life of the opening balance of Asset A is determined to be 27 years (30 years less 3 years) under the revised CGAAP as at January 1 of the year of policy changes.

3

4 The useful life used should be consistent with the OEB's regulatory accounting policies as set out in the Accounting Procedures Handbook for Electricity Distributors, effective Jan. 1, 2012 and also with the Report of the Board, Transition to International Financial Reporting Standards, EB-2008-0408, and the Kinectrics Report.

5 Board policy of the "half-year" rule - the applicant must ensure that additions in the year attract a half-year depreciation expense in the first year. Deviations from this standard practice must be supported in the application.

6 The applicant must provide an explanation of material variances in evidence.

7 This should include assets in column a (excel column C) that become fully depreciated since the date of the policy change. The amount input in b (excel column D) should equal the net book value of the asset as at the date of depreciation policy change

8 This should include assets in column d (excel column f) that have become fully depreciated. The amount input in e (excel column G) should equal the gross book value of the asset

Appendix 2-C
Depreciation and Amortization Expense

This appendix is to be completed in conjunction with the accounting instructions in Appendix 2-B

Scenario that applies	Applicable Years and Accounting Standard	Year Reflected in Schedule Below	Accounting Standard Reflected in Schedule Below
Rebasing for the first time with depreciation policy changes made in 2012. ☐	This appendix must be duplicated and completed for the years 2012 to 2018. The appendix for 2012 is to be completed under CGAAP (prior to changes in depreciation policies). The appendix for 2012 to 2014 must be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).		
Rebasing for the first time with depreciation policy changes made in 2013. ☐	This appendix must be duplicated and completed for the years 2013 to 2018. The appendix for 2013 is to be completed under CGAAP (prior to changes in depreciation policies). The appendix for 2013 to 2014 must be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).		
Already rebased with depreciation policy changes in a prior rate application ☑	This appendix must be completed for 2014 to 2018. The appendix for 2014 is to be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).	2017	MIFRS

		Book Values							Service Lives				Depreciation Expense						
Account	Description	Opening Net Book Value of Existing Assets as at Date of Policy Change (Jan. 1)[1]	Less Fully Depreciated[7]	Net Amount of Existing Assets Before Policy Change to be Depreciated	Opening Gross Book Value of Assets Acquired After Policy Change[2]	Less Fully Depreciated[8]	Net Amount of Assets Acquired After Policy Change to be Depreciated	Current Year Additions	Average Remaining Life of Assets Existing Before Policy Change[3]	Depreciation Rate Assets Acquired After Policy Change	Life of Assets Acquired After Policy Change[4]	Depreciation Rate on New Additions	Depreciation Expense on Assets Existing Before Policy Change	Depreciation Expense on Assets Acquired After Policy Change	Depreciation Expense on Current Year Additions[5]	Total Current Year Depreciation Expense	Depreciation Expense per Appendix 2-BA Fixed Assets, Column J	Variance[6]
		a	b	c = a-b	d	e	f = d- e	g	h	i = 1/h	j	k = 1/j	l = c/h	m = f/j	n = g*0.5/j	o = l+m+n	p	q = p-o
1611	Computer Software (Formally known as Account 1925)	$ 69,572,669	$ 28,723,849	$ 40,848,820	$ 43,991,094	$ -	$ 43,991,094	$ 23,396,902	4.91	20.36%	4.88	20.48%	**$ 8,315,016**	**$ 9,009,298**	**$ 2,395,822**	**$ 19,720,137**	$ 19,982,844	**$ 262,707**
1612	Land Rights	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1805	Land	$ 7,588,531	$ -	$ 7,588,531	-$ 8,030	$ -	-$ 8,030	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1808	Buildings	$ 29,677,626	$ 3,130,730	$ 26,546,897	$ 75,613,197	$ 5,350	$ 75,607,847	$ 11,714,238	18.08	5.53%	66.17	1.51%	**$ 1,468,447**	**$ 1,142,686**	**$ 88,521**	**$ 2,699,654**	$ 2,796,835	**$ 97,181**
1815	Transformer Station Equipment >50 kV	$ 5,839,955	$ 13,224	$ 5,826,730	$ 152,691	$ -	$ 152,691	$ 30,938,545	14.45	6.92%	37.08	2.70%	**$ 403,185**	**$ 4,118**	**$ 417,174**	**$ 824,477**	$ 651,800	**-$ 172,677**
1820	Distribution Station Equipment <50 kV	$ 112,667,455	$ 1,224,334	$ 111,443,121	$ 44,661,013	$ -	$ 44,661,013	$ 28,828,722	19.20	5.21%	31.08	3.22%	**$ 5,804,284**	**$ 1,437,016**	**$ 463,798**	**$ 7,705,098**	$ 7,811,055	**$ 105,957**
1830	Poles, Towers & Fixtures	$ 208,620,348	$ 714,621	$ 207,905,727	$ 143,645,867	$ 936,696	$ 142,709,171	$ 26,137,523	31.60	3.16%	37.82	2.64%	**$ 6,578,454**	**$ 3,772,898**	**$ 345,508**	**$ 10,696,859**	$ 10,443,048	**-$ 253,811**
1835	Overhead Conductors & Devices	$ 197,786,423	$ 665,967	$ 197,120,456	$ 156,619,147	$ 852,220	$ 155,766,927	$ 43,677,626	34.02	2.94%	44.48	2.25%	**$ 5,794,467**	**$ 3,502,044**	**$ 490,993**	**$ 9,787,505**	$ 10,246,549	**$ 459,044**
1840	Underground Conduit	$ 639,376,710	$ 3,010,042	$ 636,366,667	$ 412,717,640	$ 81,779	$ 412,635,860	$ 77,448,153	22.27	4.49%	33.11	3.02%	**$ 28,579,565**	**$ 12,460,854**	**$ 1,169,397**	**$ 42,209,816**	$ 42,854,989	**$ 645,173**
1845	Underground Conductors & Devices	$ 397,494,067	$ 5,796,942	$ 391,697,125	$ 303,802,042	$ 2,977,281	$ 300,824,761	$ 98,821,342	31.09	3.22%	37.13	2.69%	**$ 12,598,711**	**$ 8,102,996**	**$ 1,330,923**	**$ 22,032,630**	$ 23,402,291	**$ 1,369,661**
1850	Line Transformers	$ 305,215,157	$ 6,197,455	$ 299,017,702	$ 179,412,764	$ 1,297,338	$ 178,115,426	$ 66,492,438	18.14	5.51%	27.53	3.63%	**$ 16,482,889**	**$ 6,470,359**	**$ 1,207,728**	**$ 24,160,975**	$ 22,739,608	**-$ 1,421,367**
1855	Services (Overhead & Underground)	$ 61,419,385	$ 719,489	$ 60,699,896	$ 48,532,063	$ 52,517	$ 48,479,546	$ 14,283,272	40.50	2.47%	43.99	2.27%	**$ 1,498,893**	**$ 1,102,156**	**$ 162,361**	**$ 2,763,410**	$ 2,723,949	**-$ 39,461**
1860	Meters	$ 44,538,583	$ 1,198,476	$ 43,340,106	$ 30,323,673	$ 125,058	$ 30,198,616	$ 8,019,209	19.72	5.07%	20.83	4.80%	**$ 2,198,305**	**$ 1,449,684**	**$ 192,481**	**$ 3,840,470**	$ 4,133,564	**$ 293,094**
1860	Meters (Smart Meters)	$ 94,589,513	$ 2,176,233	$ 92,413,280	$ 18,582,561	$ 106,085	$ 18,476,475	$ 15,926,835	9.75	10.25%	15.00	6.67%	**$ 9,474,408**	**$ 1,231,765**	**$ 530,894**	**$ 11,237,067**	$ 10,822,444	**-$ 414,623**
1905	Land	$ 9,150,994	$ -	$ 9,150,994	$ 9,250,332	$ -	$ 9,250,332	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1908	Buildings & Fixtures	$ 65,356,634	$ 4,656,826	$ 60,699,808	$ 119,823,065	$ 2,372,563	$ 117,450,501	$ 65,192,176	12.89	7.76%	31.10	3.22%	**$ 4,708,003**	**$ 3,776,548**	**$ 1,048,107**	**$ 9,532,657**	$ 10,714,877	**$ 1,182,219**
1910	Leasehold Improvements	$ 701,434	$ 701,434	$ -	$ 52,406	$ -	$ 52,406	$ -	3.03	32.97%	5.00	20.00%	**$ -**	**$ 10,481**	**$ -**	**$ 10,481**	$ 30,736	**$ 20,254**
1915	Office Furniture & Equipment	$ 9,802,431	$ 2,135,113	$ 7,667,318	$ 5,495,628	$ -	$ 5,495,628	$ 3,731,695	5.87	17.02%	10.00	10.00%	**$ 1,305,264**	**$ 549,563**	**$ 186,585**	**$ 2,041,412**	$ 1,898,974	**-$ 142,438**
1920	Computer Equipment - Hardware	$ 11,192,631	$ 9,482,098	$ 1,710,533	$ 36,045,243	$ 389,901	$ 35,655,342	$ 11,445,468	3.34	29.93%	4.92	20.31%	**$ 511,969**	**$ 7,241,084**	**$ 1,162,204**	**$ 8,915,257**	$ 9,195,801	**$ 280,544**
1930	Transportation Equipment	$ 21,967,081	$ 10,076,979	$ 11,890,102	$ 8,043,694	$ -	$ 8,043,694	$ 4,044,806	4.03	24.80%	7.44	13.44%	**$ 2,948,877**	**$ 1,080,696**	**$ 271,716**	**$ 4,301,288**	$ 4,455,106	**$ 153,818**
1935	Stores Equipment	$ 7,066	$ 7,066	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1940	Tools, Shop & Garage Equipment	$ 11,036,987	$ 2,633,504	$ 8,403,483	$ 6,833,955	$ -	$ 6,833,955	$ 3,325,955	5.61	17.81%	9.94	10.06%	**$ 1,497,064**	**$ 687,653**	**$ 167,334**	**$ 2,352,050**	$ 2,100,269	**-$ 251,781**
1945	Measurement & Testing Equipment	$ 9,367,510	$ 35,289	$ 9,332,221	-$ 8,887,268	$ -	-$ 8,887,268	$ -	4.39	22.77%	4.39	22.77%	**$ 2,124,778**	**-$ 2,023,470**	**$ -**	**$ 101,308**	$ 67,053	**-$ 34,254**
1950	Service Equipment	$ 615,688	$ 115,477	$ 500,210	$ 42,747	$ -	$ 42,747	$ 187,338	5.09	19.66%	8.00	12.50%	**$ 98,356**	**$ 5,343**	**$ 11,709**	**$ 115,408**	$ 95,035	**-$ 20,373**
1955	Communications Equipment	$ 4,593,288	$ 3,682,500	$ 910,787	$ 31,293,298	$ -	$ 31,293,298	$ 9,471,460	2.94	34.04%	13.43	7.45%	**$ 310,026**	**$ 2,330,528**	**$ 352,687**	**$ 2,993,241**	$ 4,010,158	**$ 1,016,917**
1960	Miscellaneous Equipment	$ 267,071	$ -	$ 267,071	$ 3,907	$ -	$ 3,907	$ -	7.23	13.82%	10.00	10.00%	**$ 36,919**	**$ 391**	**$ -**	**$ 37,310**	$ 37,310	**-$ 0**
1970	Load Management Controls Customer Premises	$ 3,022,834	$ 3,022,834	$ -	$ -	$ -	$ -	$ -	2.85	35.12%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ 37,379	**$ 37,379**
1975	Load Management Controls Utility Premises	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1980	System Supervisor Equipment	$ 19,174,795	$ 1,357,609	$ 17,817,186	$ 10,290,359	$ 70,327	$ 10,220,032	$ 7,882,436	11.09	9.02%	14.95	6.69%	**$ 1,606,660**	**$ 683,773**	**$ 263,688**	**$ 2,554,121**	$ 2,364,096	**-$ 190,026**
1985	Miscellaneous Fixed Assets	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
2440	Contributions & Grants (Formally known as Account 1995)	$ -	$ -	$ -	-$ 91,437,039	-$ 4,021,007	-$ 87,416,032	-$ 28,704,350	-	0.00%	35.12	2.85%	**$ -**	**-$ 2,489,313**	**-$ 408,701**	**-$ 2,898,015**	-$ 4,710,955	**-$ 1,812,941**
1609	Capital Contributions Paid	$ 19,104,312	$ -	$ 19,104,312	$ 56,470,186	$ -	$ 56,470,186	$ -	21.68	4.61%	24.92	4.01%	**$ 881,195**	**$ 2,266,337**	**$ -**	**$ 3,147,532**	$ 3,140,006	**-$ 7,526**
2005	Property Under Capital Leases	$ 7,191,090	$ -	$ 7,191,090	$ 10,979,744	$ 2,092,578	$ 8,887,166	$ -	80.42	1.24%	4.31	23.20%	**$ 89,423**	**$ 2,062,155**	**$ -**	**$ 2,151,577**	$ 2,064,349	**-$ 87,229**
	Sub-Total	**$ 2,366,938,267**	**$ 91,478,094**	**$ 2,275,460,173**	**$ 1,652,345,978**	**$ 7,338,686**	**$ 1,645,007,292**	**$ 522,261,787**					**$ 115,315,156**	**$ 65,867,642**	**$ 11,850,927**	**$ 193,033,726**	**$ 194,109,167**	**$ 1,075,441**
	Less Socialized Renewable Energy Generation Investments ***(input as negative)***	$ -		$ -	$ -		$ -	$ -		0.00%		0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
	Less Other Non Rate-Regulated Utility Assets ***(input as negative)***	$ -		$ -	$ -		$ -	-$ 2,002,023		0.00%	15.00	6.67%	**$ -**	**$ -**	**-$ 66,734**	**-$ 66,734**	-$ 33,367	**$ 33,367**
	Total	**$ 2,366,938,267**	**$ 91,478,094**	**$ 2,275,460,173**	**$ 1,652,345,978**	**$ 7,338,686**	**$ 1,645,007,292**	**$ 520,259,765**					**$ 115,315,156**	**$ 65,867,642**	**$ 11,784,193**	**$ 192,966,992**	**$ 194,075,800**	**$ 1,108,808**

General: Applicants are to complete this appendix to show the reasonability of the depreciation expense that is included in rate base via. Accumulated depreciation and the revenue requirement.
Applicants must provide a breakdown of depreciation and amortization expense in the above format for all relevant accounts. Balances presented in the table should exclude asset retirement obligations (AROs) and the related depreciation and accretion expense. These should be disclosed separately consistent with the Notes of historical Audited Financial Statements.

Notes:

1 This is the net book value of assets that existed as at the date of the utility's change in depreciation policies (i.e. as at Jan. 1, 2012 or Jan. 1, 2013). These assets are to be depreciated at the average remaining service life. This amount will not change in years subsequent to the date of the utility's change in depreciation policies. This column is expected to be used until the assets that existed as at the date of the utility's change in depreciation policies are fully depreciated.

2 This is the opening gross book value of assets that have been acquired after the date of the utilities change in depreciation policies (i.e. additions starting in 2012/2013 for those who changed policies Jan. 1, 2012/2013). These assets are to be depreciated at the revised service life. The amount is expected to be equal to the gross book value of the prior year plus the prior year's additions.

3 A recalculation should be performed to determine the average remaining life of opening balance of assets (i.e. excluding current year's additions) under the change in policies under CGAAP. For example, Asset A had a useful life of 20 years under CGAAP without the change in policies. On January 1 of the year of policy changes, Asset A was 3 years depreciated. As a result, Asset A would have a remaining service life of 17 years (20 years less 3 years) as at January 1 of the year of policy changes. Due to making the change in policies under CGAAP, management re-assessed the asset useful lives and concluded that the revised useful life of Asset A is now 30 years. Therefore, the average remaining useful life of the opening balance of Asset A is determined to be 27 years (30 years less 3 years) under the revised CGAAP as at January 1 of the year of policy changes.

4 The useful life used should be consistent with the OEB's regulatory accounting policies as set out in the Accounting Procedures Handbook for Electricity Distributors, effective Jan. 1, 2012 and also with the Report of the Board, Transition to International Financial Reporting Standards, EB-2008-0408, and the Kinectrics Report.

5 Board policy of the "half-year" rule - the applicant must ensure that additions in the year attract a half-year depreciation expense in the first year. Deviations from this standard practice must be supported in the application.

6 The applicant must provide an explanation of material variances in evidence.

7 This should include assets in column a (excel column C) that become fully depreciated since the date of the policy change. The amount input in b (excel column D) should equal the net book value of the asset as at the date of depreciation policy change

8 This should include assets in column d (excel column f) that have become fully depreciated. The amount input in e (excel column G) should equal the gross book value of the asset

Appendix 2-C
Depreciation and Amortization Expense

This appendix is to be completed in conjunction with the accounting instructions in Appendix 2-B

Scenario that applies	Applicable Years and Accounting Standard	Year Reflected in Schedule Below	Accounting Standard Reflected in Schedule Below
Rebasing for the first time with depreciation policy changes made in 2012. ☐	This appendix must be duplicated and completed for the years 2012 to 2018. The appendix for 2012 is to be completed under CGAAP (prior to changes in depreciation policies). The appendix for 2012 to 2014 must be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).		
Rebasing for the first time with depreciation policy changes made in 2013. ☐	This appendix must be duplicated and completed for the years 2013 to 2018. The appendix for 2013 is to be completed under CGAAP (prior to changes in depreciation policies). The appendix for 2013 to 2014 must be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).		
Already rebased with depreciation policy changes in a prior rate application ☑	This appendix must be completed for 2014 to 2018. The appendix for 2014 is to be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).	2018	MIFRS

		Book Values							Service Lives				Depreciation Expense						
Account	Description	Opening Net Book Value of Existing Assets as at Date of Policy Change (Jan. 1)[1]	Less Fully Depreciated [7]	Net Amount of Existing Assets Before Policy Change to be Depreciated	Opening Gross Book Value of Assets Acquired After Policy Change [2]	Less Fully Depreciated [8]	Net Amount of Assets Acquired After Policy Change to be Depreciated	Current Year Additions	Average Remaining Life of Assets Existing Before Policy Change [3]	Depreciation Rate Assets Acquired After Policy Change	Life of Assets Acquired After Policy Change [4]	Depreciation Rate on New Additions	Depreciation Expense on Assets Existing Before Policy Change	Depreciation Expense on Assets Acquired After Policy Change	Depreciation Expense on Current Year Additions [5]	Total Current Year Depreciation Expense	Depreciation Expense per Appendix 2-BA Fixed Assets, Column J	Variance [6]
		a	b	c = a-b	d	e	f = d- e	g	h	i = 1/h	j	k = 1/j	l = c/h	m = f/j	n = g*0.5/j	o = l+m+n	p	q = p-o
1611	Computer Software (Formally known as Account 1925)	$ 69,572,669	$ 36,877,357	$ 32,695,312	$ 67,387,997	$ 5,290,961	$ 62,097,036	$ 96,165,279	4.91	20.36%	6.84	14.63%	**$ 6,655,322**	**$ 9,082,563**	**$ 7,032,761**	**$ 22,770,646**	$ 24,791,002	**$ 2,020,356**
1612	Land Rights	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1805	Land	$ 7,588,531	$ -	$ 7,588,531	-$ 8,030	$ -	-$ 8,030	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1808	Buildings	$ 29,677,626	$ 3,203,894	$ 26,473,732	$ 87,327,434	$ 5,350	$ 87,322,084	$ 16,455,257	18.08	5.53%	62.90	1.59%	**$ 1,464,400**	**$ 1,388,355**	**$ 130,813**	**$ 2,983,568**	$ 3,351,463	**$ 367,895**
1815	Transformer Station Equipment >50 kV	$ 5,839,955	$ 13,224	$ 5,826,730	$ 31,091,235	$ -	$ 31,091,235	$ 1,310,327	14.45	6.92%	36.88	2.71%	**$ 403,185**	**$ 843,138**	**$ 17,767**	**$ 1,264,090**	$ 1,291,156	**$ 27,066**
1820	Distribution Station Equipment <50 kV	$ 112,667,455	$ 1,707,056	$ 110,960,399	$ 73,489,735	$ -	$ 73,489,735	$ 44,518,078	19.20	5.21%	31.75	3.15%	**$ 5,779,142**	**$ 2,314,304**	**$ 700,971**	**$ 8,794,418**	$ 8,890,469	**$ 96,052**
1830	Poles, Towers & Fixtures	$ 208,620,348	$ 763,354	$ 207,856,994	$ 169,783,390	$ 1,311,076	$ 168,472,314	$ 29,326,949	31.60	3.16%	38.16	2.62%	**$ 6,576,912**	**$ 4,414,728**	**$ 384,249**	**$ 11,375,888**	$ 10,881,638	**-$ 494,250**
1835	Overhead Conductors & Devices	$ 197,786,423	$ 735,569	$ 197,050,854	$ 200,296,773	$ 1,434,382	$ 198,862,391	$ 43,657,910	34.02	2.94%	44.44	2.25%	**$ 5,792,421**	**$ 4,474,977**	**$ 491,214**	**$ 10,758,613**	$ 10,809,893	**$ 51,280**
1840	Underground Conduit	$ 639,376,710	$ 5,008,668	$ 634,368,042	$ 490,165,792	$ 205,791	$ 489,960,001	$ 98,322,508	22.27	4.49%	33.22	3.01%	**$ 28,489,806**	**$ 14,750,716**	**$ 1,480,047**	**$ 44,720,569**	$ 44,902,816	**$ 182,247**
1845	Underground Conductors & Devices	$ 397,494,067	$ 6,633,322	$ 390,860,745	$ 402,623,384	$ 5,111,479	$ 397,511,905	$ 88,499,944	31.09	3.22%	37.46	2.67%	**$ 12,571,810**	**$ 10,610,301**	**$ 1,181,111**	**$ 24,363,221**	$ 24,982,566	**$ 619,345**
1850	Line Transformers	$ 305,215,157	$ 8,045,785	$ 297,169,373	$ 245,905,202	$ 1,520,860	$ 244,384,342	$ 67,842,711	18.14	5.51%	27.49	3.64%	**$ 16,381,002**	**$ 8,889,683**	**$ 1,233,917**	**$ 26,504,602**	$ 24,107,411	**-$ 2,397,191**
1855	Services (Overhead & Underground)	$ 61,419,385	$ 720,464	$ 60,698,921	$ 62,815,335	$ 76,476	$ 62,738,858	$ 17,736,555	40.50	2.47%	44.28	2.26%	**$ 1,498,869**	**$ 1,416,874**	**$ 200,278**	**$ 3,116,021**	$ 3,057,508	**-$ 58,513**
1860	Meters	$ 44,538,583	$ 1,198,476	$ 43,340,106	$ 38,342,883	$ 235,731	$ 38,107,151	$ 17,692,914	19.72	5.07%	21.06	4.75%	**$ 2,198,305**	**$ 1,809,336**	**$ 420,032**	**$ 4,427,673**	$ 4,618,567	**$ 190,894**
1860	Meters (Smart Meters)	$ 94,589,513	$ 2,176,233	$ 92,413,280	$ 34,509,395	$ 106,085	$ 34,403,310	$ 8,399,704	9.75	10.25%	15.00	6.67%	**$ 9,474,408**	**$ 2,293,554**	**$ 279,990**	**$ 12,047,952**	$ 11,305,147	**-$ 742,805**
1905	Land	$ 9,150,994	$ -	$ 9,150,994	$ 9,250,332	$ -	$ 9,250,332	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1908	Buildings & Fixtures	$ 65,356,634	$ 16,446,753	$ 48,909,881	$ 185,015,240	$ 2,372,563	$ 182,642,677	$ 3,834,718	12.89	7.76%	30.98	3.23%	**$ 3,793,552**	**$ 5,895,372**	**$ 61,889**	**$ 9,750,813**	$ 11,331,950	**$ 1,581,138**
1910	Leasehold Improvements	$ 701,434	$ 701,434	$ -	$ 52,406	$ -	$ 52,406	$ -	3.03	32.97%	5.00	20.00%	**$ -**	**$ 10,481**	**$ -**	**$ 10,481**	$ 10,481	**$ 0**
1915	Office Furniture & Equipment	$ 9,802,431	$ 2,404,395	$ 7,398,035	$ 9,227,322	$ -	$ 9,227,322	$ 567,003	5.87	17.02%	10.00	10.00%	**$ 1,259,422**	**$ 922,732**	**$ 28,350**	**$ 2,210,505**	$ 2,112,380	**-$ 98,125**
1920	Computer Equipment - Hardware	$ 11,192,631	$ 11,254,107	-$ 61,476	$ 47,490,710	$ 4,698,090	$ 42,792,621	$ 11,534,282	3.34	29.93%	4.75	21.05%	**-$ 18,400**	**$ 9,008,314**	**$ 1,214,046**	**$ 10,203,960**	$ 11,352,594	**$ 1,148,635**
1930	Transportation Equipment	$ 21,967,081	$ 15,357,998	$ 6,609,083	$ 12,088,500	$ -	$ 12,088,500	$ 4,652,877	4.03	24.80%	7.41	13.49%	**$ 1,639,126**	**$ 1,630,510**	**$ 313,792**	**$ 3,583,428**	$ 3,733,970	**$ 150,542**
1935	Stores Equipment	$ 7,066	$ 7,066	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1940	Tools, Shop & Garage Equipment	$ 11,036,987	$ 3,173,694	$ 7,863,293	$ 10,159,910	$ -	$ 10,159,910	$ 3,306,026	5.61	17.81%	9.95	10.05%	**$ 1,400,830**	**$ 1,020,702**	**$ 166,068**	**$ 2,587,600**	$ 2,282,386	**-$ 305,214**
1945	Measurement & Testing Equipment	$ 9,367,510	$ 35,289	$ 9,332,221	-$ 8,887,268	$ -	-$ 8,887,268	$ 182	4.39	22.77%	4.39	22.77%	**$ 2,124,778**	**-$ 2,023,470**	**$ 21**	**$ 101,329**	$ 59,829	**-$ 41,499**
1950	Service Equipment	$ 615,688	$ 266,460	$ 349,228	$ 230,085	$ -	$ 230,085	$ 192,667	5.09	19.66%	8.00	12.50%	**$ 68,668**	**$ 28,761**	**$ 12,042**	**$ 109,471**	$ 113,681	**$ 4,210**
1955	Communications Equipment	$ 4,593,288	$ 4,444,612	$ 148,676	$ 40,764,758	$ -	$ 40,764,758	$ 616,253	2.94	34.04%	13.35	7.49%	**$ 50,608**	**$ 3,053,852**	**$ 23,083**	**$ 3,127,543**	$ 4,287,086	**$ 1,159,543**
1960	Miscellaneous Equipment	$ 267,071	$ -	$ 267,071	$ 3,907	$ -	$ 3,907	$ 4,792	7.23	13.82%	10.00	10.00%	**$ 36,919**	**$ 391**	**$ 240**	**$ 37,549**	$ 37,343	**-$ 206**
1970	Load Management Controls Customer Premises	$ 3,022,834	$ 3,022,834	$ -	$ -	$ -	$ -	$ -	2.85	35.12%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1975	Load Management Controls Utility Premises	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1980	System Supervisor Equipment	$ 19,174,795	$ 1,725,140	$ 17,449,656	$ 18,172,795	$ 70,327	$ 18,102,468	$ 15,440,125	11.09	9.02%	14.97	6.68%	**$ 1,573,518**	**$ 1,209,110**	**$ 515,643**	**$ 3,298,271**	$ 2,887,747	**-$ 410,524**
1985	Miscellaneous Fixed Assets	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
2440	Contributions & Grants (Formally known as Account 1995)	$ -	$ -	$ -	-$ 120,141,389	-$ 6,053,553	-$ 114,087,836	-$ 64,488,417	-	0.00%	35.31	2.83%	**$ -**	**-$ 3,230,645**	**-$ 913,065**	**-$ 4,143,710**	-$ 5,203,131	**-$ 1,059,421**
1609	Capital Contributions Paid	$ 19,104,312	$ -	$ 19,104,312	$ 56,470,186	$ -	$ 56,470,186	$ 110,620,512	21.68	4.61%	24.97	4.00%	**$ 881,195**	**$ 2,261,340**	**$ 2,214,891**	**$ 5,357,427**	$ 5,592,493	**$ 235,066**
2005	Property Under Capital Leases	$ 7,191,090	$ -	$ 7,191,090	$ 10,979,744	$ 10,979,744	$ -	$ -	80.42	1.24%	4.31	23.20%	**$ 89,423**	**$ -**	**$ -**	**$ 89,423**	$ 1,076,886	**$ 987,463**
	Sub-Total	**$ 2,366,938,267**	**$ 125,923,184**	**$ 2,241,015,083**	**$ 2,174,607,766**	**$ 27,365,363**	**$ 2,147,242,402**	**$ 616,209,155**					**$ 110,185,220**	**$ 82,075,979**	**$ 17,190,149**	**$ 209,451,348**	**$ 212,665,331**	**$ 3,213,983**
	Less Socialized Renewable Energy Generation Investments ***(input as negative)***	$ -		$ -	$ -		$ -	-$ 806,300		0.00%	10.00	10.00%	**$ -**	**$ -**	**-$ 40,315**	**-$ 40,315**	-$ 5,944	**$ 34,371**
	Less Other Non Rate-Regulated Utility Assets ***(input as negative)***	$ -		$ -	-$ 2,002,023		-$ 2,002,023	-$ 6,480,512		0.00%	15.00	6.67%	**$ -**	**-$ 133,468**	**-$ 216,017**	**-$ 349,485**	-$ 187,386	**$ 162,099**
	Total	**$ 2,366,938,267**	**$ 125,923,184**	**$ 2,241,015,083**	**$ 2,172,605,743**	**$ 27,365,363**	**$ 2,145,240,380**	**$ 608,922,343**					**$ 110,185,220**	**$ 81,942,510**	**$ 16,933,817**	**$ 209,061,547**	**$ 212,472,001**	**$ 3,410,453**

General: Applicants are to complete this appendix to show the reasonability of the depreciation expense that is included in rate base via. Accumulated depreciation and the revenue requirement.
Applicants must provide a breakdown of depreciation and amortization expense in the above format for all relevant accounts. Balances presented in the table should exclude asset retirement obligations (AROs) and the related depreciation and accretion expense. These should be disclosed separately consistent with the Notes of historical Audited Financial Statements.

Notes:

1 This is the net book value of assets that existed as at the date of the utility's change in depreciation policies (i.e. as at Jan. 1, 2012 or Jan. 1, 2013). These assets are to be depreciated at the average remaining service life. This amount will not change in years subsequent to the date of the utility's change in depreciation policies. This column is expected to be used until the assets that existed as at the date of the utility's change in depreciation policies are fully depreciated.

2 This is the opening gross book value of assets that have been acquired after the date of the utilities change in depreciation policies (i.e. additions starting in 2012/2013 for those who changed policies Jan. 1, 2012/2013). These assets are to be depreciated at the revised service life. The amount is expected to be equal to the gross book value of the prior year plus the prior year's additions.

3 A recalculation should be performed to determine the average remaining life of opening balance of assets (i.e. excluding current year's additions) under the change in policies under CGAAP. For example, Asset A had a useful life of 20 years under CGAAP without the change in policies. On January 1 of the year of policy changes, Asset A was 3 years depreciated. As a result, Asset A would have a remaining service life of 17 years (20 years less 3 years) as at January 1 of the year of policy changes. Due to making the change in policies under CGAAP, management re-assessed the asset useful lives and concluded that the revised useful life of Asset A is now 30 years. Therefore, the average remaining useful life of the opening balance of Asset A is determined to be 27 years (30 years less 3 years) under the revised CGAAP as at January 1 of the year of policy changes.

4 The useful life used should be consistent with the OEB's regulatory accounting policies as set out in the Accounting Procedures Handbook for Electricity Distributors, effective Jan. 1, 2012 and also with the Report of the Board, Transition to International Financial Reporting Standards, EB-2008-0408, and the Kinectrics Report.

5 Board policy of the "half-year" rule - the applicant must ensure that additions in the year attract a half-year depreciation expense in the first year. Deviations from this standard practice must be supported in the application.

6 The applicant must provide an explanation of material variances in evidence.

7 This should include assets in column a (excel column C) that become fully depreciated since the date of the policy change. The amount input in b (excel column D) should equal the net book value of the asset as at the date of depreciation policy change

8 This should include assets in column d (excel column f) that have become fully depreciated. The amount input in e (excel column G) should equal the gross book value of the asset

Appendix 2-C
Depreciation and Amortization Expense

This appendix is to be completed in conjunction with the accounting instructions in Appendix 2-B

Scenario that applies	Applicable Years and Accounting Standard	Year Reflected in Schedule Below	Accounting Standard Reflected in Schedule Below
Rebasing for the first time with depreciation policy changes made in 2012. ☐	This appendix must be duplicated and completed for the years 2012 to 2018. The appendix for 2012 is to be completed under CGAAP (prior to changes in depreciation policies). The appendix for 2012 to 2014 must be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).		
Rebasing for the first time with depreciation policy changes made in 2013. ☐	This appendix must be duplicated and completed for the years 2013 to 2018. The appendix for 2013 is to be completed under CGAAP (prior to changes in depreciation policies). The appendix for 2013 to 2014 must be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).		
Already rebased with depreciation policy changes in a prior rate application ☑	This appendix must be completed for 2014 to 2018. The appendix for 2014 is to be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).	2019	MIFRS

		Book Values							Service Lives				Depreciation Expense						
Account	Description	Opening Net Book Value of Existing Assets as at Date of Policy Change (Jan. 1) [1]	Less Fully Depreciated [7]	Net Amount of Existing Assets Before Policy Change to be Depreciated	Opening Gross Book Value of Assets Acquired After Policy Change [2]	Less Fully Depreciated [8]	Net Amount of Assets Acquired After Policy Change to be Depreciated	Current Year Additions	Average Remaining Life of Assets Existing Before Policy Change [3]	Depreciation Rate Assets Acquired After Policy Change	Life of Assets Acquired After Policy Change [4]	Depreciation Rate on New Additions	Depreciation Expense on Assets Existing Before Policy Change	Depreciation Expense on Assets Acquired After Policy Change	Depreciation Expense on Current Year Additions [5]	Total Current Year Depreciation Expense	Depreciation Expense per Appendix 2-BA Fixed Assets, Column J	Variance [6]
		a	b	c = a-b	d	e	f = d- e	g	h	i = 1/h	j	k = 1/j	l = c/h	m = f/j	n = g*0.5/j	o = l+m+n	p	q = p-o
1611	Computer Software (Formally known as Account 1925)	$ 69,572,669	$ 36,877,357	$ 32,695,312	$ 163,553,275	$ 19,277,944	$ 144,275,331	$ 34,899,862	4.91	20.36%	6.51	15.36%	$ 6,655,322	$ 22,154,745	$ 2,679,590	$ 31,489,657	$ 31,832,793	$ 343,136
1612	Land Rights	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	$ -	$ -	$ -	$ -	$ -	$ -
1805	Land	$ 7,588,531	$ -	$ 7,588,531	-$ 8,030	$ -	-$ 8,030	$ -	-	0.00%	-	0.00%	$ -	$ -	$ -	$ -	$ -	$ -
1808	Buildings	$ 29,677,626	$ 3,292,155	$ 26,385,471	$ 103,782,692	$ 5,350	$ 103,777,342	$ 1,390,768	18.08	5.53%	62.41	1.60%	$ 1,459,518	$ 1,662,787	$ 11,142	$ 3,133,446	$ 3,671,135	$ 537,689
1815	Transformer Station Equipment >50 kV	$ 5,839,955	$ 13,224	$ 5,826,730	$ 32,401,562	$ -	$ 32,401,562	$ 98,421	14.45	6.92%	36.86	2.71%	$ 403,185	$ 879,024	$ 1,335	$ 1,283,544	$ 1,321,906	$ 38,362
1820	Distribution Station Equipment <50 kV	$ 112,667,455	$ 2,585,570	$ 110,081,886	$ 118,007,813	$ -	$ 118,007,813	$ 22,534,698	19.20	5.21%	31.65	3.16%	$ 5,733,387	$ 3,728,302	$ 355,977	$ 9,817,666	$ 10,158,330	$ 340,664
1830	Poles, Towers & Fixtures	$ 208,620,348	$ 763,354	$ 207,856,994	$ 199,110,339	$ 1,397,281	$ 197,713,059	$ 27,186,494	31.60	3.16%	38.40	2.60%	$ 6,576,912	$ 5,148,472	$ 353,970	$ 12,079,354	$ 11,274,091	-$ 805,263
1835	Overhead Conductors & Devices	$ 197,786,423	$ 934,614	$ 196,851,809	$ 243,954,683	$ 1,713,413	$ 242,241,270	$ 40,428,298	34.02	2.94%	44.41	2.25%	$ 5,786,570	$ 5,454,979	$ 455,198	$ 11,696,747	$ 11,559,544	-$ 137,203
1840	Underground Conduit	$ 639,376,710	$ 7,697,861	$ 631,678,849	$ 588,488,300	$ 205,791	$ 588,282,509	$ 96,757,977	22.27	4.49%	33.30	3.00%	$ 28,369,033	$ 17,666,342	$ 1,452,839	$ 47,488,214	$ 47,539,941	$ 51,727
1845	Underground Conductors & Devices	$ 397,494,067	$ 6,914,611	$ 390,579,456	$ 491,123,328	$ 5,858,818	$ 485,264,510	$ 96,185,169	31.09	3.22%	37.21	2.69%	$ 12,562,762	$ 13,040,325	$ 1,292,373	$ 26,895,460	$ 26,397,900	-$ 497,560
1850	Line Transformers	$ 305,215,157	$ 10,840,283	$ 294,374,874	$ 313,747,913	$ 1,520,860	$ 312,227,053	$ 79,882,272	18.14	5.51%	27.49	3.64%	$ 16,226,960	$ 11,359,645	$ 1,453,164	$ 29,039,769	$ 25,933,134	-$ 3,106,636
1855	Services (Overhead & Underground)	$ 61,419,385	$ 720,464	$ 60,698,921	$ 80,551,889	$ 77,979	$ 80,473,910	$ 16,527,952	40.50	2.47%	44.44	2.25%	$ 1,498,869	$ 1,810,939	$ 185,968	$ 3,495,775	$ 3,429,537	-$ 66,238
1860	Meters	$ 44,538,583	$ 1,198,476	$ 43,340,106	$ 56,035,796	$ 273,348	$ 55,762,448	$ 18,432,082	19.72	5.07%	21.05	4.75%	$ 2,198,305	$ 2,648,537	$ 437,732	$ 5,284,573	$ 5,447,752	$ 163,179
1860	Meters (Smart Meters)	$ 94,589,513	$ 2,176,233	$ 92,413,280	$ 42,909,100	$ 106,085	$ 42,803,014	$ 8,482,042	9.75	10.25%	15.00	6.67%	$ 9,474,408	$ 2,853,534	$ 282,735	$ 12,610,677	$ 11,738,159	-$ 872,517
1905	Land	$ 9,150,994	$ -	$ 9,150,994	$ 9,250,332	$ -	$ 9,250,332	$ -	-	0.00%	-	0.00%	$ -	$ -	$ -	$ -	$ -	$ -
1908	Buildings & Fixtures	$ 65,356,634	$ 5,140,983	$ 60,215,651	$ 188,849,958	$ 2,372,563	$ 186,477,395	$ 992,208	12.89	7.76%	30.94	3.23%	$ 4,670,451	$ 6,026,815	$ 16,034	$ 10,713,300	$ 11,349,805	$ 636,505
1910	Leasehold Improvements	$ 701,434	$ 701,434	$ -	$ 52,406	$ 52,406	-$ 0	$ -	3.03	32.97%	5.00	20.00%	$ -	-$ 0	-$ 0	$ 0	$ 8,734	$ 8,734
1915	Office Furniture & Equipment	$ 9,802,431	$ 2,499,302	$ 7,303,129	$ 9,794,325	$ -	$ 9,794,325	$ 355,697	5.87	17.02%	10.00	10.00%	$ 1,243,266	$ 979,432	$ 17,785	$ 2,240,483	$ 2,097,661	-$ 142,822
1920	Computer Equipment - Hardware	$ 11,192,631	$ 11,254,520	-$ 61,889	$ 59,024,992	$ 13,726,866	$ 45,298,126	$ 7,685,101	3.34	29.93%	4.66	21.44%	-$ 18,524	$ 9,710,722	$ 823,741	$ 10,515,940	$ 11,744,632	$ 1,228,692
1930	Transportation Equipment	$ 21,967,081	$ 21,164,466	$ 802,615	$ 16,741,377	$ -	$ 16,741,377	$ 3,123,485	4.03	24.80%	7.43	13.46%	$ 199,057	$ 2,253,375	$ 210,209	$ 2,662,642	$ 3,254,411	$ 591,769
1935	Stores Equipment	$ 7,066	$ 7,066	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	$ -	$ -	$ -	$ -	$ -	$ -
1940	Tools, Shop & Garage Equipment	$ 11,036,987	$ 3,804,933	$ 7,232,054	$ 13,465,936	$ -	$ 13,465,936	$ 9,125,806	5.61	17.81%	9.97	10.03%	$ 1,288,376	$ 1,350,255	$ 457,531	$ 3,096,162	$ 2,480,670	-$ 615,491
1945	Measurement & Testing Equipment	$ 9,367,510	$ 35,289	$ 9,332,221	-$ 8,887,085	$ -	-$ 8,887,085	$ 610	4.39	22.77%	4.39	22.77%	$ 2,124,778	-$ 2,023,428	$ 69	$ 101,419	$ 59,861	-$ 41,557
1950	Service Equipment	$ 615,688	$ 390,650	$ 225,037	$ 422,752	$ -	$ 422,752	$ 76,515	5.09	19.66%	8.00	12.50%	$ 44,249	$ 52,844	$ 4,782	$ 101,875	$ 95,793	-$ 6,082
1955	Communications Equipment	$ 4,593,288	$ 4,444,612	$ 148,676	$ 41,381,011	$ 2,487,921	$ 38,893,090	$ 659,651	2.94	34.04%	13.28	7.53%	$ 50,608	$ 2,929,041	$ 24,839	$ 3,004,488	$ 4,122,018	$ 1,117,530
1960	Miscellaneous Equipment	$ 267,071	$ -	$ 267,071	$ 8,699	$ -	$ 8,699	$ -	7.23	13.82%	10.00	10.00%	$ 36,919	$ 870	$ -	$ 37,789	$ 37,712	-$ 78
1970	Load Management Controls Customer Premises	$ 3,022,834	$ 3,022,834	$ -	$ -	$ -	$ -	$ -	2.85	35.12%	-	0.00%	$ -	$ -	$ -	$ -	$ -	$ -
1975	Load Management Controls Utility Premises	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	$ -	$ -	$ -	$ -	$ -	$ -
1980	System Supervisor Equipment	$ 19,174,795	$ 1,993,489	$ 17,181,306	$ 33,612,920	$ 70,327	$ 33,542,593	$ 11,782,424	11.09	9.02%	14.98	6.68%	$ 1,549,320	$ 2,239,277	$ 393,293	$ 4,181,889	$ 3,581,825	-$ 600,064
1985	Miscellaneous Fixed Assets	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	$ -	$ -	$ -	$ -	$ -	$ -
2440	Contributions & Grants (Formally known as Account 1995)	$ -	$ -	$ -	-$ 184,629,806	-$ 6,958,091	-$ 177,671,714	-$ 72,738,047	-	0.00%	34.28	2.92%	$ -	-$ 5,182,205	-$ 1,060,786	-$ 6,242,991	-$ 6,334,692	$ 91,700
1609	Capital Contributions Paid	$ 19,104,312	$ -	$ 19,104,312	$ 167,090,698	$ -	$ 167,090,698	$ 5,579,006	21.68	4.61%	24.97	4.00%	$ 881,195	$ 6,690,880	$ 111,701	$ 7,683,776	$ 7,676,972	-$ 6,804
2005	Property Under Capital Leases	$ 7,191,090	$ -	$ 7,191,090	$ 10,979,744	$ 10,979,744	$ -	$ -	80.42	1.24%	4.31	23.20%	$ 89,423	$ -	$ -	$ 89,423	$ 89,423	-$ 0
	Sub-Total	**$ 2,366,938,267**	**$ 128,473,782**	**$ 2,238,464,486**	**$ 2,790,816,920**	**$ 53,168,607**	**$ 2,737,648,314**	**$ 409,448,493**					**$ 109,104,347**	**$ 113,435,509**	**$ 9,961,222**	**$ 232,501,078**	**$ 230,569,049**	**-$ 1,932,030**
	Less Socialized Renewable Energy Generation Investments ***(input as negative)***	$ -		$ -	-$ 806,300		-$ 806,300	-$ 7,332,469		0.00%	10.00	10.00%	$ -	-$ 80,630	-$ 366,623	-$ 447,253	-$ 113,812	$ 333,442
	Less Other Non Rate-Regulated Utility Assets ***(input as negative)***	$ -		$ -	-$ 8,482,535		-$ 8,482,535	-$ 4,280,125		0.00%	15.00	6.67%	$ -	-$ 565,502	-$ 142,671	-$ 708,173	-$ 453,429	$ 254,745
	Total	**$ 2,366,938,267**	**$ 128,473,782**	**$ 2,238,464,486**	**$ 2,781,528,086**	**$ 53,168,607**	**$ 2,728,359,479**	**$ 397,835,898**					**$ 109,104,347**	**$ 112,789,377**	**$ 9,451,927**	**$ 231,345,651**	**$ 230,001,808**	**-$ 1,343,843**

General: Applicants are to complete this appendix to show the reasonability of the depreciation expense that is included in rate base via. Accumulated depreciation and the revenue requirement.
Applicants must provide a breakdown of depreciation and amortization expense in the above format for all relevant accounts. Balances presented in the table should exclude asset retirement obligations (AROs) and the related depreciation and accretion expense. These should be disclosed separately consistent with the Notes of historical Audited Financial Statements.

Notes:

1 This is the net book value of assets that existed as at the date of the utility's change in depreciation policies (i.e. as at Jan. 1, 2012 or Jan. 1, 2013). These assets are to be depreciated at the average remaining service life. This amount will not change in years subsequent to the date of the utility's change in depreciation policies. This column is expected to be used until the assets that existed as at the date of the utility's change in depreciation policies are fully depreciated.

2 This is the opening gross book value of assets that have been acquired after the date of the utilities change in depreciation policies (i.e. additions starting in 2012/2013 for those who changed policies Jan. 1, 2012/2013). These assets are to be depreciated at the revised service life. The amount is expected to be equal to the gross book value of the prior year plus the prior year's additions.
A recalculation should be performed to determine the average remaining life of opening balance of assets (i.e. excluding current year's additions) under the change in policies under CGAAP. For example, Asset A had a useful life of 20 years under CGAAP without the change in policies. On January 1 of the year of policy changes, Asset A was 3 years depreciated. As a result, Asset A would have a remaining service life of 17 years (20 years less 3 years) as at January 1 of the year of policy changes. Due to making the change in policies under CGAAP, management re-assessed the asset useful lives and concluded that the revised useful life of Asset A is now 30 years. Therefore, the average remaining useful life of the opening balance of Asset A is determined to be 27 years (30 years less 3 years) under the revised CGAAP as at January 1 of the year of policy changes.

3

4 The useful life used should be consistent with the OEB's regulatory accounting policies as set out in the Accounting Procedures Handbook for Electricity Distributors, effective Jan. 1, 2012 and also with the Report of the Board, Transition to International Financial Reporting Standards, EB-2008-0408, and the Kinectrics Report.

5 Board policy of the "half-year" rule - the applicant must ensure that additions in the year attract a half-year depreciation expense in the first year. Deviations from this standard practice must be supported in the application.

6 The applicant must provide an explanation of material variances in evidence.

7 This should include assets in column a (excel column C) that become fully depreciated since the date of the policy change. The amount input in b (excel column D) should equal the net book value of the asset as at the date of depreciation policy change

8 This should include assets in column d (excel column f) that have become fully depreciated. The amount input in e (excel column G) should equal the gross book value of the asset

Appendix 2-C
Depreciation and Amortization Expense

This appendix is to be completed in conjunction with the accounting instructions in Appendix 2-B

Scenario that applies	Applicable Years and Accounting Standard	Year Reflected in Schedule Below	Accounting Standard Reflected in Schedule Below
Rebasing for the first time with depreciation policy changes made in 2012. ☐	This appendix must be duplicated and completed for the years 2012 to 2018. The appendix for 2012 is to be completed under CGAAP (prior to changes in depreciation policies). The appendix for 2012 to 2014 must be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).		
Rebasing for the first time with depreciation policy changes made in 2013. ☐	This appendix must be duplicated and completed for the years 2013 to 2018. The appendix for 2013 is to be completed under CGAAP (prior to changes in depreciation policies). The appendix for 2013 to 2014 must be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).		
Already rebased with depreciation policy changes in a prior rate application ☑	This appendix must be completed for 2014 to 2018. The appendix for 2014 is to be completed under Revised CGAAP (after changes in depreciation policies). The appendix for 2014 to 2018 is to be completed under MIFRS (2014 if changes to MIFRS are material).	2020	MIFRS

		Book Values							Service Lives				Depreciation Expense						
Account	Description	Opening Net Book Value of Existing Assets as at Date of Policy Change (Jan. 1) [1]	Less Fully Depreciated [7]	Net Amount of Existing Assets Before Policy Change to be Depreciated	Opening Gross Book Value of Assets Acquired After Policy Change [2]	Less Fully Depreciated [8]	Net Amount of Assets Acquired After Policy Change to be Depreciated	Current Year Additions	Average Remaining Life of Assets Existing Before Policy Change [3]	Depreciation Rate Assets Acquired After Policy Change	Life of Assets Acquired After Policy Change [4]	Depreciation Rate on New Additions	Depreciation Expense on Assets Existing Before Policy Change	Depreciation Expense on Assets Acquired After Policy Change	Depreciation Expense on Current Year Additions [5]	Total Current Year Depreciation Expense	Depreciation Expense per Appendix 2-BA Fixed Assets, Column J	Variance [6]
		a	b	c = a-b	d	e	f = d- e	g	h	i = 1/h	j	k = 1/j	l = c/h	m = f/j	n = g*0.5/j	o = l+m+n	p	q = p-o
1611	Computer Software (Formally known as Account 1925)	$ 69,572,669	$ 36,877,357	$ 32,695,312	$ 198,453,137	$ 31,870,339	$ 166,582,798	$ 30,655,579	4.91	20.36%	6.31	15.85%	**$ 6,655,322**	**$ 26,404,467**	**$ 2,429,555**	**$ 35,489,344**	$ 36,099,942	**$ 610,598**
1612	Land Rights	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1805	Land	$ 7,588,531	$ -	$ 7,588,531	-$ 8,030	$ -	-$ 8,030	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1808	Buildings	$ 29,677,626	$ 3,502,025	$ 26,175,601	$ 105,173,460	$ 5,350	$ 105,168,110	$ 2,986,710	18.08	5.53%	61.39	1.63%	**$ 1,447,909**	**$ 1,713,087**	**$ 24,325**	**$ 3,185,321**	$ 3,720,102	**$ 534,781**
1815	Transformer Station Equipment >50 kV	$ 5,839,955	$ 13,224	$ 5,826,730	$ 32,499,983	$ -	$ 32,499,983	$ 112,337	14.45	6.92%	36.84	2.71%	**$ 403,185**	**$ 882,095**	**$ 1,524**	**$ 1,286,804**	$ 1,325,172	**$ 38,368**
1820	Distribution Station Equipment <50 kV	$ 112,667,455	$ 3,473,401	$ 109,194,054	$ 140,542,512	$ -	$ 140,542,512	$ 27,166,846	19.20	5.21%	31.13	3.21%	**$ 5,687,146**	**$ 4,514,288**	**$ 436,306**	**$ 10,637,739**	$ 11,273,000	**$ 635,261**
1830	Poles, Towers & Fixtures	$ 208,620,348	$ 763,354	$ 207,856,994	$ 226,296,834	$ 1,397,281	$ 224,899,553	$ 34,478,688	31.60	3.16%	38.64	2.59%	**$ 6,576,912**	**$ 5,820,424**	**$ 446,156**	**$ 12,843,492**	$ 11,739,346	**-$ 1,104,146**
1835	Overhead Conductors & Devices	$ 197,786,423	$ 1,150,248	$ 196,636,175	$ 284,382,981	$ 1,713,413	$ 282,669,569	$ 47,031,817	34.02	2.94%	44.50	2.25%	**$ 5,780,232**	**$ 6,352,131**	**$ 528,448**	**$ 12,660,810**	$ 12,364,683	**-$ 296,128**
1840	Underground Conduit	$ 639,376,710	$ 10,972,359	$ 628,404,350	$ 685,246,277	$ 205,791	$ 685,040,485	$ 111,087,570	22.27	4.49%	33.29	3.00%	**$ 28,221,973**	**$ 20,575,265**	**$ 1,668,264**	**$ 50,465,502**	$ 50,257,599	**-$ 207,903**
1845	Underground Conductors & Devices	$ 397,494,067	$ 7,329,048	$ 390,165,019	$ 587,308,497	$ 5,858,818	$ 581,449,679	$ 99,413,968	31.09	3.22%	37.53	2.66%	**$ 12,549,432**	**$ 15,494,355**	**$ 1,324,582**	**$ 29,368,369**	$ 29,225,810	**-$ 142,559**
1850	Line Transformers	$ 305,215,157	$ 13,904,114	$ 291,311,043	$ 393,630,185	$ 1,520,860	$ 392,109,325	$ 79,659,607	18.14	5.51%	27.38	3.65%	**$ 16,058,071**	**$ 14,322,912**	**$ 1,454,897**	**$ 31,835,880**	$ 28,236,015	**-$ 3,599,865**
1855	Services (Overhead & Underground)	$ 61,419,385	$ 720,464	$ 60,698,921	$ 97,079,842	$ 77,979	$ 97,001,862	$ 19,867,315	40.50	2.47%	44.49	2.25%	**$ 1,498,869**	**$ 2,180,446**	**$ 223,293**	**$ 3,902,607**	$ 3,818,256	**-$ 84,351**
1860	Meters	$ 44,538,583	$ 1,198,476	$ 43,340,106	$ 74,467,878	$ 273,348	$ 74,194,530	$ 20,046,264	19.72	5.07%	21.06	4.75%	**$ 2,198,305**	**$ 3,522,410**	**$ 475,852**	**$ 6,196,566**	$ 6,389,230	**$ 192,663**
1860	Meters (Smart Meters)	$ 94,589,513	$ 2,176,233	$ 92,413,280	$ 51,391,142	$ 106,085	$ 51,285,056	$ 9,339,433	9.75	10.25%	15.00	6.67%	**$ 9,474,408**	**$ 3,419,004**	**$ 311,314**	**$ 13,204,726**	$ 12,222,117	**-$ 982,609**
1905	Land	$ 9,150,994	$ -	$ 9,150,994	$ 9,250,332	$ -	$ 9,250,332	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1908	Buildings & Fixtures	$ 65,356,634	$ 5,869,810	$ 59,486,824	$ 189,842,166	$ 2,372,563	$ 187,469,603	$ 2,499,408	12.89	7.76%	30.84	3.24%	**$ 4,613,922**	**$ 6,078,026**	**$ 40,517**	**$ 10,732,465**	$ 11,382,932	**$ 650,467**
1910	Leasehold Improvements	$ 701,434	$ 701,434	$ -	$ 52,406	$ 52,406	-$ 0	$ -	3.03	32.97%	5.00	20.00%	**$ -**	**-$ 0**	**$ -**	**-$ 0**	$ -	**$ 0**
1915	Office Furniture & Equipment	$ 9,802,431	$ 5,698,460	$ 4,103,971	$ 10,150,022	$ -	$ 10,150,022	$ 896,014	5.87	17.02%	10.00	10.00%	**$ 698,649**	**$ 1,015,002**	**$ 44,801**	**$ 1,758,452**	$ 1,905,523	**$ 147,071**
1920	Computer Equipment - Hardware	$ 11,192,631	$ 11,254,520	-$ 61,889	$ 66,710,093	$ 23,468,331	$ 43,241,762	$ 11,081,696	3.34	29.93%	4.57	21.88%	**-$ 18,524**	**$ 9,462,728**	**$ 1,212,521**	**$ 10,656,725**	$ 11,692,222	**$ 1,035,496**
1930	Transportation Equipment	$ 21,967,081	$ 21,784,692	$ 182,389	$ 19,864,862	$ 419,948	$ 19,444,914	$ 4,654,924	4.03	24.80%	7.40	13.51%	**$ 45,234**	**$ 2,626,123**	**$ 314,334**	**$ 2,985,692**	$ 3,045,967	**$ 60,275**
1935	Stores Equipment	$ 7,066	$ 7,066	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1940	Tools, Shop & Garage Equipment	$ 11,036,987	$ 6,458,923	$ 4,578,064	$ 22,591,742	$ -	$ 22,591,742	$ 9,772,286	5.61	17.81%	9.98	10.02%	**$ 815,573**	**$ 2,263,431**	**$ 489,535**	**$ 3,568,539**	$ 3,095,774	**-$ 472,765**
1945	Measurement & Testing Equipment	$ 9,367,510	$ 149,700	$ 9,217,811	-$ 8,886,476	$ -	-$ 8,886,476	$ 2,661	4.39	22.77%	4.39	22.77%	**$ 2,098,729**	**-$ 2,023,290**	**$ 303**	**$ 75,742**	$ 44,522	**-$ 31,220**
1950	Service Equipment	$ 615,688	$ 478,132	$ 137,556	$ 499,267	$ -	$ 499,267	$ 59,523	5.09	19.66%	8.00	12.50%	**$ 27,047**	**$ 62,408**	**$ 3,720**	**$ 93,176**	$ 84,739	**-$ 8,437**
1955	Communications Equipment	$ 4,593,288	$ 4,444,612	$ 148,676	$ 42,040,663	$ 4,143,448	$ 37,897,215	$ 1,711,630	2.94	34.04%	13.09	7.64%	**$ 50,608**	**$ 2,895,700**	**$ 65,392**	**$ 3,011,701**	$ 3,827,071	**$ 815,371**
1960	Miscellaneous Equipment	$ 267,071	$ 127,233	$ 139,837	$ 8,699	$ -	$ 8,699	$ -	7.23	13.82%	10.00	10.00%	**$ 19,331**	**$ 870**	**$ -**	**$ 20,201**	$ 34,673	**$ 14,472**
1970	Load Management Controls Customer Premises	$ 3,022,834	$ 3,022,834	$ -	$ -	$ -	$ -	$ -	2.85	35.12%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1975	Load Management Controls Utility Premises	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
1980	System Supervisor Equipment	$ 19,174,795	$ 2,694,612	$ 16,480,184	$ 45,395,344	$ 70,327	$ 45,325,017	$ 9,907,190	11.09	9.02%	14.98	6.67%	**$ 1,486,096**	**$ 3,025,098**	**$ 330,615**	**$ 4,841,809**	$ 4,128,590	**-$ 713,220**
1985	Miscellaneous Fixed Assets	$ -	$ -	$ -	$ -	$ -	$ -	$ -	-	0.00%	-	0.00%	**$ -**	**$ -**	**$ -**	**$ -**	$ -	**$ -**
2440	Contributions & Grants (Formally known as Account 1995)	$ -	$ -	$ -	-$ 257,367,852	-$ 6,958,091	-$ 250,409,761	-$ 75,354,275	-	0.00%	34.81	2.87%	**$ -**	**-$ 7,193,835**	**-$ 1,082,398**	**-$ 8,276,233**	-$ 8,995,336	**-$ 719,103**
1609	Capital Contributions Paid	$ 19,104,312	$ -	$ 19,104,312	$ 172,669,703	$ -	$ 172,669,703	$ 46,229,405	21.68	4.61%	24.98	4.00%	**$ 881,195**	**$ 6,912,697**	**$ 925,379**	**$ 8,719,271**	$ 8,780,891	**$ 61,620**
2005	Property Under Capital Leases	$ 7,191,090	$ -	$ 7,191,090	$ 10,979,744	$ 10,979,744	$ -	$ -	80.42	1.24%	4.31	23.20%	**$ 89,423**	**$ -**	**$ -**	**$ 89,423**	$ 89,423	**-$ 0**
	Sub-Total	**$ 2,366,938,267**	**$ 144,772,334**	**$ 2,222,165,934**	**$ 3,200,265,413**	**$ 77,577,941**	**$ 3,122,687,472**	**$ 493,306,595**					**$ 107,359,046**	**$ 130,325,843**	**$ 11,669,234**	**$ 249,354,123**	**$ 245,788,261**	**-$ 3,565,862**
	Less Socialized Renewable Energy Generation Investments ***(input as negative)***	$ -		$ -	-$ 8,138,769		-$ 8,138,769	-$ 263,784		0.00%	10.00	10.00%	**$ -**	**-$ 813,877**	**-$ 13,189**	**-$ 827,066**	-$ 570,353	**$ 256,713**
	Less Other Non Rate-Regulated Utility Assets ***(input as negative)***	$ -		$ -	-$ 12,762,660		-$ 12,762,660	-$ 3,195,791		0.00%	15.00	6.67%	**$ -**	**-$ 850,844**	**-$ 106,526**	**-$ 957,370**	-$ 587,711	**$ 369,659**
	Total	**$ 2,366,938,267**	**$ 144,772,334**	**$ 2,222,165,934**	**$ 3,179,363,984**	**$ 77,577,941**	**$ 3,101,786,043**	**$ 489,847,020**					**$ 107,359,046**	**$ 128,661,122**	**$ 11,549,519**	**$ 247,569,686**	**$ 244,630,196**	**-$ 2,939,490**

General: Applicants are to complete this appendix to show the reasonability of the depreciation expense that is included in rate base via. Accumulated depreciation and the revenue requirement.
Applicants must provide a breakdown of depreciation and amortization expense in the above format for all relevant accounts. Balances presented in the table should exclude asset retirement obligations (AROs) and the related depreciation and accretion expense. These should be disclosed separately consistent with the Notes of historical Audited Financial Statements.

Notes:

1 This is the net book value of assets that existed as at the date of the utility's change in depreciation policies (i.e. as at Jan. 1, 2012 or Jan. 1, 2013). These assets are to be depreciated at the average remaining service life. This amount will not change in years subsequent to the date of the utility's change in depreciation policies. This column is expected to be used until the assets that existed as at the date of the utility's change in depreciation policies are fully depreciated.

2 This is the opening gross book value of assets that have been acquired after the date of the utilities change in depreciation policies (i.e. additions starting in 2012/2013 for those who changed policies Jan. 1, 2012/2013). These assets are to be depreciated at the revised service life. The amount is expected to be equal to the gross book value of the prior year plus the prior year's additions.
A recalculation should be performed to determine the average remaining life of opening balance of assets (i.e. excluding current year's additions) under the change in policies under CGAAP. For example, Asset A had a useful life of 20 years under CGAAP without the change in policies. On January 1 of the year of policy changes, Asset A was 3 years depreciated. As a result, Asset A would have a remaining service life of 17 years (20 years less 3 years) as at January 1 of the year of policy changes. Due to making the change in policies under CGAAP, management re-assessed the asset useful lives and concluded that the revised useful life of Asset A is now 30 years. Therefore, the average remaining useful life of the opening balance of Asset A is determined to be 27 years (30 years less 3 years) under the revised CGAAP as at January 1 of the year of policy changes.

3

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7 This should include assets in column a (excel column C) that become fully depreciated since the date of the policy change. The amount input in b (excel column D) should equal the net book value of the asset as at the date of depreciation policy change

8 This should include assets in column d (excel column f) that have become fully depreciated. The amount input in e (excel column G) should equal the gross book value of the asset

OEB Appendix 2-BB
Service Life Comparison
Table F-1 from Kinetrics Report[1]

		Asset Details			Useful Life			USoA Account Number	USoA Account Description	Current		Proposed		Outside Range of Min, Max TUL?	
Parent*	#	Category| Component | Type			MIN UL	TUL	MAX UL			Years	Rate	Years	Rate	Below Min TUL	Above Max TUL
OH	1	Fully Dressed Wood Poles	Overall		35	45	75	1830	Poles, Towers and Fixtures	40	3%	40	3%	No	No
			Cross Arm	Wood	20	40	55								
				Steel	30	70	95								
	2	Fully Dressed Concrete Poles	Overall		50	60	80	1830	Poles, Towers and Fixtures (Streetlighting Assembly)	40	3%	40	3%	Yes	No
								1830	Poles, Towers and Fixtures	50	2%	50	2%	No	No
			Cross Arm	Wood	20	40	55								
				Steel	30	70	95	1830	Poles, Towers and Fixtures	50	2%	50	2%	No	No
	3	Fully Dressed Steel Poles	Overall		60	60	80								
			Cross Arm	Wood	20	40	55								
				Steel	30	70	95								
	4	OH Line Switch			30	45	55	1835	Overhead Conductors and Devices	30	3%	30	3%	No	No
	5	OH Line Switch Motor			15	25	25								
	6	OH Line Switch RTU			15	20	20								
	7	OH Integral Switches			35	45	60	1835	Overhead Conductors and Devices	45	2%	45	2%	No	No
	8	OH Conductors			50	60	75	1835	Overhead Conductors and Devices (Streetlighting Assembly)	40	3%	40	3%	Yes	No
								1835	Overhead Conductors and Devices	50	2%	50	2%	No	No
								1855	Services (Overhead & Underground)	50	2%	50	2%	No	No
	9	OH Transformers & Voltage Regulators			30	40	60	1850	Line Transformers	30	3%	30	3%	No	No
	10	OH Shunt Capacitor Banks			25	30	40								
	11	Reclosers			25	40	55								
TS & MS	12	Power Transformers	Overall		30	45	60	1815	Transformer Station Equipment - Normally Primary Above 50 kV	32	3%	32	3%	No	No
								1820	Distribution Station Equipment - Normally Primary Below 50 kV	32	3%	32	3%	No	No
			Bushing		10	20	30								
			Tap Changer		20	30	60								
	13	Station Service Transformer			30	45	55	1815	Transformer Station Equipment - Normally Primary Above 50 kV	32	3%	32	3%	No	No
								1820	Distribution Station Equipment - Normally Primary Below 50 kV	32	3%	32	3%	No	No
	14	Station Grounding Transformer			30	40	40	1820	Distribution Station Equipment - Normally Primary Below 50 kV	25	4%	25	4%	Yes	No
								1820	Distribution Station Equipment - Normally Primary Below 50 kV	30	3%	30	3%	No	No
	15	Station DC System	Overall		10	20	30								
			Battery Bank		10	15	15	1820	Distribution Station Equipment - Normally Primary Below 50 kV	10	10%	10	10%	No	No
			Charger		20	20	30	1820	Distribution Station Equipment - Normally Primary Below 50 kV	20	5%	20	5%	No	No
	16	Station Metal Clad Switchgear	Overall		30	40	60	1815	Transformer Station Equipment - Normally Primary Above 50 kV	50	2%	50	2%	No	No
								1820	Distribution Station Equipment - Normally Primary Below 50 kV	40	3%	40	3%	No	No
			Removable Breaker		25	40	60								
	17	Station Independent Breakers			35	45	65	1820	Distribution Station Equipment - Normally Primary Below 50 kV	30	3%	30	3%	Yes	No
	18	Station Switch			30	50	60	1815	Transformer Station Equipment - Normally Primary Above 50 kV	30	3%	30	3%	No	No
								1820	Distribution Station Equipment - Normally Primary Below 50 kV	30	3%	30	3%	No	No
	19	Electromechanical Relays			25	35	50								
	20	Solid State Relays			10	30	45	1820	Distribution Station Equipment - Normally Primary Below 50 kV	10	10%	10	10%	No	No
	21	Digital & Numeric Relays			15	20	20								
	22	Rigid Busbars			30	55	60	1815	Transformer Station Equipment - Normally Primary Above 50 kV	35	3%	35	3%	No	No
	23	Steel Structure			35	50	90	1815	Transformer Station Equipment - Normally Primary Above 50 kV	35	3%	35	3%	No	No
								1820	Distribution Station Equipment - Normally Primary Below 50 kV	35	3%	35	3%	No	No
UG	24	Primary Paper Insulated Lead Covered (PILC) Cables			60	65	75	1845	Underground Conductors and Devices	60	2%	60	2%	No	No
	25	Primary Ethylene-Propylene Rubber (EPR) Cables			20	25	25								
	26	Primary Non-Tree Retardant (TR) Cross Linked Polyethylene (XLPE) Cables Direct Buried			20	25	30								
	27	Primary Non-TR XLPE Cables in Duct			20	25	30								
	28	Primary TR XLPE Cables Direct Buried			25	30	35	1845	Underground Conductors and Devices	20	5%	20	5%	Yes	No
	29	Primary TR XLPE Cables in Duct			35	40	55	1845	Underground Conductors and Devices	40	3%	40	3%	No	No
	30	Secondary PILC Cables			70	75	80								
	31	Secondary Cables Direct Buried			25	35	40	1845	Underground Conductors and Devices	20	5%	20	5%	Yes	No
								1855	Services (Overhead & Underground)	20	5%	20	5%	Yes	No
	32	Secondary Cables in Duct			35	40	60	1845	Underground Conductors and Devices	40	3%	40	3%	No	No
								1855	Services (Overhead & Underground)	40	3%	40	3%	No	No
	33	Network Tranformers	Overall		20	35	50	1850	Line Transformers	20	5%	20	5%	No	No
			Protector		20	35	40	1850	Line Transformers	20	5%	20	5%	No	No
	34	Pad-Mounted Transformers			25	40	45	1850	Line Transformers	30	3%	30	3%	No	No
	35	Submersible/Vault Transformers			25	35	45	1850	Line Transformers	30	3%	30	3%	No	No
	36	UG Foundation			35	55	70	1840	Underground Conduit	50	2%	50	2%	No	No
	37	UG Vaults	Overall		40	60	80	1840	Underground Conduit	40	3%	40	3%	No	No
			Roof		20	30	45	1840	Underground Conduit	20	5%	20	5%	No	No
	38	UG Vault Switches			20	35	50	1845	Underground Conductors and Devices	30	3%	30	3%	No	No
	39	Pad-Mounted Switchgear			20	30	45	1845	Underground Conductors and Devices	20	5%	20	5%	No	No
	40	Ducts			30	50	85	1840	Underground Conduit	30	3%	30	3%	No	No
	41	Concrete Encased Duct Banks			35	55	80								
	42	Cable Chambers			50	60	80	1840	Underground Conduit	50	2%	50	2%	No	No
								1840	Underground Conduit (Cable Chamber Roof)	20	5%	20	5%	Yes	No
S	43	Remote SCADA			15	20	30	1835	Overhead Conductors & Devices	30	3%	30	3%	No	No
								1980	System Supervisory Equipment	15	7%	15	7%	No	No
								1980	System Supervisory Equipment	30	3%	30	3%	No	No

OEB Appendix 2-BB
Service Life Comparison

Table F-2 from Kinetrics Report[1]

#	Asset Details: Category	Asset Details: Component | Type	Useful Life Range		USoA Account Number	USoA Account Description	Current: Years	Current: Rate	Proposed: Years	Proposed: Rate	Outside Range of Min, Max TUL? Below Min Range	Outside Range of Min, Max TUL? Above Max Range
1	Office Equipment		5	15	1915	Office Furniture and Equipment	10	10%	10	10%	No	No
2	Vehicles	Trucks & Buckets	5	15	1930	Transportation Equipment	8	13%	8	13%	No	No
		Trailers	5	20	1930	Transportation Equipment	5	20%	5	20%	No	No
		Vans	5	10								
3	Administrative Buildings		50	75	1908	Buildings and Fixtures	20	5%	20	5%	Yes	No
					1908	Buildings and Fixtures	30	3%	30	3%	Yes	No
					1908	Buildings and Fixtures	50	2%	50	2%	No	No
					1908	Buildings and Fixtures	75	1%	75	1%	No	No
4	Leasehold Improvements		Lease dependent		1910	Leasehold Improvements	5	20%	5	20%	Yes	Yes
5	Station Buildings	Station Buildings	50	75	1808	Buildings and Fixtures	20	5%	20	5%	Yes	No
					1808	Buildings and Fixtures	30	3%	30	3%	Yes	No
					1808	Buildings and Fixtures	36	3%	36	3%	Yes	No
					1808	Buildings and Fixtures	75	1%	75	1%	No	No
		Parking	25	30	1808	Buildings and Fixtures	30	3%	30	3%	No	No
		Fence	25	60	1808	Buildings and Fixtures	30	3%	30	3%	No	No
		Roof	20	30	1808	Buildings and Fixtures	20	5%	20	5%	No	No
6	Computer Equipment	Hardware	3	5	1920	Computer Equipment - Hardware	4	25%	4	25%	No	No
					1920	Computer Equipment - Hardware	5	20%	5	20%	No	No
					1920	Computer Equipment - Hardware	6	17%	6	17%	No	Yes
		Software	2	5	1611	Computer Software	4	25%	4	25%	No	No
					1611	Computer Software	5	20%	5	20%	No	No
					1611	Computer Software	10	10%	10	10%	No	Yes
7	Equipment	Power Operated	5	10								
		Stores	5	10	1935	Stores Equipment	10	10%	10	10%	No	No
		Tools, Shop, Garage Equipment	5	10	1940	Tools, Shop and Garage Equipment	6	17%	6	17%	No	No
					1940	Tools, Shop and Garage Equipment	10	10%	10	10%	No	No
					1950	Service Equipment	8	13%	8	13%	No	No
					1960	Miscellaneous Equipment	10	10%	10	10%	No	No
					1930	Transportation Equipment	8	13%	8	13%	No	No
		Measurement & Testing Equipment	5	10	1945	Measurement and Testing Equipment	10	10%	10	10%	No	No
					1970	Load Management Controls - Customer Premises	10	10%	10	10%	No	No
					1975	Load Management Controls - Utility Premises	10	10%	10	10%	No	No
8	Communication	Towers	60	70								
		Wireless	2	10	1955	Communication Equipment	5	20%	5	20%	No	No
					1955	Communication Equipment	10	10%	10	10%	No	No
9	Residential Energy Meters		25	35	1860	Meters	25	4%	25	4%	No	No
10	Industrial/Commercial Energy Meters		25	35	1860	Meters	25	4%	25	4%	No	No
11	Wholesale Energy Meters		15	30	1860	Meters	25	4%	25	4%	No	No
12	Current & Potential Transformer (CT & PT)		35	50	1860	Meters	40	3%	40	3%	No	No
13	Smart Meters		5	15	1860	Meters (Smart Meters)	15	7%	15	7%	No	No
14	Repeaters - Smart Metering		10	15								
15	Data Collectors - Smart Metering		15	20								

Additional Notes

The useful life of Toronto Hydro handwells is twenty years. The streetlighting handwells is fourty years
The useful life of the IT related data centre is ten years.

*** TS & MS = Transformer and Municipal Stations UG = Underground Systems S = Monitoring and Control Systems**

Note 1: Tables F-1 and F-2 above are to be used as a reference in order to complete columns J, K, L and N.
See pages 17-19 of Kinetrics Report

DERECOGNITION OF ASSETS

1. BACKGROUND

Upon implementation of Modified International Financial Reporting Standards ("MIFRS"), Article 410 of the Ontario Energy Board's ("OEB") Accounting Procedures Handbook for Electricity Distributors requires property, plant and equipment ("PP&E") and intangible assets to be derecognized upon disposal or when their use is no longer expected to offer future economic benefits. The gain or loss arising from the derecognition of PP&E and intangible assets is calculated as the difference between the net disposal proceeds (if any) and the carrying amount of the item. The gain or loss arising from derecognition of an item is included in the utility's profit or loss during the period in which the item is derecognized.

2. DERECOGNTION

Table 1 below summarizes Toronto Hydro's 2015 to 2017 historical and 2018 to 2020 forecasted derecognition. The forecast is informed by the utility's capital expenditure proposals as outlined in its Distribution System Plan (Exhibit 2B, Section E), and calculated on the basis of the net book values associated with assets that the utility expects to remove from service as part of its planned capital program.

Table 1: Derecognition 2015 to 2020 ($ Millions)

	2015 Actual	2016 Actual	2017 Actual	2018 Bridge	2019 Bridge	2020 Forecast
Derecognition	24.1	27.0	24.5	20.8	20.1	25.8

As discussed in its last rebasing application (EB-2014-0116) and as experienced in the historical periods, Toronto Hydro expects significant and ongoing volatility in

derecognition over the 2020-2024 period – year-over-year and plan-to-actual – due to the dynamic nature of its capital program and operating environment (see Table 2). Toronto Hydro's distribution system is comprised of assets which have a broad range of asset ages. Volatility in forecasted derecognition results from variations in the actual assets removed from service as compared to plan which may be caused by operational constraints and other factors as field work is planned and executed.

As a result of this volatility, Toronto Hydro is requesting a continuation of the derecognition variance account which tracks the annual differences between actual and forecasted derecognition (see Exhibit 9, Tab 1, Schedule 1).

3. DERECOGNITION VOLATILITY

Table 2: Derecognition Variance 2015 to 2019 ($ Millions)

	2015 Actual	2016 Actual	2017 Actual	2018 Bridge	2019 Bridge
OEB-Approved	33.9	26.6	28.0	29.4	32.6
Actual/Forecast[1]	24.1	27.0	24.5	20.8	20.1
Variance	(9.8)	0.4	(3.5)	(8.6)	(12.5)

The variances from OEB-approved derecognition amounts result from differences in planned versus actual assets removed from service, as described above.

Furthermore, the OEB-approved amounts in Table 2 are the same as forecasted in the 2015-2019 CIR application. Following the OEB's decision to Toronto Hydro's last rebasing application, changes to derecognition forecasts were not made as a derecognition variance account was approved (see Exhibit 9, Tab 1, Schedule 1).

[1] See Exhibit 4B, Tab 1, Schedule 1, Appendix A for additional information.

CORPORATE TAXES (PILS)

1. INTRODUCTION

The Revenue Requirement filed at Exhibit 6, Tab 1, Schedule 1 of this application reflects amounts for Payments in Lieu of Taxes ("PILs") of $34.7 million (excluding investment tax credits of $1.9 million reallocated to OM&A), for the 2020 Test Year. The 2020 PILs tax models are filed at Exhibit 4B, Tab 2, Schedule 2.

Toronto Hydro used the OEB's PILs model for 2019 filers to prepare the 2020 PILs tax models. Other than the changes described below, no other changes to the OEB's PILs tax models have been made:

- All Tabs: The date in the header changed from "…2019 Filers" to "…2020 Filers".
- Tab "S. Summary":
    - Lines listed below have been added and linked to Tab "T0 PILs, Tax Provision" accordingly:
        - "Test Year – Grossed-up PILs before tax credits reclass to OM&A", and
        - "Test Year – Tax credits reclass to OM&A".
    - Description for "Test Year – Grossed-up PILs" changed to "Test Year – Grossed-up PILS after tax credits reclass to OM&A".
- Tab "B. Tax Rates & Exemptions": tax rates are updated for Toronto Hydro effective January 1, 2015 to January 1, 2020.
- Tabs "B0 PILs, Tax Provision Bridge" and "T0 PILs, Tax Provision" for bridge and test years: added adjustment for tax credits included in OM&A. The following lines have been added:

- "Corporate PILs/Income Tax Provision Gross Up" (only for Tab "B0 PILs, Tax Provision Bridge")
- "Income Tax (grossed up) before tax credits reclass to OM&A"
- "Tax credits reclass to OM&A", and
- "Income Tax (grossed-up) after tax credits reclass to OM&A" (only for Tab "B0 PILs, Tax Provision Bridge").
- Description for "Income Tax (grossed-up)" changed to "Income Tax (grossed-up) after tax credits reclass to OM&A (only for Tab "T0 PILs, Tax Provision")
- Formula referencing is updated accordingly.

2. PRUDENT MANAGEMENT OF PILS/TAXES

The amount of PILs paid by Toronto Hydro in any given year is correlated with net income calculated for tax purposes. Toronto Hydro manages its tax costs diligently in an effort to keep the effective rate of tax as low as possible. Where appropriate, Toronto Hydro takes advantage of available tax deductions and tax credits, such as research and development tax credits to minimize its tax burden.

3. METHODOLOGY

The methodology for calculating PILs is consistent with the principles set out in Chapter 2 of the OEB's Filing Requirements for Electricity Distribution Rate Applications (July 12, 2018), and reflects applicable legislative and regulatory changes, such as changes to corporate tax rates and capital cost allowance rates. Toronto Hydro confirms that non-recoverable expenses and expenses disallowed for regulatory purposes have been excluded from the regulatory tax calculation.

4. DISCLOSURE OF PILS TAX ADMINISTRATION AND TAX RULINGS

Toronto Hydro has not received any specific tax rulings that are inconsistent with Toronto Hydro's previously filed and approved tax model.

5. TAX STATUS

Toronto Hydro has not changed its tax status.

6. TAX REASSESSMENTS

The Ministry of Finance has recently completed its review of Toronto Hydro's 2013 PILs return. The PILs amount computed reflects methodologies approved by the Ministry of Finance through its audits.

7. TAX TREATMENT OF DIVIDENDS PAID IN PRIOR YEARS

Dividends paid in the historical years were treated as payments out of tax paid retained earnings and therefore were not treated as deductible for tax purposes.

8. LOSS CARRY-FORWARDS

Toronto Hydro does not have any non-capital or capital loss carry-forwards as of the end of December 2017, and does not expect to have such loss carry-forwards as of the end of December 2024.

9. CAPITAL COST ALLOWANCE ("CCA")

Toronto Hydro is filing this application on a forward test year basis and therefore, CCA is computed for 2020 based on projections of the change in capital assets from the 2016 historical year. A separate schedule is prepared to compute the projected CCA for 2019 to derive the projected undepreciated capital cost balances at January 1, 2020 (Exhibit

4B, Tab 2, Schedule 2). Maximum CCA is therefore claimed in the 2020 test year. Any projected additions are subject to the half-year rule in the year of acquisition.

10. INTEREST DEDUCTION

Actual interest expense is lower than the deemed interest expense calculated based on the 2020 model, as filed at Exhibit 4B, Tab 2, Schedule 2. Therefore, the difference between actual and deemed interest expense has not been deducted in calculating taxable income in the tax models for that year.

11. CAPITALIZED INTEREST

Interest is not capitalized to construction work in progress ("CWIP") for tax purposes. However, interest is capitalized for accounting purposes in the 2020 projection.

12. NON-DISTRIBUTION ELIMINATION

Toronto Hydro has included only income from the rate-regulated business in this application.

13. TAX CREDITS

Toronto Hydro expects that the level of expenditures qualifying for Scientific Research and Experimental Development ("SRED") in 2020 will be similar to expenditures in 2016. Federal investment tax credits arising from expenditures on qualifying SRED projects carried on by Toronto Hydro in 2011 decreased from $2.6 million to $1.5 million in 2016. This is a result of the 2012 Federal Budget (Bill C-45) which reduced the SRED investment tax credit rate from 20 percent to 15 percent for taxation years ending after 2013. Reductions in the overhead proxy rate and eligible expenditures to contractors

were also implemented as part of this Bill. Toronto Hydro has used the latest filed historical SRED credit in 2016 as the basis for deriving the 2020 credit ($1.5 million). Toronto Hydro has also included the Federal Apprenticeship Job Creation Tax Credit, the Ontario Apprenticeship Training Tax Credit and the Ontario Co-Operative Education Tax Credit in its PILs-related revenue requirement. A projected tax credit of $1.3 million, based on the average benefit of 2014 through 2016 claims, has been included in the 2020 tax models.

14. CAPITAL LEASES

Appropriate adjustments have been made in determining taxable income in the 2020 tax model with respect to leases capitalized for accounting purposes.

15. INTEGRITY CHECKS

The following integrity checks have been completed in respect of the PILs model:

- Depreciation and amortization added back agrees with the numbers disclosed in the rate base section of the application;
- Capital additions and deductions agree with the rate base section for historical, bridge and test years;
- Schedule 8 of the most recent tax return filed with the application has a closing December 31 historic year undepreciated capital cost ("UCC") that agrees with the opening bridge year UCC at January 1. A reconciliation has been provided to remove the non-distribution amounts in Exhibit 4B, Tab 2, Schedule 2;
- The CCA deductions in the application's PILs tax model for historical, bridge and test years agree with the numbers in Schedule 8;
- Accounting other post-employment benefits and pension amounts added back on Schedule 1;

- Reconciliation of accounting income to net income for tax purposes agrees with the OM&A analysis for compensation and is reasonable when compared with the notes to the audited financial statements and the actuarial valuations; and
- The income tax rate used to calculate the tax expense is consistent with the current legislated rate.

16. TAX PAYABLE FILINGS

Details of actual taxes paid by Toronto Hydro from 2014 to 2016, as well as the forecasted taxes to be paid for 2017 and 2018, are outlined in the table below. Explanations of the variances for the forecast years are also provided. The tax return copy for the historical year 2016 is provided in Exhibit 4B, Tab 2, Schedule 3.[1]

Table 1: Summary of PILs by Year ($ Millions)

	2014 Actual	2015 Actual	2016 Actual	2017 Forecast	2018 Forecast	2019 Bridge	2020 Test
Income Taxes	10.5	3.2	18.8	29.4	30.8	20.4	34.7

The decrease/increase in PILs from year to year is mainly due to the change in net income before tax and the differences between tax and accounting treatments of various costs. These differences primarily stem from the variance between capital cost allowance and accounting depreciation, other post-employment benefit adjustments, investment tax credits and other costs.

[1] Toronto Hydro has provided its tax return for 2016, the latest completed tax return available at the time the application was being prepared.

17. PROPERTY TAX

Property taxes are discussed in the Facilities Management program (Exhibit 4A, Tab 2, Schedule 12).

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

Version 1.10

Utility Name	Toronto Hydro-Electric System Limited
Assigned EB Number	
Name and Title	
Phone Number	
Email Address	
Date	
Last COS Re-based Year	**2015**

Note: Drop-down lists are shaded blue; Input cells are shaded green.

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While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

No inputs required on this worksheet.

Inputs on Service Revenue Requirement Worksheet

The Service Revenue Requirement is in the 'Revenue Requirement Workform' - Tab 3.

Item	Working Paper Reference		
Adjustments required to arrive at taxable income	as below	**-61,393,745**	
Test Year - Payments in Lieu of Taxes (PILs)	T0	**24,143,968**	
Test Year - Grossed-up PILs before tax credits reclass to OM&A	T0	**32,848,936**	
Test Year - Tax credits reclass to OM&A	T0	**1,875,113**	
Test Year - Grossed-up PILs after tax credits reclass to OM&A	T0	**34,724,049**	
Effective Federal Tax Rate	T0	**15.0%**	
Effective Ontario Tax Rate	T0	**11.5%**	
Calculation of Adjustments required to arrive at Taxable Income			
Regulatory Income (before income taxes)	T1	162,827,585	
Taxable Income	T1	101,433,840	
Difference	calculated	-61,393,745	as above

Income Tax/PILs Workform for 2020 Filers

Integrity Checks

The applicant must ensure the following integrity checks have been completed and confirm this is the case in the table below, or provide an explanation if this is not the case:

	Item	Utility Confirmation (Y/N)	Notes
1	The depreciation and amortization added back in the application's PILs model agree with the numbers disclosed in the rate base section of the application	Y	
2	The capital additions and deductions in the UCC/ CCA Schedule 8 agree with the rate base section for historical, bridge and test years	Y	
3	Schedule 8 of the most recent federal T2 tax return filed with the application has a closing December 31 historical year UCC that agrees with the opening (January 1) bridge year UCC. If the amounts do not agree, then the applicant must provide a reconciliation with explanations. Distributors must segregate non- distribution tax amounts on Schedule 8.	Y	
4	The CCA deductions in the application's PILs tax model for historical, bridge and test years (as applicable) agree with the numbers in the UCC schedules for the same years filed in the application	Y	
5	Loss carry-forwards, if any, from the tax returns (Schedule 4) agree with those disclosed in the application	N	Toronto Hydro does not have any non-capital or capital loss carry-forwards as of the end of December 2017, and does not expect to have such loss carry-forwards as of the end of December 2024 (Exhibit 4B, Tab 2, Schedule 1).
6	A discussion is included in the application as to when the loss carry-forwards, if any, will be fully utilized	N	Toronto Hydro does not have any non-capital or capital loss carry-forwards as of the end of December 2017, and does not expect to have such loss carry-forwards as of the end of December 2024 (Exhibit 4B, Tab 2, Schedule 1).
7	CCA is maximized even if there are tax loss carry-forwards	N	Toronto Hydro does not have any non-capital or capital loss carry-forwards as of the end of December 2017, and does not expect to have such loss carry-forwards as of the end of December 2024 (Exhibit 4B, Tab 2, Schedule 1).
8	Accounting OPEB and pension amounts added back on Schedule 1 to reconcile accounting income to net income for tax purposes, must agree with the OM&A analysis for compensation. The amounts deducted must be reasonable when compared with the notes in the audited financial statements, FSCO reports, and the actuarial valuations.	Y	
9	The income tax rate used to calculate the tax expense must be consistent with the utility's actual tax facts and evidence filed in the application.	Y	

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

			Test Year	Bridge Year	
Rate Base		S	**$ 4,615,294,360**	**$ 4,481,989,147**	
Return on Ratebase					
Deemed ShortTerm Debt %	4.00%	T	$ 184,611,774	*W = S * T*	
Deemed Long Term Debt %	56.00%	U	$ 2,584,564,841	*X = S * U*	
Deemed Equity %	40.00%	V	$ 1,846,117,744	*Y = S * V*	
Short Term Interest Rate	2.61%	Z	$ 4,818,367	*AC = W * Z*	
Long Term Interest	3.71%	AA	$ 95,979,661	*AD = X * AA*	
Return on Equity (Regulatory Income)	8.82%	AB	**$ 162,827,585**	*AE = Y * AB*	T1
Return on Rate Base			**$ 263,625,614**	*AF = AC + AD + AE*	

Questions that must be answered

	Historical Year	Bridge Year	Test Year
1. Does the applicant have any Investment Tax Credits (ITC)?	Yes	Yes	Yes
2. Does the applicant have any SRED Expenditures?	Yes	Yes	Yes
3. Does the applicant have any Capital Gains or Losses for tax purposes?	Yes	No	No
4. Does the applicant have any Capital Leases?	Yes	Yes	Yes
5. Does the applicant have any Loss Carry-Forwards (non-capital or net capital)?	No	No	No
6. Since 1999, has the applicant acquired another regulated applicant's assets?	No	No	No
7. Did the applicant pay dividends? *If Yes, please describe what was the tax treatment in the manager's summary.*	Yes	No	No
8. Did the applicant elect to capitalize interest incurred on CWIP for tax purposes?	No	No	No

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

Tax Rates Federal & Provincial As of June 29, 2018	Effective January 1, 2015	Effective January 1, 2016	Effective January 1, 2017	Effective January 1, 2018	Effective January 1, 2019	Effective January 1, 2020
Federal income tax						
General corporate rate	38.00%	38.00%	38.00%	38.00%	38.00%	38.00%
Federal tax abatement	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%	-10.00%
Adjusted federal rate	28.00%	28.00%	28.00%	28.00%	28.00%	28.00%
Rate reduction	-13.00%	-13.00%	-13.00%	-13.00%	-13.00%	-13.00%
Federal Income Tax	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%
Ontario income tax	11.50%	11.50%	11.50%	11.50%	11.50%	11.50%
Combined federal and Ontario	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%
Federal & Ontario Small Business						
Federal small business threshold	500,000	500,000	500,000	500,000	500,000	500,000
Ontario Small Business Threshold	500,000	500,000	500,000	500,000	500,000	500,000
Federal small business rate	11.00%	11.00%	10.50%	10.00%	9.00%	9.00%
Ontario small business rate	4.50%	4.50%	4.50%	3.50%	3.50%	3.50%

Notes

1. The Ontario Energy Board's proxy for taxable capital is rate base.
2. Regarding the small business deduction, if applicable,
   a. If taxable capital exceeds $15 million, the small business rate will not be applicable.
   b. If taxable capital is below $10 million, the small business rate would be applicable.
   c. If taxable capital is between $10 million and $15 million, the appropriate small business rate will be calculated.

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

PILs Tax Provision - Historical Year

INFORMATION NOT AVAILABLE. THIS SCHEDULE WILL BE UPDATED ONCE 2018 TAX RETURN IS FILED IN JUNE 2019.

Note: Input the actual information from the tax returns for the historical year.

				Wires Only	
Regulatory Taxable Income			H1	$ -	**A**
Combined Tax Rate and PILs	Ontario Tax Rate (Maximum 11.5%)				**B**
	Federal tax rate (Maximum 15%)				**C**
	Combined tax rate (Maximum 26.5%)			0.00%	**D = B+C**
Total Income Taxes				$ -	**E = A * D**
	Investment Tax Credits				**F**
	Miscellaneous Tax Credits				**G**
Total Tax Credits				$ -	**H = F + G**
Corporate PILs/Income Tax Provision for Historical Year				$ -	**I = E - H**

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

Adjusted Taxable Income - Historical Year

INFORMATION NOT AVAILABLE. THIS SCHEDULE WILL BE UPDATED ONCE 2018 TAX RETURN IS FILED IN JUNE 2019.

	T2S1 line #	Total for Legal Entity	Non-Distribution Eliminations	Historic Wires Only
Income before PILs/Taxes	**(A + 101 + 102)**			0
Additions:				
Interest and penalties on taxes	103			0
Amortization of tangible assets	104			0
Amortization of intangible assets	106			0
Recapture of capital cost allowance from Schedule 8	107			0
Gain on sale of eligible capital property from Schedule 10	108			0
Income or loss for tax purposes- joint ventures or partnerships	109			0
Loss in equity of subsidiaries and affiliates	110			0
Loss on disposal of assets	111			0
Charitable donations	112			0
Taxable Capital Gains	113			0
Political Donations	114			0
Deferred and prepaid expenses	116			0
Scientific research expenditures deducted on financial statements	118			0
Capitalized interest	119			0
Non-deductible club dues and fees	120			0
Non-deductible meals and entertainment expense	121			0
Non-deductible automobile expenses	122			0
Non-deductible life insurance premiums	123			0
Non-deductible company pension plans	124			0
Tax reserves deducted in prior year	125			0
Reserves from financial statements- balance at end of year	126			0
Soft costs on construction and renovation of buildings	127			0
Book loss on joint ventures or partnerships	205			0
Capital items expensed	206			0
Debt issue expense	208			0
Development expenses claimed in current year	212			0
Financing fees deducted in books	216			0
Gain on settlement of debt	220			0
Non-deductible advertising	226			0
Non-deductible interest	227			0
Non-deductible legal and accounting fees	228			0
Recapture of SR&ED expenditures	231			0
Share issue expense	235			0
Write down of capital property	236			0
Amounts received in respect of qualifying environment trust per paragraphs 12(1)(z.1) and 12(1)(z.2)	237			0
Other Additions				
Interest Expensed on Capital Leases	290			0
Realized Income from Deferred Credit Accounts	291			0
Pensions	292			0
Non-deductible penalties	293			0
	294			0
	295			0
ARO Accretion expense				0
Capital Contributions Received (ITA 12(1)(x))				0
Lease Inducements Received (ITA 12(1)(x))				0
Deferred Revenue (ITA 12(1)(a))				0
Prior Year Investment Tax Credits received				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
Total Additions		**0**	**0**	**0**

Adjusted Taxable Income - Historical Year

INFORMATION NOT AVAILABLE. THIS SCHEDULE WILL BE UPDATED ONCE 2018 TAX RETURN IS FILED IN JUNE 2019.

	T2S1 line #	Total for Legal Entity	Non-Distribution Eliminations	Historic Wires Only
Deductions:				
Gain on disposal of assets per financial statements	401			0
Dividends not taxable under section 83	402			0
Capital cost allowance from Schedule 8	403			0
Terminal loss from Schedule 8	404			0
Allowable business investment loss	406			0
Deferred and prepaid expenses	409			0
Scientific research expenses claimed in year	411			0
Tax reserves claimed in current year	413			0
Reserves from financial statements - balance at beginning of year	414			0
Contributions to deferred income plans	416			0
Book income of joint venture or partnership	305			0
Equity in income from subsidiary or affiliates	306			0
Other deductions: (Please explain in detail the nature of the item)				
Interest capitalized for accounting deducted for tax	390			0
Capital Lease Payments	391			0
Non-taxable imputed interest income on deferral and variance accounts	392			0
	393			0
	394			0
ARO Payments - Deductible for Tax when Paid				0
ITA 13(7.4) Election - Capital Contributions Received				0
ITA 13(7.4) Election - Apply Lease Inducement to cost of Leaseholds				0
Deferred Revenue - ITA 20(1)(m) reserve				0
Principal portion of lease payments				0
Lease Inducement Book Amortization credit to income				0
Financing fees for tax ITA 20(1)(e) and (e.1)				0
				0
				0
				0
				0
				0
				0
				0
				0
Total Deductions		**0**	**0**	**0**
Net Income for Tax Purposes		**0**	**0**	**0**
Charitable donations from Schedule 2	311			0
Taxable dividends deductible under section 112 or 113, from Schedule 3 (item 82)	320			0
Non-capital losses of preceding taxation years from Schedule 4	331			0
Net-capital losses of preceding taxation years from Schedule 4 *(Please include explanation and calculation in Manager's summary)*	332			0
Limited partnership losses of preceding taxation years from Schedule 4	335			0
TAXABLE INCOME		**0**	**0**	**0**

H0

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

Schedule 7-1 Loss Carry Forward - Historical

Corporation Loss Continuity and Application

Non-Capital Loss Carry Forward Deduction	Total	Non-Distribution Portion	Utility Balance	
Actual Historical			0	B4

Net Capital Loss Carry Forward Deduction	Total	Non-Distribution Portion	Utility Balance	
Actual Historical			0	B4

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

Schedule 8 - Historical Year

BELOW ARE FORECASTED AMOUNTS . THIS SCHEDULE WILL BE UPDATED ONCE 2018 TAX RETURN IS FILED IN JUNE 2019.

Class	Class Description	UCC End of Year Historical per tax returns	Less: Non-Distribution Portion	UCC Regulated Historical Year	Working Paper Reference
1	Distribution System - post 1987	$ 1,007,780,742		$ 1,007,780,742	B8
1 Enhanced	Non-residential Buildings Reg. 1100(1)(a.1) election			$ -	B8
2	Distribution System - pre 1988	$ 227,301,557		$ 227,301,557	B8
8	General Office/Stores Equip	$ 24,890,022	$ 725,670	$ 24,164,352	B8
10	Computer Hardware/ Vehicles	$ 11,431,301	$ 57,891	$ 11,373,410	B8
10.1	Certain Automobiles			$ -	B8
12	Computer Software	$ 44,366,441	$ 186,199	$ 44,180,242	B8
13 1	Lease # 1	$ 5,242		$ 5,242	B8
13 2	Lease #2			$ -	B8
13 3	Lease # 3			$ -	B8
13 4	Lease # 4			$ -	B8
14	Franchise			$ -	B8
17	New Electrical Generating Equipment Acq'd after Feb 27/00 Other Than Bldgs	$ 28,154,236		$ 28,154,236	B8
42	Fibre Optic Cable	$ 8,918,768		$ 8,918,768	B8
43.1	Certain Energy-Efficient Electrical Generating Equipment	$ -		$ -	B8
43.2	Certain Clean Energy Generation Equipment	$ 679,111	$ 679,111	$ -	B8
45	Computers & Systems Software acq'd post Mar 22/04	$ 4,110		$ 4,110	B8
46	Data Network Infrastructure Equipment (acq'd post Mar 22/04)	$ 9,668,041		$ 9,668,041	B8
47	Distribution System - post February 2005	$ 2,378,863,638	$ 7,989,478	$ 2,370,874,160	B8
50	Data Network Infrastructure Equipment - post Mar 2007	$ 21,560,631	$ 52	$ 21,560,579	B8
52	Computer Hardware and system software	$ -		$ -	B8
95	CWIP	$ 475,576,173	$ 1,558,854	$ 474,017,319	B8
14.1	Eligible Capital Property (acq'd pre Jan 1, 2017)[1]	$ 44,751,921		$ 44,751,921	B8
14.1	Eligible Capital Property (acq'd post Jan 1, 2017)[1]	$ 103,062,740		$ 103,062,740	B8
6	Fence	$ 2,004,778		$ 2,004,778	B8
				$ -	
				$ -	
				$ -	
				$ -	
				$ -	
				$ -	
				$ -	
	SUB-TOTAL - UCC	**$ 4,389,019,452**	**$ 11,197,255**	**$ 4,377,822,197**	

[1] New CCA class 14.1 effective January 1, 2017. The class includes property that was eligible capital property immediately before January 1, 2017. For tax years that end prior to 2027, transitional rules apply to class 14.1 that were acquired before January 1, 2017.

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

Schedule 13 Tax Reserves - Historical

Continuity of Reserves

BELOW ARE FORECASTED AMOUNTS . THIS SCHEDULE WILL BE UPDATED ONCE 2018 TAX RETURN IS FILED IN JUNE 2019.

Description	Historical Balance as per tax returns	Non-Distribution Eliminations	Utility Only	
Capital Gains Reserves ss.40(1)			0	B13
Tax Reserves Not Deducted for accounting purposes				
Reserve for doubtful accounts ss. 20(1)(l)			0	B13
Reserve for goods and services not delivered ss. 20(1)(m)			0	B13
Reserve for unpaid amounts ss. 20(1)(n)			0	B13
Debt & Share Issue Expenses ss. 20(1)(e)			0	B13
Other tax reserves			0	B13
			0	
			0	
			0	
			0	
			0	
Total	**0**	**0**	**0**	
Financial Statement Reserves (not deductible for Tax Purposes)				
General Reserve for Inventory Obsolescence (non-specific)			0	B13
General reserve for bad debts			0	B13
Accrued Employee Future Benefits:			0	B13
- Medical and Life Insurance			0	B13
-Short & Long-term Disability			0	B13
-Accmulated Sick Leave			0	B13
- Termination Cost			0	B13
- Other Post-Employment Benefits	319,159,000	1,497,000	317,662,000	B13
Provision for Environmental Costs			0	B13
Restructuring Costs			0	B13
Accrued Contingent Litigation Costs			0	B13
Accrued Self-Insurance Costs			0	B13
Other Contingent Liabilities			0	B13
Bonuses Accrued and Not Paid Within 180 Days of Year-End ss. 78(4)			0	B13
Unpaid Amounts to Related Person and Not Paid Within 3 Taxation Years ss. 78(1)			0	B13
Other			0	B13
			0	
			0	
Total	**319,159,000**	**1,497,000**	**317,662,000**	

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

PILS Tax Provision - Bridge Year

Wires Only

Regulatory Taxable Income					Reference B1	$ 61,664,933	**A**
	Tax Rate	Small Business Rate (If Applicable)	Taxes Payable	Effective Tax Rate			
Ontario (Max 11.5%)	11.5%	11.5%	$ 7,091,467	11.5%	**B**		
Federal (Max 15%)	15.0%	15.0%	$ 9,249,740	15.0%	**C**		
Combined effective tax rate (Max 26.5%)						26.50%	**D = B + C**
Total Income Taxes						**$ 16,341,207**	**E = A * D**
Investment Tax Credits						$ 1,478,000	**F**
Miscellaneous Tax Credits						$ 1,258,000	**G**
Total Tax Credits						**$ 2,736,000**	**H = F + G**
Corporate PILs/Income Tax Provision for Bridge Year						**$ 13,605,207**	**I = E - H**
Corporate PILs/Income Tax Provision Gross Up [1]					73.50% **J = 1-D**	**$ 4,905,279**	**K = I/J-I**
Income Tax (grossed-up) before tax credits reclass to OM&A						$ 18,510,486	**L = K + I**
Tax credits reclass to OM&A						$ 1,875,113	**M**
Income Tax (grossed-up) after tax credits reclass to OM&A						**$ 20,385,599**	**N = L + M**

Note:

1. This is for the derivation of Bridge year PILs income tax expense and should not be used for Test year revenue requirement calculations.

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

Adjusted Taxable Income - Bridge Year

	T2S1 line #	Working Paper Reference	Total for Regulated Utility
Income before PILs/Taxes	**(A + 101 + 102)**		166,801,708
Additions:			
Interest and penalties on taxes	103		
Amortization of tangible assets	104		247,713,157
Amortization of intangible assets	106		
Recapture of capital cost allowance from Schedule 8	107		
Gain on sale of eligible capital property from Schedule 10	108		
Income or loss for tax purposes- joint ventures or partnerships	109		
Loss in equity of subsidiaries and affiliates	110		
Loss on disposal of assets	111		
Charitable donations	112		
Taxable Capital Gains	113		
Political Donations	114		
Deferred and prepaid expenses	116		
Scientific research expenditures deducted on financial statements	118		
Capitalized interest	119		
Non-deductible club dues and fees	120		334,453
Non-deductible meals and entertainment expense	121		227,915
Non-deductible automobile expenses	122		
Non-deductible life insurance premiums	123		
Non-deductible company pension plans	124		
Tax reserves deducted in prior year	125	B13	0
Reserves from financial statements- balance at end of year	126	B13	323,633,000
Soft costs on construction and renovation of buildings	127		
Book loss on joint ventures or partnerships	205		
Capital items expensed	206		
Debt issue expense	208		
Development expenses claimed in current year	212		
Financing fees deducted in books	216		1,173,682
Gain on settlement of debt	220		
Non-deductible advertising	226		
Non-deductible interest	227		
Non-deductible legal and accounting fees	228		
Recapture of SR&ED expenditures	231		
Share issue expense	235		
Write down of capital property	236		
Amounts received in respect of qualifying environment trust per paragraphs 12(1)(z.1) and 12(1)(z.2)	237		
Other Additions			
Interest Expensed on Capital Leases	290		26,379
Realized Income from Deferred Credit Accounts	291		
Pensions	292		
Non-deductible penalties	293		
	294		
	295		
ARO Accretion expense			
Capital Contributions Received (ITA 12(1)(x))			72,742,087
Lease Inducements Received (ITA 12(1)(x))			
Deferred Revenue (ITA 12(1)(a))			1,100,000
Prior Year Investment Tax Credits received			2,736,000
Total Additions			**649,686,673**

Adjusted Taxable Income - Bridge Year

	T2S1 line #	Working Paper Reference	Total for Regulated Utility
Deductions:			
Gain on disposal of assets per financial statements	401		
Dividends not taxable under section 83	402		
Capital cost allowance from Schedule 8	403	B8	353,929,269
Terminal loss from Schedule 8	404		
Allowable business investment loss	406		
Deferred and prepaid expenses	409		
Scientific research expenses claimed in year	411		
Tax reserves claimed in current year	413	B13	0
Reserves from financial statements - balance at beginning of year	414	B13	317,662,000
Contributions to deferred income plans	416		
Book income of joint venture or partnership	305		
Equity in income from subsidiary or affiliates	306		
Other deductions: (Please explain in detail the nature of the item)			
Interest capitalized for accounting deducted for tax	390		
Capital Lease Payments	391		299,000
Non-taxable imputed interest income on deferral and variance accounts	392		
	393		
	394		
ARO Payments - Deductible for Tax when Paid			74,232
ITA 13(7.4) Election - Capital Contributions Received			72,742,087
ITA 13(7.4) Election - Apply Lease Inducement to cost of Leaseholds			
Deferred Revenue - ITA 20(1)(m) reserve			1,100,000
Principal portion of lease payments			
Lease Inducement Book Amortization credit to income			54,792
Financing fees for tax ITA 20(1)(e) and (e.1)			1,681,277
Land Lease payment capitalized for accounting			89,423
Other Post-Employment Benefits adjustment - change in balance with no Income Statement Impact			173,000
Other Post-Employment Benefits adjustment - current year capitalized portion with no Income Statement Impact			7,018,368
Total Deductions		calculated	**754,823,448**
Net Income for Tax Purposes		calculated	**61,664,933**
Charitable donations from Schedule 2	311		
Taxable dividends deductible under section 112 or 113, from Schedule 3 (item 82)	320		
Non-capital losses of preceding taxation years from Schedule 4	331	B4	0
Net-capital losses of preceding taxation years from Schedule 4 *(Please include explanation and calculation in Manager's summary)*	332	B4	0
Limited partnership losses of preceding taxation years from Schedule 4	335		
TAXABLE INCOME		calculated	**61,664,933**

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

Corporation Loss Continuity and Application

Schedule 4 Loss Carry Forward - Bridge Year

Non-Capital Loss Carry Forward Deduction		Total	
Actual Historical	H4	0	
Amount to be used in Bridge Year	B1	0	
Loss Carry Forward Generated in Bridge Year (if any)	B1	0	
Other Adjustments			
Balance available for use post Bridge Year	calculated	0	T4

Net Capital Loss Carry Forward Deduction		Total	
Actual Historical	H4	0	
Amount to be used in Bridge Year			
Loss Carry Forward Generated in Bridge Year (if any)	B1		
Other Adjustments			
Balance available for use post Bridge Year	calculated	0	T4

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

Schedule 8 CCA - Bridge Year

Class	Class Description	Working Paper Reference	UCC Regulated Historical Year	Additions	Disposals (Negative)	UCC Before 1/2 Yr Adjustment	1/2 Year Rule {1/2 Additions Less Disposals}	Reduced UCC	Rate %	Bridge Year CCA		UCC End of Bridge Year	Working Paper Reference
1	Distribution System - post 1987	H8	$ 1,007,780,742	$ 1,868,245		$ 1,009,648,987	$ 934,123	$ 1,008,714,865	4%	$ 40,348,595		$ 969,300,392	T8
1 Enhanced	Non-residential Buildings Reg. 1100(1)(a.1) election	H8				$ -	$ -	$ -	6%	$ -		$ -	T8
2	Distribution System - pre 1988	H8	$ 227,301,557			$ 227,301,557	$ -	$ 227,301,557	6%	$ 13,638,093		$ 213,663,464	T8
8	General Office/Stores Equip	H8	$ 24,164,352	$ 2,289,594		$ 26,453,946	$ 1,144,797	$ 25,309,149	20%	$ 5,061,830		$ 21,392,116	T8
10	Computer Hardware/ Vehicles	H8	$ 11,373,410	$ 3,200,000		$ 14,573,410	$ 1,600,000	$ 12,973,410	30%	$ 3,892,023		$ 10,681,387	T8
10.1	Certain Automobiles	H8				$ -	$ -	$ -	30%	$ -		$ -	T8
12	Computer Software	H8	$ 44,180,242	$ 24,444,222		$ 68,624,464	$ 12,222,111	$ 56,402,353	100%	$ 56,402,353		$ 12,222,111	T8
13 1	Lease # 1	H8	$ 5,242			$ 5,242	$ -	$ 5,242	SL	$ 5,242		$ -	T8
13 2	Lease #2	H8				$ -	$ -	$ -		$ -		$ -	T8
13 3	Lease # 3	H8				$ -	$ -	$ -		$ -		$ -	T8
13 4	Lease # 4	H8				$ -	$ -	$ -		$ -		$ -	T8
14	Franchise	H8				$ -	$ -	$ -		$ -		$ -	T8
17	New Electrical Generating Equipment Acq'd after Feb 27/00 Other Than Bldgs	H8	$ 28,154,236	$ 300,000		$ 28,454,236	$ 150,000	$ 28,304,236	8%	$ 2,264,339		$ 26,189,897	T8
42	Fibre Optic Cable	H8	$ 8,918,768			$ 8,918,768	$ -	$ 8,918,768	12%	$ 1,070,252		$ 7,848,516	T8
43.1	Certain Energy-Efficient Electrical Generating Equipment	H8	$ -			$ -	$ -	$ -	30%	$ -		$ -	T8
43.2	Certain Clean Energy Generation Equipment	H8	$ -			$ -	$ -	$ -	50%	$ -		$ -	T8
45	Computers & Systems Software acq'd post Mar 22/04	H8	$ 4,110			$ 4,110	$ -	$ 4,110	45%	$ 1,850		$ 2,261	T8
46	Data Network Infrastructure Equipment (acq'd post Mar 22/04)	H8	$ 9,668,041			$ 9,668,041	$ -	$ 9,668,041	30%	$ 2,900,412		$ 6,767,629	T8
47	Distribution System - post February 2005	H8	$ 2,370,874,160	$ 331,429,816		$ 2,702,303,976	$ 165,714,908	$ 2,536,589,068	8%	$ 202,927,125		$ 2,499,376,851	T8
50	Data Network Infrastructure Equipment - post Mar 2007	H8	$ 21,560,579	$ 17,918,410		$ 39,478,989	$ 8,959,205	$ 30,519,784	55%	$ 16,785,881		$ 22,693,108	T8
52	Computer Hardware and system software	H8	$ -			$ -	$ -	$ -	100%	$ -		$ -	T8
95	CWIP	H8	$ 474,017,319			$ 474,017,319	$ -	$ 474,017,319	0%	$ -		$ 474,017,319	T8
14.1	Eligible Capital Property (acq'd pre Jan 1, 2017)[1]	H8	$ 44,751,921			$ 44,751,921	$ -	$ 44,751,921	7%	$ 3,132,634		$ 41,619,287	T8
14.1	Eligible Capital Property (acq'd post Jan 1, 2017)[1]	H8	$ 103,062,740	$ 5,400,989		$ 108,463,729	$ 2,700,495	$ 105,763,235	5%	$ 5,288,162		$ 103,175,567	T8
6	Fence	H8	$ 2,004,778	$ 200,000		$ 2,204,778	$ 100,000	$ 2,104,778	10%	$ 210,478		$ 1,994,300	T8
						$ -	$ -	$ -		$ -		$ -	
						$ -	$ -	$ -		$ -		$ -	
						$ -	$ -	$ -		$ -		$ -	
						$ -	$ -	$ -		$ -		$ -	
						$ -	$ -	$ -		$ -		$ -	
						$ -	$ -	$ -		$ -		$ -	
						$ -	$ -	$ -		$ -		$ -	
	TOTAL		$ 4,377,822,197	$ 387,051,276	$ -	$ 4,764,873,473	$ 193,525,638	$ 4,571,347,835		$ 353,929,269	B1	$ 4,410,944,204	

1. New CCA class 14.1 effective January 1, 2017. The class includes property that was eligible capital property immediately before January 1, 2017. For tax years that end prior to 2027, transitional rules apply to class 14.1 that were acquired before January 1, 2017

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

Schedule 13 Tax Reserves - Bridge Year

Continuity of Reserves

Description	Reference	Historical Utility Only	Eliminate Amounts Not Relevant for Bridge Year	Adjusted Utility Balance		Bridge Year Adjustments: Additions	Bridge Year Adjustments: Disposals	Balance for Bridge Year		Change During the Year	Disallowed Expenses
Capital Gains Reserves ss.40(1)	H13	0		0				0	T13	0	
Tax Reserves Not Deducted for accounting purposes											
Reserve for doubtful accounts ss. 20(1)(l)	H13	0		0				0	T13	0	
Reserve for goods and services not delivered ss. 20(1)(m)	H13	0		0				0	T13	0	
Reserve for unpaid amounts ss. 20(1)(n)	H13	0		0				0	T13	0	
Debt & Share Issue Expenses ss. 20(1)(e)	H13	0		0				0	T13	0	
Other tax reserves	H13	0		0				0	T13	0	
		0		0				0		0	
		0		0				0		0	
Total		**0**	**0**	**0**	B1	**0**	**0**	**0**	B1	**0**	**0**
Financial Statement Reserves (not deductible for Tax Purposes)											
General Reserve for Inventory Obsolescence (non-specific)	H13	0		0				0	T13	0	
General reserve for bad debts	H13	0		0				0	T13	0	
Accrued Employee Future Benefits:	H13	0		0				0	T13	0	
- Medical and Life Insurance	H13	0		0				0	T13	0	
-Short & Long-term Disability	H13	0		0				0	T13	0	
-Accmulated Sick Leave	H13	0		0				0	T13	0	
- Termination Cost	H13	0		0				0	T13	0	
- Other Post-Employment Benefits	H13	317,662,000		317,662,000		5,971,000		323,633,000	T13	5,971,000	
Provision for Environmental Costs	H13	0		0				0	T13	0	
Restructuring Costs	H13	0		0				0	T13	0	
Accrued Contingent Litigation Costs	H13	0		0				0	T13	0	
Accrued Self-Insurance Costs	H13	0		0				0	T13	0	
Other Contingent Liabilities	H13	0		0				0	T13	0	
Bonuses Accrued and Not Paid Within 180 Days of Year-End ss. 78(4)	H13	0		0				0	T13	0	
Unpaid Amounts to Related Person and Not Paid Within 3 Taxation Years ss. 78(1)	H13	0		0				0	T13	0	
Other	H13	0		0				0	T13	0	
		0		0				0		0	
		0		0				0		0	
Total		**317,662,000**	**0**	**317,662,000**	B1	**5,971,000**	**0**	**323,633,000**	B1	**5,971,000**	**0**

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

PILs Tax Provision - Test Year

							Wires Only	
Regulatory Taxable Income						T1	$ 101,433,840	**A**
	Tax Rate	Small Business Rate (If Applicable)	Taxes Payable	Effective Tax Rate				
Ontario (Max 11.5%)	11.5%	11.5%	$ 11,664,892	11.5%	**B**			
Federal (Max 15%)	15.0%	15.0%	$ 15,215,076	15.0%	**C**			
Combined effective tax rate (Max 26.5%)							26.50%	**D = B + C**
Total Income Taxes							**$ 26,879,968**	**E = A * D**
Investment Tax Credits							$ 1,478,000	**F**
Miscellaneous Tax Credits							$ 1,258,000	**G**
Total Tax Credits							**$ 2,736,000**	**H = F + G**
Corporate PILs/Income Tax Provision for Test Year							**$ 24,143,968**	**I = E - H** S. Summary
Corporate PILs/Income Tax Provision Gross Up [1]						73.50% **J = 1-D**	**$ 8,704,968**	**K = I/J-I**
Income Tax (grossed-up) before tax credits reclass to OM&A							$ 32,848,936	**L = K + I** S. Summary
Tax credits reclass to OM&A							$ 1,875,113	**M** S. Summary
Income Tax (grossed-up) after tax credits reclass to OM&A							**$ 34,724,049**	**N = L + M** S. Summary

Note:

1. This is for the derivation of revenue requirement and should not be used for sufficiency/deficiency calculations.

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

Taxable Income - Test Year

		Working Paper Reference	Test Year Taxable Income
Net Income Before Taxes		A.	162,827,585
	T2 S1 line #		
Additions:			
Interest and penalties on taxes	103		
Amortization of tangible assets *2-4 ADJUSTED ACCOUNTING DATA P489*	104		268,664,188
Amortization of intangible assets *2-4 ADJUSTED ACCOUNTING DATA P490*	106		
Recapture of capital cost allowance from Schedule 8	107		
Gain on sale of eligible capital property from Schedule 10	108		
Income or loss for tax purposes- joint ventures or partnerships	109		
Loss in equity of subsidiaries and affiliates	110		
Loss on disposal of assets	111		
Charitable donations	112		
Taxable Capital Gains	113		
Political Donations	114		
Deferred and prepaid expenses	116		
Scientific research expenditures deducted on financial statements	118		
Capitalized interest	119		
Non-deductible club dues and fees	120		334,453
Non-deductible meals and entertainment expense	121		227,915
Non-deductible automobile expenses	122		
Non-deductible life insurance premiums	123		
Non-deductible company pension plans	124		
Tax reserves beginning of year	125	T13	0
Reserves from financial statements- balance at end of year	126	T13	329,895,150
Soft costs on construction and renovation of buildings	127		
Book loss on joint ventures or partnerships	205		
Capital items expensed	206		
Debt issue expense	208		
Development expenses claimed in current year	212		
Financing fees deducted in books	216		1,125,064
Gain on settlement of debt	220		
Non-deductible advertising	226		
Non-deductible interest	227		
Non-deductible legal and accounting fees	228		
Recapture of SR&ED expenditures	231		
Share issue expense	235		
Write down of capital property	236		
Amounts received in respect of qualifying environment trust per paragraphs 12(1)(z.1) and 12(1)(z.2)	237		
Other Additions: (please explain in detail the nature of the item)			
Interest Expensed on Capital Leases	290		20,214
Realized Income from Deferred Credit Accounts	291		
Pensions	292		
Non-deductible penalties	293		
	294		
	295		
	296		
	297		
ARO Accretion expense			
Capital Contributions Received (ITA 12(1)(x))			68,786,707
Lease Inducements Received (ITA 12(1)(x))			
Deferred Revenue (ITA 12(1)(a))			1,100,000
Prior Year Investment Tax Credits received			2,736,000
Total Additions			**672,889,691**

Taxable Income - Test Year

		Working Paper Reference	Test Year Taxable Income
Net Income Before Taxes		A.	162,827,585
	T2 S1 line #		
Deductions:			
Gain on disposal of assets per financial statements	401		
Dividends not taxable under section 83	402		
Capital cost allowance from Schedule 8	403	T8	331,389,972
Terminal loss from Schedule 8	404		
Allowable business investment loss	406		
Deferred and prepaid expenses	409		
Scientific research expenses claimed in year	411		
Tax reserves end of year	413	T13	0
Reserves from financial statements - balance at beginning of year	414	T13	323,633,000
Contributions to deferred income plans	416		
Book income of joint venture or partnership	305		
Equity in income from subsidiary or affiliates	306		
Other deductions: (Please explain in detail the nature of the item)			
Interest capitalized for accounting deducted for tax	390		
Capital Lease Payments	391		310,176
Non-taxable imputed interest income on deferral and variance accounts	392		
	393		
	394		
	395		
	396		
	397		
ARO Payments - Deductible for Tax when Paid			75,717
ITA 13(7.4) Election - Capital Contributions Received			68,786,707
ITA 13(7.4) Election - Apply Lease Inducement to cost of Leaseholds			
Deferred Revenue - ITA 20(1)(m) reserve			1,100,000
Principal portion of lease payments			
Lease Inducement Book Amortization credit to income			54,792
Financing fees for tax ITA 20(1)(e) and (e.1)			1,453,417
Other Post-Employment Benefits adjustment - change in balance with no Income Statement Impact			204,443
Other Post-Employment Benefits adjustment - current year capitalized portion with no Income Statement Impact			7,185,789
Land Lease payment capitalized for accounting			89,423
Total Deductions		calculated	**734,283,436**
NET INCOME FOR TAX PURPOSES		calculated	**101,433,840**
Charitable donations	311		
Taxable dividends received under section 112 or 113	320		
Non-capital losses of preceding taxation years from Schedule 7-1	331	T4	0
Net-capital losses of preceding taxation years (Please show calculation)	332	T4	0
Limited partnership losses of preceding taxation years from Schedule 4	335		
REGULATORY TAXABLE INCOME		calculated	**101,433,840**

T0

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

Schedule 7-1 Loss Carry Forward - Test Year

Corporation Loss Continuity and Application

Non-Capital Loss Carry Forward Deduction	Working Paper Reference	Total	Non-Distribution Portion	Utility Balance
Actual/Estimated Bridge Year Carried Forward	B4	0		0
Amount to be used in Test Year and Price Cap Years	T1	0		0
Number of years loss until next cost of service (i.e. years the loss is to be spread over)				
Amount to be used in Test Year	calculated	0		0
Loss Carry Forward Generated in Test Year (if any)	T1	0		0
Other Adjustments				0
Balance available for use in Future Years	calculated	0		0

Net Capital Loss Carry Forward Deduction		Total	Non-Distribution Portion	Utility Balance
Actual/Estimated Bridge Year Carried Forward	B4	0		0
Amount to be used in Test Year and Price Cap Years				0
Number of years loss until next cost of service (i.e. years the loss is to be spread over)				
Amount to be used in Test Year	T1	0		0
Loss Carry Forward Generated in Test Year (if any)				0
Other Adjustments				0
Balance available for use in Future Years		0		0

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

Schedule 8 CCA - Test Year

Class	Class Description	Working Paper Reference	UCC Test Year Opening Balance	Additions	Disposals (Negative)	UCC Before 1/2 Yr Adjustment	1/2 Year Rule {1/2 Additions Less Disposals}	Reduced UCC	Rate %	Test Year CCA		UCC End of Test Year
1	Distribution System - post 1987	B8	$ 969,300,392	4,280,813		$ 973,581,205	$ 2,140,407	$ 971,440,799	4%	$ 38,857,632		$ 934,723,573
1 Enhanced	Non-residential Buildings Reg. 1100(1)(a.1) election	B8	$ -			$ -	$ -	$ -	6%	$ -		$ -
2	Distribution System - pre 1988	B8	$ 213,663,464			$ 213,663,464	$ -	$ 213,663,464	6%	$ 12,819,808		$ 200,843,656
8	General Office/Stores Equip	B8	$ 21,392,116	4,365,021		$ 25,757,137	$ 2,182,511	$ 23,574,627	20%	$ 4,714,925		$ 21,042,212
10	Computer Hardware/ Vehicles	B8	$ 10,681,387	4,714,447		$ 15,395,834	$ 2,357,224	$ 13,038,611	30%	$ 3,911,583		$ 11,484,251
10.1	Certain Automobiles	B8	$ -			$ -	$ -	$ -	30%	$ -		$ -
12	Computer Software	B8	$ 12,222,111	24,573,046		$ 36,795,157	$ 12,286,523	$ 24,508,634	100%	$ 24,508,634		$ 12,286,523
13 1	Lease # 1	B8	$ -			$ -	$ -	$ -		$ -		$ -
13 2	Lease #2	B8	$ -			$ -	$ -	$ -		$ -		$ -
13 3	Lease # 3	B8	$ -			$ -	$ -	$ -		$ -		$ -
13 4	Lease # 4	B8	$ -			$ -	$ -	$ -		$ -		$ -
14	Franchise	B8	$ -			$ -	$ -	$ -		$ -		$ -
17	New Electrical Generating Equipment Acq'd after Feb 27/00 Other Than Bldgs	B8	$ 26,189,897	700,000		$ 26,889,897	$ 350,000	$ 26,539,897	8%	$ 2,123,192		$ 24,766,705
42	Fibre Optic Cable	B8	$ 7,848,516			$ 7,848,516	$ -	$ 7,848,516	12%	$ 941,822		$ 6,906,694
43.1	Certain Energy-Efficient Electrical Generating Equipment	B8	$ -			$ -	$ -	$ -	30%	$ -		$ -
43.2	Certain Clean Energy Generation Equipment	B8	$ -			$ -	$ -	$ -	50%	$ -		$ -
45	Computers & Systems Software acq'd post Mar 22/04	B8	$ 2,261			$ 2,261	$ -	$ 2,261	45%	$ 1,017		$ 1,243
46	Data Network Infrastructure Equipment (acq'd post Mar 22/04)	B8	$ 6,767,629			$ 6,767,629	$ -	$ 6,767,629	30%	$ 2,030,289		$ 4,737,340
47	Distribution System - post February 2005	B8	$ 2,499,376,851	376,618,091		$ 2,875,994,942	$ 188,309,046	$ 2,687,685,896	8%	$ 215,014,872		$ 2,660,980,070
50	Data Network Infrastructure Equipment - post Mar 2007	B8	$ 22,693,108	16,929,237		$ 39,622,345	$ 8,464,619	$ 31,157,726	55%	$ 17,136,749		$ 22,485,595
52	Computer Hardware and system software	B8	$ -			$ -	$ -	$ -	100%	$ -		$ -
95	CWIP	B8	$ 474,017,319			$ 474,017,319	$ -	$ 474,017,319	0%	$ -		$ 474,017,319
14.1	Eligible Capital Property (acq'd pre Jan 1, 2017)1	B8	$ 41,619,287			$ 41,619,287	$ -	$ 41,619,287	7%	$ 2,913,350		$ 38,705,936
14.1	Eligible Capital Property (acq'd post Jan 1, 2017)1	B8	$ 103,175,567	41,315,611		$ 144,491,178	$ 20,657,806	$ 123,833,373	5%	$ 6,191,669		$ 138,299,510
6	Fence	B8	$ 1,994,300	500,000		$ 2,494,300	$ 250,000	$ 2,244,300	10%	$ 224,430		$ 2,269,870
			$ -			$ -	$ -	$ -	0%	$ -		$ -
			$ -			$ -	$ -	$ -	0%	$ -		$ -
			$ -			$ -	$ -	$ -	0%	$ -		$ -
			$ -			$ -	$ -	$ -	0%	$ -		$ -
			$ -			$ -	$ -	$ -	0%	$ -		$ -
			$ -			$ -	$ -	$ -	0%	$ -		$ -
			$ -			$ -	$ -	$ -	0%	$ -		$ -
	TOTAL		$ 4,410,944,204	$ 473,996,266	$ -	$ 4,884,940,470	$ 236,998,133	$ 4,647,942,337		$ 331,389,972	T1	$ 4,553,550,498

1. New CCA class 14.1 effective January 1, 2017. The class includes property that was eligible capital property immediately before January 1, 2017. For tax years that end prior to 2027, transitional rules apply to class 14.1 that were acquired before January 1, 2017

Ontario Energy Board

Income Tax/PILs Workform for 2020 Filers

Schedule 13 Tax Reserves - Test Year

Continuity of Reserves

Description	Working Paper Reference	Bridge Year	Eliminate Amounts Not Relevant for Bridge Year	Adjusted Utility Balance		Test Year Adjustments: Additions	Test Year Adjustments: Disposals	Balance for Test Year		Change During the Year	Disallowed Expenses
Capital Gains Reserves ss.40(1)	B13	0		0				0		0	
Tax Reserves Not Deducted for accounting purposes											
Reserve for doubtful accounts ss. 20(1)(l)	B13	0		0		0	0	0		0	
Reserve for goods and services not delivered ss. 20(1)(m)	B13	0		0				0		0	
Reserve for unpaid amounts ss. 20(1)(n)	B13	0		0				0		0	
Debt & Share Issue Expenses ss. 20(1)(e)	B13	0		0				0		0	
Other tax reserves	B13	0		0				0		0	
		0		0				0		0	
		0		0				0		0	
Total		**0**	**0**	**0**	T1	**0**	**0**	**0**	T1	**0**	**0**
Financial Statement Reserves (not deductible for Tax Purposes)											
General Reserve for Inventory Obsolescence (non-specific)	B13	0		0				0		0	
General reserve for bad debts	B13	0		0				0		0	
Accrued Employee Future Benefits:	B13	0		0				0		0	
- Medical and Life Insurance	B13	0		0				0		0	
-Short & Long-term Disability	B13	0		0				0		0	
-Accmulated Sick Leave	B13	0		0				0		0	
- Termination Cost	B13	0		0				0		0	
- Other Post-Employment Benefits	B13	323,633,000		323,633,000		6,262,150		329,895,150		6,262,150	
Provision for Environmental Costs	B13	0		0				0		0	
Restructuring Costs	B13	0		0				0		0	
Accrued Contingent Litigation Costs	B13	0		0				0		0	
Accrued Self-Insurance Costs	B13	0		0				0		0	
Other Contingent Liabilities	B13	0		0				0		0	
Bonuses Accrued and Not Paid Within 180 Days of Year-End ss. 78(4)	B13	0		0				0		0	
Unpaid Amounts to Related Person and Not Paid Within 3 Taxation Years ss. 78(1)	B13	0		0				0		0	
Other	B13	0		0				0		0	
		0		0				0		0	
		0		0				0		0	
Total		**323,633,000**	**0**	**323,633,000**	T1	**6,262,150**	**0**	**329,895,150**	T1	**6,262,150**	**0**

Canada Revenue Agency / Agence du revenu du Canada

Code 1501

Scientific Research and Experimental Development (SR&ED) Expenditures Claim

Toronto Hydro-Electric System Limited
EB-2018-0165
Exhibit 4B
Tab 2
Schedule 3
UPDATED: November 13, 2018
(185 pages)

Use this form:

- to provide technical information on your SR&ED projects;
- to calculate your SR&ED expenditures; and
- to calculate your qualified SR&ED expenditures for investment tax credits (ITC).

To claim an ITC, use either:

- Schedule T2SCH31, *Investment Tax Credit – Corporations*, or
- Form T2038(IND), *Investment Tax Credit (Individuals)*.

The information requested in this form and documents supporting your expenditures and project information (Part 2) are prescribed information.

Your SR&ED claim must be filed within 12 months of the filing due date of your income tax return.

To help you fill out this form, use the T4088, *Guide to Form T661*, which is available on our Web site: **www.cra.gc.ca/sred**.

Part 1 – General information

010 Name of claimant

TORONTO HYDRO-ELECTRIC SYSTEM LIMITED

Enter one of the following:

[redacted]
Business number (BN)

Tax year
From: 2016-01-01 (Year Month Day)
To: 2016-12-31 (Year Month Day)

Social insurance number (SIN)

050 Total number of projects you are claiming this tax year: 10

100 Contact person for the financial information [redacted]	**105** Telephone number/extension [redacted]	**110** Fax number [redacted]
115 Contact person for the technical information [redacted]	**120** Telephone number/extension [redacted]	**125** Fax number

151 If this claim is filed for a partnership, was Form T5013 filed? . . . . . 1 ☐ Yes 2 ☐ No

If you answered **no** to line 151, complete lines 153, 156 and 157.

153 Names of the partners	**156** %	**157** BN or SIN
1		
2		
3		
4		
5		

Part 2 - Project information

CRA internal form identifier 060
Code 1501

Complete a separate Part 2 for each project claimed this year.

Section A - Project identification

200 Project title (and identification code if applicable)

See schedule

Part 3 – Calculation of SR&ED expenditures

What did you spend on your SR&ED projects?

Section A – Select the method to calculate the SR&ED expenditures

I elect (choose) to use the following method to calculate my SR&ED expenditures and related investment tax credits (ITC) for this tax year.
I understand that my election is irrevocable (cannot be changed) for this tax year.

160 1 [X] I elect to use the proxy method
(Enter "0" on line 360 and complete Part 5.)

162 1 [ ] I choose to use the traditional method
(Enter "0" on lines 355 and 502. Complete line 360.)

Section B – Calculation of allowable SR&ED expenditures (to the nearest dollar)

• SR&ED portion of salary or wages of employees directly engaged in the SR&ED:			
a) Employees other than specified employees for work performed in Canada	300	+	3,203,537
b) Specified employees for work performed in Canada	305	+	
Subtotal (add lines 300 and 305)	306	=	3,203,537
c) Employees other than specified employees for work performed outside Canada (subject to limitations – see guide)	307	+	
d) Specified employees for work performed outside Canada (subject to limitations – see guide)	309	+	
• Salary or wages identified on line 315 in prior years that were paid in this tax year	310	+	
• Salary or wages incurred in the year but not paid within 180 days of the tax year end	315		
• Cost of materials consumed in performing SR&ED	320	+	
• Cost of materials transformed in performing SR&ED	325	+	
• Contract expenditures for SR&ED performed on your behalf:			
a) Arm's length contracts (see note 1)	340	+	3,989,881
b) Non-arm's length contracts (see note 1)	345	+	
• Lease costs of equipment used **before 2014**:			
a) All or substantially all (90% of the time or more) for SR&ED	350	+	
b) Primarily (more than 50% of the time but less than 90%) for SR&ED. (Enter 50% of lease costs if you use the proxy method or enter "0" if you use the traditional method)	355	+	
• Overhead and other expenditures (enter "0" if you use the proxy method)	360	+	
• Third-party payments (see note 2) (complete Form T1263*)	370	+	196,000
Total current SR&ED expenditures (add lines 306 to 370; do not add line 315) (Corporations may need to adjust line 118 of schedule T2SCH1)	380	=	7,389,418
• Capital expenditures for depreciable property available for use **before 2014** (Do not include these capital expenditures on schedule T2SCH8)	390	+	
Total allowable SR&ED expenditures (add lines 380 and 390)	400	=	7,389,418

Section C – Calculation of pool of deductible SR&ED expenditures (to the nearest dollar)

Amount from line 400	420		7,389,418
Deduct			
• provincial government assistance for expenditures included on line 400	429	–	286,672
• other government assistance for expenditures included on line 400	431	–	
• non-government assistance for expenditures included on line 400	432	–	
• SR&ED ITCs applied and/or refunded in the prior year (see guide)	435	–	993,624
• sale of SR&ED capital assets and other deductions	440	–	
Subtotal (line 420 minus lines 429 to 440)	442	=	6,109,122
Add			
• repayments of government and non-government assistance that previously reduced the SR&ED expenditure pool	445	+	
• prior year's pool balance of deductible SR&ED expenditures (from line 470 of prior year T661)	450	+	
• SR&ED expenditure pool transfer from amalgamation or wind-up	452	+	
• amount of SR&ED ITC recaptured in the prior year	453	+	
Amount available for deduction (add lines 442 to 453) (enter positive amount only, include negative amount in income)	455	=	6,109,122
• Deduction claimed in the year (Corporations should enter this amount on line 411 of schedule T2SCH1)	460	–	6,109,122
Pool balance of deductible SR&ED expenditures to be carried forward to future years (line 455 minus 460)	470	=	

* Form T1263, *Third-Party Payments for Scientific Research and Experimental Development (SR&ED)*

Note 1 – For contract expenditures made after 2013, no amounts for purchasing or leasing capital property can be included.

Note 2 – For third-party payments made after 2013, no amounts for purchasing or leasing capital property can be included.

Part 4 – Calculation of qualified SR&ED expenditures for investment tax credit (ITC) purposes

The resulting amount is used to calculate your refundable and/or non refundable ITC.

Enter the breakdown between current and capital expenditures (to the nearest dollar)

		Current Expenditures		Capital Expenditures
Total expenditures for SR&ED (from lines 380 and 390)	**492**	7,389,418	**496**	
Add				
• payment of prior years' unpaid amounts (other than salary or wages) (see note 5)	**500** +			
• prescribed proxy amount (complete Part 5) (Enter "0" if you use the traditional method)	**502** +	1,528,617		
• expenditures on shared-use equipment for property acquired **before 2014**			**504** +	
• qualified expenditures transferred to you (see note 3) (complete Form T1146**)	**508** +		**510** +	
Subtotal (add lines 492 to 508, and add lines 496 to 510)	**511** =	8,918,035	**512** =	
Deduct (see note 4)				
• provincial government assistance	**513** –	346,522	**514** –	
• other government assistance	**515** –		**516** –	
• non-government assistance and contract payments	**517** –		**518** –	
• current expenditures (other than salary or wages) not paid within 180 days of the tax year end (see note 5)	**520** –			
• amounts paid in respect of an SR&ED contract to a person or partnership that is not a taxable supplier	**528** –			
• 20% of expenditures included on lines 340 and 370	**529** –	837,176		
• prescribed expenditures not allowed by regulations (see guide)	**530** –		**532** –	
• other deductions (see guide)	**533** –		**535** –	
• non-arm's length transactions				
– assistance allocated to you (complete Form T1145*)	**538** –		**540** –	
– expenditures for non-arm's length SR&ED contracts (from line 345)	**541** –			
– adjustments to purchases (limited to costs) of goods and services from non-arm's length suppliers (see guide)	**542** –		**543** –	
– qualified expenditures you transferred (complete Form T1146**)	**544** –		**546** –	
Subtotal (line 511 minus lines 513 to 544 and line 512 minus lines 514 to 546)	**557** =	7,734,337	**558** =	
Qualified SR&ED expenditures (add lines 557 and 558)			**559** =	7,734,337
Add				
• repayments of assistance and contract payments made in the year			**560** +	
Total qualified SR&ED expenditures for ITC purposes (add lines 559 and 560)			**570** =	7,734,337

* Form T1145, *Agreement to Allocate Assistance for SR&ED Between Persons Not Dealing at Arm's Length*

** Form T1146, *Agreement to Transfer Qualified Expenditures Incurred in Respect of SR&ED Contracts Between Persons Not Dealing at Arm's Length*

Note 3 – On line 510 (capital) – Only include expenditures made before 2014 by the transferor (performer). Complete the latest version of Form T1146.

Note 4 – On lines 514, 516, 518, 532, 535, 540, 543 and 546 – Only include amounts related to expenditures of a capital nature made before 2014.

Note 5 – For arm's length contracts, only include 80% of the contract amount.

Part 5 – Calculation of prescribed proxy amount (PPA)

A notional amount representing your overhead and other expenditures.

This part calculates the PPA to enter on line 502 in Part 4. Do not complete this part if you have chosen to use the traditional method in Part 3 (line 162).
You can only claim a PPA if you elected to use the proxy method for the year in Part 3 (line 160).

Special rules apply for specified employees. Calculate your salary base in Section A and the PPA in Section B.

Section A – Salary base

Salary or wages of employees other than specified employees (from lines 300 and 307)	**810**	+	3,203,537
Deduct			
Bonuses, remuneration based on profits, and taxable benefits that were included on line 810	**812**	–	424,233
Subtotal (line 810 minus 812)	**814**	=	2,779,304

Salary or wages of specified employees

850	852	854	856	858	860
Column 1	**Column 2**	**Column 3**	**Column 4**	**Column 5**	**Column 6**
Name of specified employee	Total salary or wages for the year (SR&ED and non-SR&ED) excluding bonuses, remuneration based on profits, and taxable benefits (to the nearest dollar)	% of time spent on SR&ED (maximum 75%)	Amount in column 2 multiplied by percentage in column 3	2,5 x A x B/365 A = Year's maximum pensionable earnings B = Number of days employed in tax year	Amount in column 4 or 5, whichever amount is less

(Enter total of column 6 on line 816) **816** +

Salary base (total of lines 814 and 816) **818** = 2,779,304

Section B – Prescribed proxy amount (PPA)

Enter 65% of the salary base (line 818) less 5% of the salary base for the number of 2013 calendar days in the tax year, and less 10% of the salary base for number of days after 2013 in the tax year (use the formula in the guide-line 820) **820** = 1,528,617

Enter the amount from line 820 on line 502 in Part 4 unless the overall cap on PPA applies to you.

(See the guide for explanation and example of the overall cap on PPA)

Part 6 – Project costs

Information requested in this part must be provided for **all** SR&ED projects claimed in the year.
Expenditures should be recorded and allocated on a project basis.

750	752	754	756
Project title or identification code	Salary or wages in the tax year (Total of lines 306 to 309)	Cost of materials in the tax year (Total of lines 320 and 325)	Contract expenditures for SR&ED performed on your behalf in the tax year (Total of lines 340 and 345)
1. P1: Electric Vehicle Program	19,558		
2. P10: Sustainable power generation systems development	288,160		114,441
3. P2:Electric Power System Reliability Improvement	275,236		711,031
4. P3: Electric Power System Capacity Planning & Improvemen	128,461		40,000
5. P3A: Underground Gas Transformer Station Design	546,152		2,617,571
6. P4: Improved Grid Solutions	221,613		
7. P5: Downtown network reliability improvements	151,605		
8. P6: Distribution system design standards development	389,257		159,903

750	752	754	756
Project title or identification code	Salary or wages in the tax year (Total of lines 306 to 309)	Cost of materials in the tax year (Total of lines 320 and 325)	Contract expenditures for SR&ED performed on your behalf in the tax year (Total of lines 340 and 345)
9. P7: Developing & applying smart metering systems	812,338		346,935
10. P8: Distributed generation (DG) and Protection facilitation	371,157		
Total	3,203,537		3,989,881

Part 7 – Additional information

Expenditures for SR&ED performed by you in Canada (line 400 minus lines 307, 309, 340, 345, and 370) **605** 3,203,537

From the total you entered on line 605, estimate the percentage of distribution of the sources of funds for SR&ED performed within your organization.

		Canadian (%)		Foreign (%)
Internal	**600**	100.000		
Parent companies, subsidiaries, and affiliated companies	**602**		**604**	
Federal grants (do not include funds or tax credits from SR&ED tax incentives)	**606**			
Federal contracts	**608**			
Provincial funding	**610**			
SR&ED contract work performed for other companies on their behalf	**612**		**614**	
Other funding (e.g., universities, foreign governments)	**616**		**618**	

For statistical purposes indicate whether the work you performed falls within the realm of Basic or Applied research (to advance scientific knowledge) or Experimental development (to achieve a technological advancement):

620 1 ☐ Basic or Applied research **622** 1 ☒ Experimental development

Enter the number of SR&ED personnel in full-time equivalents (FTE):

Scientists and engineers	**632**	22
Technologists and technicians	**634**	
Managers and administrators	**636**	
Other technical supporting staff	**638**	

Part 8 – Claim checklist

To ensure your claim is complete, make sure you have:

1. used the current version of this form . . . . . ☒
2. entered the method you have chosen for reporting your SR&ED expenditures in Section A of Part 3 . . . . . ☒
3. completed Part 2 for each project . . . . . ☒
4. filed a completed Schedule T2SCH31 or Form T2038(IND) to claim ITCs on your qualified SR&ED expenditures . . . . . ☒
5. filed a completed Form T1145*, T1146**, T1174*** and/or T1263**** including any required attachments, if applicable . . . . . ☒

To expedite the processing of your claim, make sure you have:

1. completed Form T2, *Corporation Income Tax Return* or Form T1, *Income Tax and Benefit Return* . . . . . ☒
2. filed the appropriate provincial and/or territorial tax credit forms, if applicable . . . . . ☒
3. retained documents to support the SR&ED work performed and SR&ED expenditures you claimed . . . . . ☒
4. checked boxes 231 and 232 on page 2 of your T2 return to indicate attachment of Form T661 and Schedule T2SCH31 . . . . . ☒

* Form T1145, *Agreement to Allocate Assistance for SR&ED Between Persons Not Dealing at Arm's Length*

** Form T1146, *Agreement to Transfer Qualified Expenditures Incurred in Respect of SR&ED Contracts Between Persons Not Dealing at Arm's Length*

*** Form T1174, *Agreement Between Associated Corporations to Allocate Salary or Wages of Specified Employees for Scientific Research and Experimental Development (SR&ED)*

**** Form T1263, *Third-Party Payments for Scientific Research and Experimental Development (SR&ED)*

Part 9 – Claim preparer information

Information requested in this part must be provided for each claim preparer that has accepted consideration to prepare or assist in the preparation of this SR&ED claim. Certification is required on lines 935, 970, and 975.

A $1000 penalty may be assessed if the information requested below about the claim preparer(s) and billing arrangement(s), is missing, incomplete, or inaccurate. Where a claim preparer has prepared or assisted in the preparation of this SR&ED form, the claimant and the claim preparer will be jointly and severally, or solidarily, liable for the penalty.

935 Was a claim preparer engaged in any aspect of the preparation of this SR&ED claim?

1 [X] Yes (complete the claim preparer information table and lines 970 and 975 below)

2 [ ] No (complete lines 970 and 975)

Claim preparer information table

940 Name of claim preparer (company or individual)	945 Business number	950 Billing arrangement code (see codes*)	955 Billing rate (percentage, hourly/daily rate or flat fee)	960 Other billing arrangement(s) (Maximum 10 words)	965 Total fee paid, payable, or expected to pay
1. Under separate cover by Deloitte LLP	[redacted]	5		Under separate cover by	1
				Total	1

*** Billing arrangement codes**

Code	Type of billing arrangement
1	Contingency fee arrangement – where the fee is based on a percentage of the investment tax credit earned
2	Hourly rate
3	Daily rate
4	Flat fee arrangement (lump sum)
5	Other arrangements – describe the arrangement in box 960 in 10 words or less

970 I, Sean Bovingdon, certify that the information provided in this part is complete and accurate.

Name of authorized signing officer of the corporation, or individual (print)

Signature

975 2017-06-28 (Year Month Day)

Part 10 – Certification

I certify that I have examined the information provided on this form and on the attachments and it is true, correct, and complete.

165 Sean Bovingdon

Name of authorized signing officer of the corporation, or individual

Signature

170 2017-06-28

Date

175 Deloitte & Touche LLP

Name of person/firm who completed this form

Privacy Notice

Personal information is collected pursuant to subsections 37(1), 37(11), and 162(5.1) of the *Income Tax Act* (the Act) and is used for verification of compliance, administration and enforcement of the Scientific Research and Experimental Development (SR&ED) program requirements.

Information may also be used for the administration and enforcement of other provisions of the Act, including assessment, audit, enforcement, collections, and appeals, and may be disclosed under information-sharing agreements in accordance with the Act. Incomplete or inaccurate information may result in assessment of monetary penalties and delays in processing SR&ED claims.

The social insurance number is collected pursuant to section 237 of the Act and is used for identification purposes.

Information is described in personal information bank CRA PPU 441 "Scientific Research and Experimental Development" in the Canada Revenue Agency (CRA) chapter of *Info Source*. Personal information is protected under the *Privacy Act*, and individuals have a right of access to, correction, and protection of their personal information. Further details regarding requests for personal information at the CRA and our *Info Source* chapter can be found at www.cra.gc.ca/atip.

Canada Revenue Agency / Agence du revenu du Canada

THIRD-PARTY PAYMENTS FOR SCIENTIFIC RESEARCH AND EXPERIMENTAL DEVELOPMENT (SR&ED)

Complete this form for each third-party payment and attach it to Form T661.

For more information on third-party payments:

- See line 370 of Guide to Form T661, S*cientific Research and Experimental Development (SR&ED) Expenditures Claim*;
- Third-Party Payments Policy;
- Consult our Web site: **www.cra.gc.ca/sred**.

Required Information

1. Identification

701 Name of the third party
Ryerson University

702 Address (Street number and name)
350 Victoria Street

City	Province / Territory	Postal Code
Toronto	ON CA	M5B 2K3

704 Total amount paid in the year
$ 150,000

Identify the research project(s) performed by the third-party entity for the payment

706 Project title (and identification code if applicable)
1 P10 Applied research at the CUE of Ryerson University

Check the appropriate box to indicate the type of entity:

711	Approved association	1 Yes		
712	Non-profit SR&ED corporation resident in Canada	1 Yes		
714	An approved university, college, research institute, or other similar institution	1 Yes	X	
716	Granting council	1 Yes		
718	Other corporation resident in Canada	1 Yes		
721	Are you dealing at arm's length with the recipient?	1 Yes	X	2 No

2. Nature of payment

Check the appropriate box to indicate the type of entity:

The payment is for:

731	Experimental development	1 Yes	
732	Applied research	1 Yes	X
734	Basic research	1 Yes	

736 Briefly explain what the payment is for:
Research into urban energy issues, creation of new knowledge in various areas including distribution power engineering and utiity applications, energy storage, etc.

738 Briefly explain how the SR&ED is related to a business that you carry on:

The research related directly to the business of the company which distributes electricity and is responsible for leading the way in conservation and demand management.

740 Briefly explain how you are entitled to exploit the results of the SR&ED:

Toronto Hydro has the right to exploit any of the intellectual property arising out of the research funded by Toronto Hydro.

Personal information is collected pursuant to subsections 37(1), 37(11), and 162(5.1) of the *Income Tax Act* (the Act) and is used for verification of compliance, administration and enforcement of the Scientific Research and Experimental Development (SR&ED) program requirements.

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T1263 E (15)

Canada

Canada Revenue Agency / Agence du revenu du Canada

THIRD-PARTY PAYMENTS FOR SCIENTIFIC RESEARCH AND EXPERIMENTAL DEVELOPMENT (SR&ED)

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For more information on third-party payments:

- See line 370 of Guide to Form T661, S*cientific Research and Experimental Development (SR&ED) Expenditures Claim*;
- Third-Party Payments Policy;
- Consult our Web site: **www.cra.gc.ca/sred**.

Required Information

1. Identification

701 Name of the third party
Georgian College

702 Address (Street number and name)
1 Georgian Drive

City	Province / Territory	Postal Code
Barrie	ON CA	L4M 3X9

704 Total amount paid in the year
$ 20,000

Identify the research project(s) performed by the third-party entity for the payment

706 Project title (and identification code if applicable)
1 P2 - EPS Reliability

Check the appropriate box to indicate the type of entity:

711	Approved association	1 Yes		
712	Non-profit SR&ED corporation resident in Canada	1 Yes		
714	An approved university, college, research institute, or other similar institution	1 Yes	X	
716	Granting council	1 Yes		
718	Other corporation resident in Canada	1 Yes		
721	Are you dealing at arm's length with the recipient?	1 Yes	X	2 No

2. Nature of payment

Check the appropriate box to indicate the type of entity:

The payment is for:

731	Experimental development	1 Yes	
732	Applied research	1 Yes	X
734	Basic research	1 Yes	

736 Briefly explain what the payment is for:
The consortium is uniquely positioned to provide the aforementioned opportunities.

738 Briefly explain how the SR&ED is related to a business that you carry on:

The research related directly to the business of the company which distributes electricity and is responsible for leading the way in conservation and demand management.

740 Briefly explain how you are entitled to exploit the results of the SR&ED:

Toronto Hydro has the right to exploit any of the intellectual property arising out of the research funded by Toronto Hydro.

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T1263 E (15)

Canada

Canada Revenue Agency / Agence du revenu du Canada

THIRD-PARTY PAYMENTS FOR SCIENTIFIC RESEARCH AND EXPERIMENTAL DEVELOPMENT (SR&ED)

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For more information on third-party payments:

- See line 370 of Guide to Form T661, S*cientific Research and Experimental Development (SR&ED) Expenditures Claim*;
- Third-Party Payments Policy;
- Consult our Web site: **www.cra.gc.ca/sred**.

Required Information

1. Identification

701 Name of the third party
University of Toronto

702 Address (Street number and name)
5 King's College Road

City	Province / Territory	Postal Code
Toronto	ON CA	M5S 3G8

704 Total amount paid in the year
$ 26,000

Identify the research project(s) performed by the third-party entity for the payment

706 Project title (and identification code if applicable)
1 P2 - EPS Reliability

Check the appropriate box to indicate the type of entity:

711	Approved association	1 Yes		
712	Non-profit SR&ED corporation resident in Canada	1 Yes		
714	An approved university, college, research institute, or other similar institution	1 Yes	X	
716	Granting council	1 Yes		
718	Other corporation resident in Canada	1 Yes		
721	Are you dealing at arm's length with the recipient?	1 Yes	X	2 No

2. Nature of payment

Check the appropriate box to indicate the type of entity:

The payment is for:

731	Experimental development	1 Yes	
732	Applied research	1 Yes	X
734	Basic research	1 Yes	

736 Briefly explain what the payment is for:
The consortium is uniquely positioned to provide the aforementioned opportunities.

738 Briefly explain how the SR&ED is related to a business that you carry on:

The research related directly to the business of the company which distributes electricity and is responsible for leading the way in conservation and demand management.

740 Briefly explain how you are entitled to exploit the results of the SR&ED:

Toronto Hydro has the right to exploit any of the intellectual property arising out of the research funded by Toronto Hydro.

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T1263 E (15)

Canada

Part 2 – Project information (continued)

Project number **1**

CRA internal form identifier 060

Complete a separate Part 2 for each project claimed this year. Code 1501

Section A – Project identification

200 Project title (and identification code if applicable)

P1: Electric Vehicle Program

202 Project start date	**204** Completion or expected completion date	**206** Field of science or technology code (See guide for list of codes)
2010-02 (Year Month)	2017-12 (Year Month)	2.02.01 Electrical and electronic engineering

Project claim history

208 1 [X] Continuation of a previously claimed project **210** 1 [ ] First claim for the project

218 Was any of the work done jointly or in collaboration with other businesses? . . . . . 1 [ ] Yes 2 [X] No

If you answered **yes** to line 218, complete lines 220 and 221.

220 Names of the businesses	**221** BN
1	

Section B – Project descriptions

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

1. The obstacles that TH had to overcome at the start of the claim project were:
2. (1) Understanding what steps did TH have to take now and in future to be ready
3. to accommodate the Provincial Government's target of 1 in 20 new vehicles in
4. Ontario by 2020 being electric ones; how would we need to develop and prepare
5. the assets and infrastructure;
6. (2) Determining the electric vehicle makes, and technologies used, that would
7. be selected for use in internal field trials;
8. (3) Understanding and developing the design, operation, monitoring and
9. reporting parameters that would need to be specified to ensure the data
10. captured and analyzed from internal pilots, and from external participants
11. through the EV Connections Program (CP), would lead to meaningful insights
12. about all aspects of electric vehicle charging on its grid operations.
13.
14. TH had made initial efforts in prior years to establish from modeling what the
15. aggregate impacts on its grid might be. The EV pilot field trial continued in
16. FY2016 from the previous fiscal year. The hope was that the trial results
17. would be scalable and applicable to different degrees of EV penetration across
18. its service area, and inform how EV charging could be integrated within its
19. grid operations and control. Whether results from its internal trials and
20. from the EV CP participants would be scalable and facilitate the integration
21. of EV charging with grid operations remained to be explored.
22.
23.

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

1. Data collected from the EV connections program was used to develop a model to
2. understand what number and type of EVs could be connected to a distribution
3. transformer before causing local infrastructure impacts. This model provided
4. realistic representation of factors such as state of charge before charging,
5. charging time and flow during various points in the charging time in addition
6. to actual demand related to vehicle type. Few vehicles are needed to trigger
7. a local infrastructure constraint. Together with the data on the location of
8. actual EVs, local areas can be targeted for intervention.
9. Project for curb-side charging with the City of Toronto after being stalled
10. for regulatory/legal issues. The focus is to understand the pattern of usage
11. and the impact on downtown infrastructure. Focus will be to find solutions

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

that permit increased deployment while minimizing infrastructure impact and therefore cost.

Project was initiated to provide charging capability into neighbourhoods that have no private means of charging a vehicle. During 2016, customers were found to use extension cords over sidewalks which presents a safety issue. To prevent a safety concern, we worked to find/develop pole mounted solutions with manufacturers (such models do not currently exist in North America).
We worked with Cross Chasm Technologies in the deployment of on-board and off-board vehicle charging controls to control over-night charging in a way that is beneficial to the grid and not user experience impactive to the driver. ("SmartCharging"). We worked with Cross Chasm to design the demand impact control, the data collection aspects to enable further technical insight as well as on the rewards program to encourage participation. Project was successful and objectives were achieved. Toronto Hydro will be participating in a larger Canada wide project using the same technology in 2017.
We also used the results of our work with Cross Chasm and retained ICF Consulting to develop models for use in Regulatory proceedings that would determine the cost benefit of SmartCharging program with rewards deployment given a variety of vehicle charging characteristics (captured through EV Connections program).
In late 2016 we initiated work on a workplace charging project at 500 Commissioners St. The aim of the project is to integrate electric vehicle charging with existing solar generation, battery storage and building demand management system to manage overall building electrical demand. This in turn would be a showcase for our customers.
The impact of the Ontario Climate Change Action Plan, particularly related to the electrification of transportation was assessed on a system wide basis to determine the infrastructure impact on a wide area basis
We also did work to modify our Conditions of Service technical requirements for metering in Multi-Unit Residential Buildings to achieve lower costs, less resource demand and increased deployment of electric vehicles.
Work would continue into FY2017 with: outreach programs, forecasting and projects (curbside EV charging stations, utilization of streetlight poles for charging capability, design of workplace charging systems, increasing the utilization of EV fleet, and condominium solutions to reduce cost of EV adoption.

246 What scientific or technological advancements did you achieve or attempt to achieve as a result of the work described in line 244? (*Maximum 50 lines*)

Scientific and technological advancements include:
Better models of the impact of the electric vehicle charging behaviour on a local area basis using data from the EV Connections program.
Understanding of the capabilities and implementability of "Smart Charging" (utility control of electric vehicle charging) to minimize local grid impacts as well as customer inconvenience.

Understanding of the impacts of Ontario's Climate Change Action Plan, specifically the electrification of transportation, on Toronto Hydro's peak demand at a system wide basis.
Understanding of the technical barriers that further need to be worked on to proceed with curb-side and workplace charging in 2017 in the context of minimizing infrastructure impacts.

Section C – Additional project information

Who prepared the responses for Section B?

253 1 [X] Employee directly involved in the project	**254** Name [redacted]		
255 1 [ ] Other employee of the company	**256** Name		
257 1 [X] External consultant	**258** Name Deloitte LLP	**259** Firm Deloitte LLP	

List the key individuals directly involved in the project and indicate their qualifications/experience.

260 Names	**261** Qualifications/experience and position title
1 [redacted]	[redacted]
2 [redacted]	[redacted]
3 [redacted]	[redacted]

265 Are you claiming any salary or wages for SR&ED performed outside Canada? . . . . . 1 [ ] Yes 2 [X] No

266 Are you claiming expenditures for SR&ED carried out on behalf of another party? . . . . . 1 [ ] Yes 2 [X] No

267 Are you claiming expenditures for SR&ED performed by people other than your employees? . . . . . 1 [ ] Yes 2 [X] No

If you answered **yes** to line 267, complete lines 268 and 269.

268 Names of individuals or companies	**269** BN
1	

What evidence do you have to support your claim? (Check any that apply)
You do not need to submit these items with the claim. However, you are required to retain them in the event of a review.

270 1 [X] Project planning documents

271 1 [X] Records of resources allocated to the project, time sheets

272 1 [ ] Design of experiments

273 1 [X] Project records, laboratory notebooks

274 1 [ ] Design, system architecture and source code

275 1 [ ] Records of trial runs

276 1 [X] Progress reports, minutes of project meetings

277 1 [X] Test protocols, test data, analysis of test results, conclusions

278 1 [X] Photographs and videos

279 1 [ ] Samples, prototypes, scrap or other artefacts

280 1 [X] Contracts

281 1 [X] Others, specify **282** Invoices & emails.

Part 2 – Project information (continued)

Project number **2**

CRA internal form identifier 060

Complete a separate Part 2 for each project claimed this year. Code 1501

Section A – Project identification

200 Project title (and identification code if applicable)

P10: Sustainable power generation systems development

202 Project start date	**204** Completion or expected completion date	**206** Field of science or technology code (See guide for list of codes)
2007-04 (Year Month)	2018-12 (Year Month)	2.02.01 Electrical and electronic engineering

Project claim history

208 1 [X] Continuation of a previously claimed project **210** 1 [ ] First claim for the project

218 Was any of the work done jointly or in collaboration with other businesses? . . . . . 1 [ ] Yes 2 [X] No

If you answered **yes** to line 218, complete lines 220 and 221.

220 Names of the businesses	**221** BN
1	

Section B – Project descriptions

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

THESL wanted to further develop its capability to design & develop commercially viable sustainable systems to generate electricity, and which capture all of a specific site's potential; given the actual resources available.

The obstacles and uncertainties related to wind resources:

(1) Keeping the off-shore wind research platform in Lake Ontario in service and operate continuously over the year even under extreme weather conditions, such as high winds (>100 km/h), high waves (>5m waves) and cold temperatures (<-15C) causing icing and additional loading of equipment;

(2) Removal of the platform from Lake Ontario after 2 years of data collection, if no other use for it can be found; and

(3) Monitoring of the performance of the control/converter system of the demonstration WTG in operation at Exhibition Place to determine if a replacement more reliable control/converter system was warranted.

For PV systems, uncertainties related to:

(1) establishing the potential capacity of a proposed rooftop host site given an assessment of its current condition/possible rehabilitation/upgrading;

(2) preparing FIT and micro-FIT applications for acceptance with sufficient system concept definition to assure a high probability of acceptance;

(3) determining detailed system & design features including circuit design, metering, and grid connection arrangements, given application acceptance by the OPA, that will pass ESA inspection; and

(4) meeting system design performance targets in-service.

For Biogas systems, uncertainties related to:

(1) establishing the potential capacity of a depleting fuel resource;

(2) determining the scaling factors involved of various power generation methods;

(3) understanding the technological obstacles of utilizing a 'dirty' fuel resource which must be filter for water and CO2 and scrubbed of impurities prior to combustion in a power generating unit; and

(4) Monitoring performance and meeting system design performance targets in-service.

For Wind Resource and PV systems, and renewable generation activities uncertainties related to a "HydroStor" 660kW, 330kWh underwater-compressed air energy storage system would also need to be resolved. Attempting to use compressed air as an energy storage mechanism would require an understanding of the feasibility of this type of system in Toronto, and whether or not it

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

38. had a role to monitor/forecast/control generator resources within its service
39. area in "real-time".

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

1.
2. PV Solar:
3. PV Solar activities continued in FY2016 with monitoring and analysis of
4. systems and data in attempts to improve the understanding of the effects on
5. the distribution network and maintenance cycles. TH encountered failures on PV
6. panels and had initiated investigations on wiring and inverter concerns. Snow
7. monitoring methods continued and studies conducted to determine the effects of
8. snow loading on the PV cells. Development in PV solar also entailed devising
9. weight distribution techniques. Ballested solar projects investigations began
10. in FY2016. Specialized modified structures were conceptualized, designed and
11. tested in applications where the site roof structures could not support the
12. load of convention TH installations (elevated truss systems will be further
13. explored in FY2017). PV solar applications will continue to be evaluated for
14. operational impact and reliability.
15.
16. Off-shore wind development activities was on-hold through FY2016.
17.
18. Bio-Gas Development:
19. Bio-gas system development continued on three main initiatives: Ashbridges
20. Treatment Plant (ABTP), Greenlane, and Keele Valley - in each case TH would
21. attempt to resolve technical constraints from low EROEI (Energy Return on
22. Energy Invested) resources.
23. - ABTP 10MW biogas resource. The design concept was completed although
24. challenges with other infrastructure assets were encountered. A possible
25. mitigation strategy may involve developing a tunneling concept involving
26. horizontal drilling through bedrock to avoid any possible interferences - this
27. approach is unique for a district system application. Site challenges remain
28. concerning interface with other infrastructure projects and development will
29. extend into FY2017.
30. - The Green Lane 8MW landfill gas resource - the present challenge for all
31. alternative generation and distribution systems stem from the taper of FIT
32. (feed in tariff) funding and the present extremely low cost of conventional
33. fossil fuel generation systems. The Green Lane application is a landfill
34. source of mixed CO2 and 'dirty' natural gas which must be separated for use in
35. power generation - the extra step and increased maintenance requirement adds
36. costs to the system despite the green-house gas reduction potential.
37. Technology was explored through FY2016 to address gas treatment for co-gen or
38. pipeline injection. Use of resource yet to be determined and will be further
39. explored in FY2017.
40. - Keele Valley 6MW landfill gas resource is an inactive site with a depleting
41. natural gas resource. The original power station was comprised of large
42. generating turbines that now have insufficient fuel supply to efficiently
43. generate power. A concept with multiple smaller modular power generating sets
44. (Gen. Sets) to exploit the remaining natural gas was explored with further
45. work to be undertaken next year. Given the lack of renewable power contracts
46. with IESO and low market price of electricity the economics remain a challenge
47. and various refurbished equipment options have been reviewed.
48.
49. Hydrostor:
50. In this fiscal period, THESL continued working with Hydrostor to develop a
51. demonstration system. This project is considered to be a temporary,
52. scientific research project with the goal of testing and validating this
53. underwater compressed air energy storage technology for future use. This

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

system will also be used to analyze, understand and document the potential benefits that bulk energy storage can provide for THESL and the Toronto Electrical grid.

At the end of the fiscal period, preliminary trials were conducted and observations made. The system appeared to be capable of producing 650kW but only had 330kWh of storage. The operating trip efficiency was noted to be under 60%. The pilot demonstrated that the system is feasible, however, scaling efficiencies would be necessary. It was also observed that with a 5 minute start up and shut down process lag the storage technique was less flexible than battery storage. Overcoming and mitigating these observations would be the focus of ongoing development. In FY2016 - a small expansion and greater heat recovery was tested - The pilot will be upgraded in capacity from 330kWh to 1000kWh and heat recovery improved to attempt to improve overall plant efficiency. Construction in Q3 of FY2017 planned. The target is to triple capacity by FY2018 - currently 50% efficient and target is to get to over 60%. In FY2017 an investigation of phase-changing materials for the heat recovery medium will be explored.

Energy Storage:
Smaller pilot projects commenced. 500kWh lithium-ion battery storage unit explored. Pole mount energy storage system explored (with Ryerson). Operating characteristics and integration and resilience with the distributed generation systems are yet to be determined. Larger energy storage solutions were explored in FY2016 with increased focus in FY2017. Attempting to re-purpose an un-used municipal station and utilize storage solutions to balance grid loads and reduce generation investment. Limitations in the legacy structure pose technical challenges.

FY2016 - studies: Irving 30MW 7.5MWh storage study undertaken (to optimize energy storage system to address energy quality at the Irving plant) and Sunnybrook 12MW 3MWh (to optimize energy storage for reliability and supporting generator ride-through) (15 min of ride-though requirement). Contracted to Ryerson Q to perform technical review. Determined that tuned reactors and capacitors would improve battery storage systems and power quality could address 95% of the reliability with storage solutions at the on-site end point. Eglington LRT - investigation of large-scale storage for emergency power and conditioning demand response and ancillary services. Power Advisory group subcontracted to perform initial review activity with TH personnel. Concept 20MW - 80MWh system devised. Global Adjustment (GA)studies - attempting to mitigate via off-peak demand and cut-off in on-peak demand periods - Investigated energy storage solutions to attempt to reduce GA but costs are presently prohibitive. Further investigation is required.

Contracted resources, listed below, worked as an integral part of the development teams.

246 What scientific or technological advancements did you achieve or attempt to achieve as a result of the work described in line 244? (*Maximum 50 lines*)

With wind resources, THESL was advancing its knowledge from operating an autonomously designed R&D anemometer platform located in Lake Ontario placed in service in mid-2010. It was still operating entering 2012. Last fiscal year, the initial analysis of the data was started. The performance of the control/converter system of THESL's first wind turbine generator at Exhibition Place was a concern - in FY2017 the generator winding of the unit will be refurbished - but methodology to repair has yet to be determined.
For PV Solar, experimental development continued with monitoring and analysis activity. Work pertaining to unique structures and applications have been

conducted and new knowledge gained (for example - elevated truss structure for low capacity roofs, use of string inverters to improve part load efficiency and reliability). For bio-gas fuelled systems, THESL wanted to have the capabilities to design and develop such systems, irrespective of the bio-gas source. Various issues had been addressed, but methods to overcome EROEI uncertainties remain. In conjunction with the Utility Host Toronto Hydro, Hydrostor has constructed a pilot of a 660kW, 330 kWh UW-CAES system to demonstrate the use and value of compressed air as an energy storage mechanism. The system operates by storing electrical energy in the form of compressed air in concrete accumulators located below the surface of water, taking advantage of the pressure found at depth. The project has two components, an onshore portion of the system located on the Toronto Islands (which will house the mechanical aspects), and an offshore portion located ~5km away in Lake Ontario (which is an underwater cavity capable of storing compressed air). Preliminary construction began in 2013, and was completed at the end of 2015 with data acquisition and engineering analysis in 2016. In FY2015 preliminary failures with water slugs and low scale efficiencies had been encountered and new methodologies and systematic approaches devised. In FY2016 expansion and improvement options were explored and would be pursued. Energy storage storage techniques and methodologies will be further investigated in FY2017.

Section C – Additional project information

Who prepared the responses for Section B?

253 1 [X] Employee directly involved in the project	**254** Name [redacted]			
255 1 [ ] Other employee of the company	**256** Name			
257 1 [X] External consultant	**258** Name Deloitte LLP	**259** Firm Deloitte LLP		

List the key individuals directly involved in the project and indicate their qualifications/experience.

260 Names	**261** Qualifications/experience and position title
1 [redacted]	[redacted]
2 [redacted]	[redacted]
3	

265 Are you claiming any salary or wages for SR&ED performed outside Canada? . . . . . 1 [ ] Yes 2 [X] No

266 Are you claiming expenditures for SR&ED carried out on behalf of another party? . . . . . 1 [ ] Yes 2 [X] No

267 Are you claiming expenditures for SR&ED performed by people other than your employees? . . . . . 1 [X] Yes 2 [ ] No

If you answered **yes** to line 267, complete lines 268 and 269.

268 Names of individuals or companies	**269** BN
1 CEM ENGINEERING	[redacted]
2 LES SOLUTIONS QUATRIC INC.	[redacted]
3 SNC-LAVALIN INC.	[redacted]
4 THE BIGLIERI GROUP LTD.	[redacted]

What evidence do you have to support your claim? (Check any that apply)
You do not need to submit these items with the claim. However, you are required to retain them in the event of a review.

270	1	[X]	Project planning documents		
271	1	[X]	Records of resources allocated to the project, time sheets		
272	1	[ ]	Design of experiments		
273	1	[X]	Project records, laboratory notebooks		
274	1	[ ]	Design, system architecture and source code		
275	1	[X]	Records of trial runs		
276	1	[X]	Progress reports, minutes of project meetings		
277	1	[X]	Test protocols, test data, analysis of test results, conclusions		
278	1	[X]	Photographs and videos		
279	1	[ ]	Samples, prototypes, scrap or other artefacts		
280	1	[ ]	Contracts		
281	1	[X]	Others, specify	282	Presentations, e-mails and W.O. detail

Part 2 – Project information (continued)

Project number **3**

CRA internal form identifier 060

Complete a separate Part 2 for each project claimed this year. Code 1501

Section A – Project identification

200 Project title (and identification code if applicable)

P2:Electric Power System Reliability Improvement

202 Project start date	**204** Completion or expected completion date	**206** Field of science or technology code (See guide for list of codes)
2007-01 (Year Month)	2017-12 (Year Month)	2.02.01 Electrical and electronic engineering

Project claim history

208 1 [X] Continuation of a previously claimed project **210** 1 [ ] First claim for the project

218 Was any of the work done jointly or in collaboration with other businesses? . . . . . 1 [ ] Yes 2 [X] No

If you answered **yes** to line 218, complete lines 220 and 221.

220 Names of the businesses	**221** BN
1	

Section B – Project descriptions

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

THESL is trying to achieve sustained, measureable improvements in the performance of its distribution system. In electricity distribution, standard metrics are used for service performance and reliability tracking, SAIDI and SAIFI. These metrics reflect factors within THESL's control, e.g. the extent and targeting of its annual spend on capital and O&M, and factors and events beyond THESL's control such as numbers of storm days experienced annually. Historical data shows that the number of storm days on average has increased since 2005, but physical damage to the grid from such weather was not as extensive as in prior years. Past efforts to storm harden the grid and to use covered cables where warranted seem to have had a beneficial impact on reliability performance. To sustain existing levels and strive to make further improvements in the values of those standard metrics, THESL needed to work to improve the distribution system.

The obstacles faced and whose resolution the THESL project worked on with some subcontractor assistance were as follows:

1. (Event Management/AMI Data Analytics) - Understanding how to improve the quality of historical asset reliability data; for use in improved OMS/ITIS reporting. Challenges included geospatial cross-referencing of existing OMS/ITIS data, and developing an enhanced outage reporting process. ITIS itself required a minor overhaul and data tables had to be realigned to support new Event management requirements. This work transitioned into a broader AMI data analytics approach in 2016.
2. (Risk Analyzer) - Development of a model/tool that can quantify the "installed risk" value of the distribution system based on data (historical and current).
3. (Feeder Automation Radio Study) - As we expanded our capabilities in Feeder Automation, the network becomes larger and more complicated - which can lead to radio saturation. For this project, we investigated new potential designs that could overcome issues with noise, location, communication interferences, terrain, and prevent oversaturation while providing communication between switches.
4. (Power Quality Monitoring) - Understanding how availability technologies could be developed for use in the TH infrastructure. Installation of a Power Quality Monitoring network for real time event analysis and alerts.

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

5. (Underground Cable Testing) - Involved test method development in an effort to be able to prioritize replacement of underground cable assets. Challenges included understanding what methods work best for the many different types and conditions of cables and environment.

6. Analytics [operating] - Analytics Road map for visual and deductive reasoning analysis, as well as use cases development to assess the various inputs which drive the decisions and execution times within the control room.

7. Analytics [planning] - Understanding how new analytical tools could be integrated within to THESL's planning processes to maximize productivity benefits.

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

Experimental development in this fiscal period included the following:

1. (AMI Data Analytics) - Utilization of Smart Metering data to enhance and evolve existing planning practices. Work included analytics of individual residential meters to develop system wide outage metrics such as CEMI and CELID; integration of data into NMS environment for real time system outage reporting; outage and customer focused interruption validation; integration with traditional outage data sources such as SCADA and customer calls; and loading data for asset utilization and contingency analysis. Includes beginning road mapping exercise of metering data needs and applications to drive the direction of the overall metering program to support analytical needs.

2. (Risk Analyzer) - In 2016, a broader initiative to establish a metric that measures the risk of the system from a customer interruption cost perspective was started. As a result, the Risk Analyzer will be integrated into that initiative.

3. (Feeder Automation Radio Study) - Investigate integration of a FLISR system into existing NMS product. Ongoing testing and benefit realization to be applied in the following year to enhance SAIFI and SAIDI. Sandbox environment to be utilized as Engineering Planning tool to optimize SCADA integration across the system.

4. (Power Quality Monitoring) - Work continued from prior fiscal year. Applications investigated included: network automation; underground structure inspection methods development for PQM; and fault localization for PQM (software/algorithm development).

5. (Underground Cable Testing) - Continued development, investigated various test methods to be able to quantify the condition of existing underground assets. Experimented/analyzed/developed different methods work for the many different types and conditions of cables and environments, and performed actual physical testing.

6. (Analytics - operating) - Developed a roadmap with Quatric Solutions Inc. to outline the various departments which interact with the Control Room and the number of tools involved in tracking the various metrics which are used to track and improve performance across the organization. In development with Quatric Solutions Inc., 25 use cases were developed to support frame work of a Power System analysis tool for the control room.

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

43.
44. 7. (Analytics - planning) - Continued the development of an
45. engineering data warehouse to streamline the access to data as well as perform
46. 'big data' calculations required by THESL's planning department. In parallel
47. to this activity, continued the deployment of new data blending & analytics
48. software to THESL's planning department and integrated software into business
49. processes to improve productivity & drive new insights into THESL data based
50. on new capabilities.
51.
52. Long term strategies in EPS reliability are being devised to define capital
53. requirements over the coming decades. These strategies will continue to
54. challenge known techniques and methodologies and will result in continued
55. development-oriented activities in future fiscal periods.
56. [CEATI - PQ, DLAM,Stations; C-MORE (UofT); Smart Grid Canada]
57.
58. SR&ED activities were sub-contracted during the course of this fiscal period.
59. Sub-contractors performed investigations and analysis required to continue
60. development in EPS initiatives.
61.

246 What scientific or technological advancements did you achieve or attempt to achieve as a result of the work described in line 244? (*Maximum 50 lines*)

1. Through experimental development, the following advancements were sought or
2. achieved:
3.
4. 1. (Event Management) - Improved quality of historical asset reliability data;
5. and developed correlations to specific impacted asset location(s).
6.
7. 2. (Risk Analyzer) - Developed a model/tool that can quantify the "installed
8. risk" value of the distribution system based on data (historical and current)
9. which is to drive a customer interruption cost driven risk outcome.
10.
11. 3. (Feeder Automation Radio Study) - Study progressed; improved knowledge of
12. influencing factors - work continued in next fiscal period.
13.
14. 4. (Power Quality Monitoring) - Improvement knowledge of how various new
15. technologies could be developed for use in the TH infrastructure;
16. analysis/research would continue in next fiscal period.
17.
18. 5. (Underground Cable Testing) - Test method development improved our
19. knowledge of the different types and conditions of cables; including that age
20. was not the only primary factor for asset condition.
21.
22. 6. (Analytics - Operations) - Model development was approved for progressing
23. to next steps for hiring the necessary staff and ensuring that the right IT
24. infrastructure is in place.
25.
26. 7. (Analytics - Planning) - Improved productivity of select business processes
27. and enhanced the quality of existing data analysis capability. The
28. implementation enabled increased analytical and data visualization
29. capabilities in planning. It further increased efficient access to data for
30. engineers within the Engineering Planning area.

Section C – Additional project information

Who prepared the responses for Section B?

253 1 [X] Employee directly involved in the project	**254** Name [redacted]			
255 1 [ ] Other employee of the company	**256** Name			
257 1 [X] External consultant	**258** Name Deloitte LLP	**259** Firm Deloitte LLP		

List the key individuals directly involved in the project and indicate their qualifications/experience.

260 Names	**261** Qualifications/experience and position title
1 [redacted]	[redacted]
2 [redacted]	[redacted]
3 [redacted]	[redacted]

265 Are you claiming any salary or wages for SR&ED performed outside Canada? . . . . . 1 [ ] Yes 2 [X] No

266 Are you claiming expenditures for SR&ED carried out on behalf of another party? . . . . . 1 [ ] Yes 2 [X] No

267 Are you claiming expenditures for SR&ED performed by people other than your employees? . . . . . 1 [X] Yes 2 [ ] No

If you answered **yes** to line 267, complete lines 268 and 269.

268 Names of individuals or companies	**269** BN
1 CEATI INTERNATIONAL INC.	[redacted]
2 COMPASS POINT SYSTEMS INC	[redacted]
3 METSCO ENERGY SOLUTIONS INC.	[redacted]

What evidence do you have to support your claim? (Check any that apply)
You do not need to submit these items with the claim. However, you are required to retain them in the event of a review.

270 1 [X] Project planning documents	**276** 1 [X] Progress reports, minutes of project meetings
271 1 [X] Records of resources allocated to the project, time sheets	**277** 1 [X] Test protocols, test data, analysis of test results, conclusions
272 1 [ ] Design of experiments	**278** 1 [ ] Photographs and videos
273 1 [X] Project records, laboratory notebooks	**279** 1 [ ] Samples, prototypes, scrap or other artefacts
274 1 [ ] Design, system architecture and source code	**280** 1 [X] Contracts
275 1 [X] Records of trial runs	**281** 1 [X] Others, specify **282** Invoices & emails.

Part 2 – Project information (continued)

Project number **4**

CRA internal form identifier 060

Complete a separate Part 2 for each project claimed this year. Code 1501

Section A – Project identification

200 Project title (and identification code if applicable)

P3: Electric Power System Capacity Planning & Improvement

202 Project start date	**204** Completion or expected completion date	**206** Field of science or technology code (See guide for list of codes)
2007-03 (Year Month)	2017-12 (Year Month)	2.02.01 Electrical and electronic engineering

Project claim history

208 1 [X] Continuation of a previously claimed project **210** 1 [ ] First claim for the project

218 Was any of the work done jointly or in collaboration with other businesses? . . . . . 1 [ ] Yes 2 [X] No

If you answered **yes** to line 218, complete lines 220 and 221.

220 Names of the businesses	**221** BN
1	

Section B – Project descriptions

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

1.
2. The technological objective of the project is to develop more accurate and
3. flexible tools for peak demand forecasting and option development. The
4. primary tool for input into subsequent tools is the load forecasting tool.
5.
6. Challenges with current methods are: 1) they deal poorly with abrupt changes
7. in underlying drivers of peak demand, 2) they are not flexible to include new
8. factors (without previous history) that will increase electricity demand such
9. as the electrification of transportation as proposed in the Ontario Climate
10. Change Action Plan and 3 they do not provide understanding in the seasonality
11. of peaks (as compared with a yearly peak) and further they are not designed
12. to provide an hourly profile for peak conditions (which would be necessary in
13. order to understand the feasibility of non-wires solution to deal with peak
14. constraints).
15.

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

1.
2. Investigation into two key studies continued from the previous tax year.
3.
4. In the first, new methods/techniques, beyond current practices, were
5. developed. A subcontractor completed a long-term/25 year spatial peak demand
6. forecast, including sensitivity analysis and a peak demand forecast process
7. design, based on City forecasts of population & employment and IESO weather
8. correction and extremes calculation, with the flexibility to handle multiple
9. CDM and DG scenarios. Different CDM and DG scenarios were analyzed using the
10. newly developed method. The Spatial Peak Demand Forecast from this study was
11. contributed to the Central Toronto IRRP. THESL also continued to work with
12. the OPA on developing contingencies for reliability and security analysis to
13. identify mid- to long-term needs of the transmission system supplying downtown
14. Toronto. Needs were examined on a probabilistic in addition to a
15. deterministic approach traditionally used. A broader Metro Toronto Regional
16. Infrastructure Report Plan (MTRI) extrapolating from the central IRRP was made
17. and incorporated GO Line electrification and other potential future system
18. additions. Through FY2016, a method to reduce work load in forecasting was
19. pursued, and a new load forecasting approach conceived as a result of the

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

World Climate Change Action Plan (with extensive investigation planned for FY2017).

The second study took a broader approach to identify the root problems of supply unreliability covering the areas of asset condition, system design/operation/ maintenance, and contingency planning of supplies with a focus on bulk supply points to THESL and the distribution of power from these points of supply in an integrated manner. In addition, the study examined the reliability of supply and the investment planning process in other major cities and make improvement recommendations for both THESL and HONI. The study was completed in the tax year. A 2nd subcontractor contributed to this study's activities. A final report covered 3 major components, i.e. reliability of supply, the investment planning process, and key implementation considerations. Business plan and engineering feasibility would be subsequently pursued

After the release of the Ontario Climate Change Action Plan, an in-house study was performed of the impact of such a plan on Toronto's overall peak demand. The study included the adoption of electric vehicles, further electrification of mass transit, increased solar generation, conversion of natural gas heating to electric heat pumps, and conversion of natural gas water heaters to electricity.

Further internal study was undertaken to assess the impacts of the above factors on a seasonal basis rather than on a yearly basis as well as the impacts on an hourly load profile basis.

Contracted resources, listed below, worked as an integral part of the development teams.

246 What scientific or technological advancements did you achieve or attempt to achieve as a result of the work described in line 244? (*Maximum 50 lines*)

THESL sought in general terms, to gain more knowledge about how to plan for increasing its distribution system capacity and sources of power supplies in a cost effective manner in the face of severe physical constraints and changing circumstances. Electricity system planning in Ontario is conducted at 3 levels: bulk transmission system planning, regional system planning and distribution system planning. The OPA is responsible for the first level, and leads the effort in the second with the active participation of transmitters and distributors. The third level is led by distributors. More specifically the advances were to increase the knowledge and know-how behind the main options and key variables in the quest to increase bulk electricity supply to downtown Toronto, in a more reliable cost effective manner, and which examines the use of non-traditional contributions from distributed generation and demand management options and to improve long term planning techniques for supplies of different kinds and determining infrastructure needs. Furthermore, the impact of the Ontario Climate Change Action Plan are now known to increase winter peak demand in a way that would closely resemble summer peak demand and that on a system wide basis, it is now understood that peak demand will be shifted in time on a peak day to the interaction of decreased solar generation at the time of increased electric vehicle charging. These learnings on a system wide basis are guiding the development of a study for a small area forecast to be performed in 2017, closely aligned to the physical power system, the impact of the factors seen on a system wide basis due to the Ontario Climate Change Action Plan.

Section C – Additional project information

Who prepared the responses for Section B?

253 1 [X] Employee directly involved in the project	**254** Name [redacted]			
255 1 [ ] Other employee of the company	**256** Name			
257 1 [X] External consultant	**258** Name Deloitte LLP	**259** Firm Deloitte LLP		

List the key individuals directly involved in the project and indicate their qualifications/experience.

260 Names	**261** Qualifications/experience and position title
1 [redacted]	[redacted]
2 [redacted]	[redacted]
3 [redacted]	[redacted]

265 Are you claiming any salary or wages for SR&ED performed outside Canada? . . . . . 1 [ ] Yes 2 [X] No

266 Are you claiming expenditures for SR&ED carried out on behalf of another party? . . . . . 1 [ ] Yes 2 [X] No

267 Are you claiming expenditures for SR&ED performed by people other than your employees? . . . . . 1 [X] Yes 2 [ ] No

If you answered **yes** to line 267, complete lines 268 and 269.

268 Names of individuals or companies	**269** BN
1 NAVIGANT CONSULTING LTD.	[redacted]

What evidence do you have to support your claim? (Check any that apply)
You do not need to submit these items with the claim. However, you are required to retain them in the event of a review.

270 1 [X] Project planning documents	**276** 1 [X] Progress reports, minutes of project meetings
271 1 [X] Records of resources allocated to the project, time sheets	**277** 1 [ ] Test protocols, test data, analysis of test results, conclusions
272 1 [ ] Design of experiments	**278** 1 [ ] Photographs and videos
273 1 [X] Project records, laboratory notebooks	**279** 1 [ ] Samples, prototypes, scrap or other artefacts
274 1 [ ] Design, system architecture and source code	**280** 1 [X] Contracts
275 1 [ ] Records of trial runs	**281** 1 [X] Others, specify **282** Invoices, emails, reports

Part 2 – Project information (continued)

Project number **5**

CRA internal form identifier 060

Complete a separate Part 2 for each project claimed this year. Code 1501

Section A – Project identification

200 Project title (and identification code if applicable)

P3A: Underground Gas Transformer Station Design

202 Project start date	**204** Completion or expected completion date	**206** Field of science or technology code (See guide for list of codes)
2010-02 (Year Month)	2017-03 (Year Month)	2.01.01 Civil engineering

Project claim history

208 1 [X] Continuation of a previously claimed project **210** 1 [ ] First claim for the project

218 Was any of the work done jointly or in collaboration with other businesses? . . . . . 1 [ ] Yes 2 [X] No

If you answered **yes** to line 218, complete lines 220 and 221.

220 Names of the businesses	**221** BN
1	

Section B – Project descriptions

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

This project encompasses the design activity for an Underground Gas Transformer Station Design in a small constrained construction site location adjacent to a heritage building (the Toronto Roundhouse). More details on the back ground for this project can be found at: http://www.torontohydro.com/sites/electricsystem/powerup/copelandstation/pages /copelandstation.aspx.

The objectives that the detailed design had to meet were: (1) Flexibility and space to accommodate equipment voltage upgrading from an initial 115kV to 230kV, (2) Facilitation of TS development and operation in an environmentally sustainable manner, (3) Incorporation of green energy to power station auxiliaries and other strategies to reduce carbon footprint, and of safety-by-design features, and (4) Complete avoidance of any impact on the foundations and above grade structures of all facilities adjacent to the site, and also being architecturally compatible with these facilities.

The obstacles THESL had to address during the project duration, and attempt to resolve during the year included: The underground station configuration to include all the equipment necessary and accommodate Hydro One owned HV switch gear (S/G) on the same restricted site.

Determining with HONI the preferred supply arrangements for the new TS and what cross-sectional detailed design could be used to carry 4 circuits in a supply tunnel.

Whether or not the cables supplying the new TS would have to be cooled and how this capability could be provided within a tunnel of a nominal 3m in internal diameter, 600m long, 30m below street level

How to develop a design and construction approach for a fixed shoring wall with no tie-backs that would support both the 600m tunnel as well as the transformer station.

(How to design and build 100 ft mine shafts under the station floor to connect the tunnel to the station while achieving mining construction requirements.

The original design incorporated pre-cast shaft-liners, however during construction we recognized that this approach couldn't be used because of safety reasons (mining regulations). We needed to work with our consultants to determine how to achieve this, as it has never been done before.

How to improve the constructability of the station floor using a modified pour

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

-strip design in an effort to reduce the time required to pour.
How to develop a venting approach or method to deal with the challenges if the transformer gas (SF6) leaks (in an underground station).
We encountered a large obstacle in the side of the shoring wall part-way through construction. Needed to develop a design approach to overcome this challenge.
Have the historical machine shop on the site - which was going to be dismantled and re-built during construction - could be upgraded by design to serve as a post disaster building and retain all existing heritage features of the existing building.
Systematic uncertainties were encountered in the course of development as methods to resolve individual obstacles would form competing demands with other obstacles.

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

The project team continued to meet on a daily basis to review progress, discuss emerging issues, examine failure modes and technical direction. Civil and Electrical Engineering systematic development required regular review meetings for teams including: technical coordination, cable installation, protection teams, asset management planning, telecommunications and other co-development technical teams. Frequency of weekly technical meetings increased as the project progressed from design review meetings of civil engineering to electrical design coordination meetings focused on discussion of electrical design issues. Technical meetings-'equipment coordination meetings'-generally dealt with the installation, testing and commissioning phase for major electrical equipment such as Toshiba Gas-Insulated Transformers, ABB MV Air-Insulated Switchgear, Siemens MV Gas-Insulated Switchgear, and Siemens HV Gas-Insulated Switchgear.

Previously, requirements for supply tunnel cooling were confirmed by a 3rd party study funded by HONI. The HONI room (for HV GIS) was completed in 2016 and the switchgear is expected to be installed, tested and commissioned in 2017.

OEB approved the project and contracts were awarded to TS - tunnel construction and large equipment orders were made. The project was delayed with a new service date initially set for FY2016 but further delays were incurred and the latest forecast is for full testing/commissioning completion in FY2018. Some of the major electrical equipment was placed in storage in FY2014, FY2015 and portion of FY2016, with most of them were delivered to site by end of FY2016. Installation, testing and commissioning of the delivered major electrical equipment commenced in FY2016 and is expected to continue into FY2017. A third party contractor was selected for integrated testing and commissioning in FY2015 and installation and testing work was carried out in FY2016 and will continue until FY2018. Overall, construction is expected to be completed by end of FY2017, with energization expected in FY2018.

Station excavation was completed and steel and concrete work began for the station (building) portion in FY2014. In FY2015 specialized the Tunnel was completed as were the underground transformer station structure (vertical walls, mezzanine and roof). Commencement of above-roof two-floor Machine Shop structure began in 2015. Most of the Machine Shop walls and floor slabs were completed in 2016, with steel, roof, and heritage bricks work forecasted for 2017.

In an effort to improve constructability of our original design approach,

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

studies and new approaches would be modified as construction is underway to accommodate challenges encountered onsite. Structural building design revisions to incorporate updated specifications of major equipment (gas-insulated transformer, high voltage gas-insulated switchgear, medium voltage gas-insulated switchgear, medium voltage tie-switch, protection & control). In particular, building design had to be modified to accommodate base plates for major equipment. Structural design revisions to overcome on-site challenges with waterproofing, steel rebar congestion, and concrete forming were also considered. Destructive sample testing was performed to address ongoing concerns and remediation techniques were explored.

Detailed electrical designs were reviewed and modifications considered. Changes to Tie Breaker capacity and cable capacity to allow for additional flexibility for the medium voltage switchgear was undertaken and Rely protection considered. Identified the need to recognize pilot wire customers. A modified cable racking design concept was devised to attempt to compensate for a large amount of medium voltage cable in the station (ongoing through 2016) In additions, in order for the cable to connect to the gear adapter/termination concepts had to be developed. Redundancy measures for a hardened RTU (Remote Terminal Unit) were also considered.

Three main subcontractors assisted us with the detailed design and development activities for this project: One was responsible for the new Transformer Station design and designing renovations and upgrades to the historic machine shop (IBI Group), the second for the tunnel through which power supplies would flow to the new TS (MMM Group); and both of these subcontractors were supported by Isherwood who was the shoring consultant that worked with us to design develop the shoring/caisson walls. Other subcontracted activity involved Kinectrics, who was hired to carry out full thermal performance testing for tunnel cable conduits. The third-party testing and commissioning contractor, K-tek, oversaw testing and commissioning of the major ABB, Siemens, and Toshiba electrical equipment. Metsco also assisted us in development activity.

In FY2016, due to their immense weight, the delivery of the Toshiba GIT transformers required comprehensive technical analysis to ensure they could be transported safely over a TTC tunnel beneath an existing road in downtown Toronto. Deflection monitors were deployed to monitor the tunnel during the delivery of the transformers. The final delivery to site required a tandem (dual) crane lift and the concrete floors required significant reshoring. Later when the transformers were being assembled, prior to filling the tanks with SF6 gas, detection and monitoring systems for gas insulation was deployed, along with leak control, spill and mitigation plans.

Ahead of major electrical equipment installation, seismic design analysis of the room structure was performed to ensure seismic requirements were met. Furthermore, HV and MV cable pulling work commenced in late FY2016.

246 What scientific or technological advancements did you achieve or attempt to achieve as a result of the work described in line 244? (*Maximum 50 lines*)

THESL needed to increase its knowledge and know-how of TS detailed design - to the most stringent applicable standards - and of construction practices that would be required to build and commission a one-of-a-kind, below grade indoor TS (with gas-insulated transformers) on a unique constrained site to facilitate additional bulk electricity supply and transformer capacity for downtown Toronto. This project involved the development of the first

underground TS that used gas-insulated transformers, and the industry will now be able to use our advancements as a starting point for future designs.

Some of the key technological advancements achieved in 2016 were as follows:

1. Development of all the design approaches to overcome the obstacles listed above and achieve the project objectives to include all the equipment necessary and accommodate Hydro One owned HV switch gear (S/G) on the same restricted site in an underground TS.

2. Development of a unique design and construction approach for a fixed shoring wall with no tie-backs that could support both the 600m tunnel as well as the transformer station 100 ft underground, and divide the two projects into separate construction projects for regulatory (Safety) purposes.

3. New methods to improve the constructability of the station floor using a modified pour-strip design in an effort to reduce the time required to pour.

4. Development of a unique venting approach to deal with the challenges if the transformer gas (SF6) leaks (in an underground station) - this continued into 2015 and extended into 2016.

5. Understanding how to modify the shoring wall design to overcome a large obstacle (cement) in the side of the shoring wall part-way through construction.

Other engineering concept and method advancements would be devised as a result of systematic obstacles encountered in the course of the development process.

Section C – Additional project information

Who prepared the responses for Section B?

253 1 [X] Employee directly involved in the project	**254** Name [redacted]		
255 1 [ ] Other employee of the company	**256** Name		
257 1 [X] External consultant	**258** Name Deloitte LLP	**259** Firm Deloitte LLP	

List the key individuals directly involved in the project and indicate their qualifications/experience.

260 Names	**261** Qualifications/experience and position title
1 [redacted]	[redacted]
2 [redacted]	[redacted]
3 [redacted]	[redacted]

265 Are you claiming any salary or wages for SR&ED performed outside Canada? . . . . . 1 [ ] Yes 2 [X] No

266 Are you claiming expenditures for SR&ED carried out on behalf of another party? . . . . . 1 [ ] Yes 2 [X] No

267 Are you claiming expenditures for SR&ED performed by people other than your employees? . . . . . 1 [X] Yes 2 [ ] No

If you answered **yes** to line 267, complete lines 268 and 269.

	268 Names of individuals or companies	**269** BN
1	IBI GROUP	[redacted]
2	KINECTRICS NORTH AMERICA INC.	[redacted]
3	METSCO ENERGY SOLUTIONS INC.	[redacted]
4	MMM GROUP LIMITED	[redacted]

What evidence do you have to support your claim? (Check any that apply)
You do not need to submit these items with the claim. However, you are required to retain them in the event of a review.

270	1	[X]	Project planning documents		
271	1	[X]	Records of resources allocated to the project, time sheets		
272	1	[ ]	Design of experiments		
273	1	[X]	Project records, laboratory notebooks		
274	1	[X]	Design, system architecture and source code		
275	1	[ ]	Records of trial runs		
276	1	[X]	Progress reports, minutes of project meetings		
277	1	[X]	Test protocols, test data, analysis of test results, conclusions		
278	1	[X]	Photographs and videos		
279	1	[ ]	Samples, prototypes, scrap or other artefacts		
280	1	[X]	Contracts		
281	1	[X]	Others, specify	282	Invoices, emails, reports

Part 2 – Project information (continued)

Project number **6**

CRA internal form identifier 060

Complete a separate Part 2 for each project claimed this year. Code 1501

Section A – Project identification

200 Project title (and identification code if applicable)

P4: Improved Grid Solutions

202 Project start date	**204** Completion or expected completion date	**206** Field of science or technology code (See guide for list of codes)
2010-03 (Year Month)	2017-12 (Year Month)	2.02.01 Electrical and electronic engineering

Project claim history

208 1 [X] Continuation of a previously claimed project **210** 1 [ ] First claim for the project

218 Was any of the work done jointly or in collaboration with other businesses? . . . . . 1 [ ] Yes 2 [X] No

If you answered **yes** to line 218, complete lines 220 and 221.

220 Names of the businesses	**221** BN
1	

Section B – Project descriptions

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

The capability to deploy/implement a range of Smart Grid (SG) concepts/technologies across THESL's grid to transition it to one that has a fully intelligent infrastructure with: Compatible, durable and reliable equipment with built-in sensing and intelligent electronic devices for monitoring, fault diagnosis, and self-restoration; Fail-safe, robust, fast, high band-width, 2-way advanced communications from customers to the grid control centre; Centralized monitoring & control utilizing integrated databases for customer information, for asset records including their geographic locations, for the management of outages, for grid operations and for making physical changes to the grid infrastructure; Informed & intelligent operators & customers regarding electricity use and the assets for local generation, distribution & storage and initiatives to facilitate wise consumption for system-wide benefits; and unrestricted capability to accommodate, plug-in hybrid (PH) electric vehicles (EV), battery only EVs, distributed generation (DG), and energy storage devices. The obstacles faced in 2016 were:

-Meter-ready transformers failed tests leading to design changes. (In previous fiscal periods, outages from failures of pole top mounted units with ongoing TM were reviewed. However, in only one case had the unit been overloaded for a relatively long time prior to failure. TM data analytics work continued in FY16 to gain greater insight into transformer failures.

- Uncertainty of data analytics tools to extract and analyze information.

-The extent to which the benefits expected from the pilot field trial of PLMs were being realized. THESL wanted pilot implementation to lead to: (A) Better management of O/H assets and improved reliability, (B) Significant customer-minutes-out improvements by reporting outages to the control room (C) Reduction of momentary outages.

-Intelligent node implementation at Exhibition Place generation sites did not have telecommunications to meet utility grade cyber-security requirements or permit access and integration into utility SCADA system. In addition, significant technical challenges were encountered in implementing an intelligent node in the Strachan TS station. Using new secure routers and adapting THESL cellular private network for the purpose, secure communications were achieved. In addition, creative use of approved THESL intelligent electronic devices provided a means of installing the intelligent node at Strachan TS without having to modify the 13.8 kV buswork. Other uncertainties emerged in the course of development as a result of systematic challenges.

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

38.
39.
40.
41.
42.
43.

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

1.
2. In this fiscal period, progress continued to be made with design of a unit
3. with integral plug-in connection. Failures were encountered and a design
4. change process continued. 1st-phase prototypes built in the previous period
5. were tested. The new design passed all the tests as documented in the test
6. plan.
7.
8. Monitoring of pole top mounted 1-phase transformers continued. When the
9. existing tool stopped working, Toronto Hydro investigated options and decided
10. to develop in-house scripts to replace the tool leading to faster data
11. extraction and analysis. Customized Project Reports summarizing the options,
12. implementation strategy and results continue to be prepared. (Transformer
13. monitoring: 5800 units installed - with roughly 4000 working presently).
14.
15. 102 PLM purchases and greater insight into the causes of outages were
16. observed. Detailed real-time profiles could be generated - an ability to
17. observe 'profile signatures' was possible. A signature profile study was
18. conducted. TH will explore the harmonization of legacy communication systems
19. in the next fiscal period (to attempt to improve the fidelity of the PLM
20. monitors and data generation). Development remains ongoing.
21.
22. Intelligent Nodes were installed at Exhibition Place Wind Turbine Building,
23. Horse Palace, and Agricultural Center. The central intelligent node has been
24. moved to the Point of Presence room at 500 Commissioners. All data was
25. processed at an alternate server at Prolucid's office. TH approved routers
26. were installed and data sent via TH Rogers APN to the central intelligent node
27. - network configurations and security clearances are complete for data
28. transfer over TH network. Development continued with TH approved routers and
29. locks to ensure robust pathways to central communications - concepts involved
30. re-purposing Closed-Circuit systems to attempt to achieve cyber-compliant
31. connections. Communication faults were encountered since simultaneous
32. replacement of the routers was not possible - a bridging solution was devised.
33. Hard drive modifications were also required to improve functionality. TH and
34. Prolucid developed algorithms to gather generation output data to attempt to
35. refine energy distribution and output. Detailed reports were subsequently
36. generated.
37.
38.
39. In previous fiscal periods solutions for monitoring padmount and submersible
40. transformers from various vendors were evaluated and a selection was made to
41. proceed with a pilot. Instead of moving to a field trial directly, it was
42. decided that end-to-end integration be performed in the Solutions Development
43. Centre to identify technical challenges. The vendor was engaged and a test
44. kit was designed to demonstrate the technology in the Solutions Development
45. Centre.
46.
47.
48. Power Line monitoring through older generation Wi-Fi CDMA data collectors are
49. becoming obsolete. TH is now investigating migrating data and assessing in new

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

generation Wi-Fi. TH may internalize the process to attempt to bring
intelligence to a more comprehensive integrated system. All CDMA were re-
located -Transformers were on a broader smart grid, while the Powerline
monitors were targeted for lines with reliability or repeatable concerns to
attempt to ensure rapid restoration. Development will continue with the
exploration of diagnostic methodologies in the next fiscal period.

246 What scientific or technological advancements did you achieve or attempt to achieve as a result of the work described in line 244? (*Maximum 50 lines*)

In previous fiscal periods and during FY 16, transformer monitoring (TM)
continued for 1-phase pole top mounted units on an extended basis. TM data
extraction and analytics were improved by creation of in-house developed
scripts.
The Power Line Monitors (PLM) pilot was expanded and additional PLMs were
chosen to be installed in the field at 34 locations for installation early
2015. Data from the Power Line Monitors was analyzed to identify new
signatures and develop use cases for Planning, Control Room and Power Quality
teams.
The Intelligent Node project with Prolucid Technologies tapered. Security
issues that had previously disallowed coordination and control by locally
positioned intelligent devices without a centralized controller was overcome
by CC technologies and pathway strategies. 6 Intelligent Nodes (four at
Exhibition Place, one at 500 Commissioners, and one at Strachan TS) were
installed. Data from the Intelligent Nodes was validated and improvements were
made to the data viewer. Cyber-compliance and further algorithm refinements
were devised.
Additional advancements were sought in the course of development as obstacles
were encountered in power line and transformer communication methodologies.

Section C – Additional project information

Who prepared the responses for Section B?

253 1 [X] Employee directly involved in the project

254 Name [redacted]

255 1 [ ] Other employee of the company

256 Name

257 1 [X] External consultant

258 Name: Deloitte LLP

259 Firm: Deloitte LLP

List the key individuals directly involved in the project and indicate their qualifications/experience.

260 Names	**261** Qualifications/experience and position title
1 [redacted]	[redacted]
2 [redacted]	[redacted]
3	

265 Are you claiming any salary or wages for SR&ED performed outside Canada? . . . . . 1 [ ] Yes 2 [X] No

266 Are you claiming expenditures for SR&ED carried out on behalf of another party? . . . . . 1 [ ] Yes 2 [X] No

267 Are you claiming expenditures for SR&ED performed by people other than your employees? . . . . . 1 [ ] Yes 2 [X] No

If you answered **yes** to line 267, complete lines 268 and 269.

268 Names of individuals or companies	269 BN
1	

What evidence do you have to support your claim? (Check any that apply)
You do not need to submit these items with the claim. However, you are required to retain them in the event of a review.

270	1	X	Project planning documents		
271	1	X	Records of resources allocated to the project, time sheets		
272	1		Design of experiments		
273	1	X	Project records, laboratory notebooks		
274	1	X	Design, system architecture and source code		
275	1	X	Records of trial runs		
276	1	X	Progress reports, minutes of project meetings		
277	1	X	Test protocols, test data, analysis of test results, conclusions		
278	1	X	Photographs and videos		
279	1		Samples, prototypes, scrap or other artefacts		
280	1		Contracts		
281	1	X	Others, specify	282	Emails & Invoices

Part 2 – Project information (continued)

Project number **7**

CRA internal form identifier 060

Complete a separate Part 2 for each project claimed this year. Code 1501

Section A – Project identification

200 Project title (and identification code if applicable)

P5: Downtown network reliability improvements

202 Project start date	**204** Completion or expected completion date	**206** Field of science or technology code (See guide for list of codes)
2010-01 (Year Month)	2017-12 (Year Month)	2.02.01 Electrical and electronic engineering

Project claim history

208 1 [X] Continuation of a previously claimed project **210** 1 [ ] First claim for the project

218 Was any of the work done jointly or in collaboration with other businesses? . . . . . 1 [ ] Yes 2 [X] No

If you answered **yes** to line 218, complete lines 220 and 221.

220 Names of the businesses	**221** BN
1	

Section B – Project descriptions

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

1. THESL's network distribution system, used in the downtown core, is the most
2. reliable distribution system in use in the city of Toronto. Most feeder and
3. equipment failures do not result in any interruption to customers. In certain
4. circumstances, some failure modes may result in widespread, long duration
5. service interruptions. The most important of these failure modes involves
6. catastrophic equipment failures that result not only in the destruction of the
7. equipment in the vault, but often damage the civil structure of the vault as
8. well. In the previous years THESL has been refining its network protector
9. design. Recently, in order to consolidate several items a single dual voltage
10. submersible protector was developed.
11.
12. The obstacles THESL faced and overcame during the year include the following:
13. (1) Develop a submersible case for the network protector that is no taller,
14. wider or deeper than the existing ventilated case designs;
15. (2) Investigate alternative silver-sand current limiting fuses and alloy type
16. fuses. Fuses had to be compatible with submersible case designs and coordinate
17. with the variety of transformers that could be paired with the protectors;
18. (3) If alloy type fuses were selected, any arc products discharged during
19. operation must not result in fault currents transferring to protector case
20. ground. The much greater arc energy available for protectors connected to
21. large size 433Y/250V transformers were of particular concern;
22. (4) Develop the necessary step-down transformation to allow the protector to
23. operate at both 216Y/125V and 433Y/250V. The previous design developed for the
24. stand alone network protector interfered with the protector mechanism lifting
25. facilities, requiring partial teardown prior to lifting the mechanism. The new
26. design must eliminate this problem;
27. (5) The position of the network protector operating handle must be compatible
28. with sizes, manufacturers and vintages of network transformers. THESL has
29. historically had interference problems with some combinations of network
30. protectors and transformers;
31. (6) Continued development and improvement of the SCADA remote monitoring and
32. operating system for the network protector was required. In particular the
33. junction box connecting the remote sensors to the network protector is very
34. difficult for crews to work on.
35.
36. Other systematic uncertainties would be encountered through the development
37. process and techniques and concepts to overcome potential failure modes would

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

38. be explored.

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

1. Development in attempts to overcome the obstacles THESL faced in FY2015
2. included:
3.
4. (1) Submersible case development: Modifications to the lifting brackets were
5. made due to clearance issues - roll-out arm bolts were redesigned without
6. compromising function. We also standardized the height of the mechanism so
7. that it was interchangeable with existing network protectors (many variations
8. of protector internal mechanism (CM-22) were devised - this concept was to be
9. universal but a limited number of adapters were required - the activity
10. carries over into FY2015). New gasket configurations were explored and a load
11. brake primary switch concept for the network transformers was devised and
12. tested in FY2015. (now considered complete).
13.
14. (2) Alternative silver-sand current limiting fuses and alloy type fuse
15. development: Ground leakage current tests failed with original design. A
16. concept with a barrier was conceived and was tested with mixed, yet
17. satisfactory, results. (now considered complete).
18.
19. (3) Alloy type fuses development: THESL attempted to identify fuse types and
20. determined a narrow range to protect transformers yet still allow for
21. transformer operation at near overload conditions. Final testing was completed
22. and the development portion of this activity has ended. However, in FY2016 -
23. we developed fuse and cable limiter for 600V applications.
24.
25. (4) Step-down transformation to allow the protector to operate at both
26. 216Y/125V and 433Y/250V: The original concept electrically worked but was not
27. mechanically adequate. Work on the mechanisms to attempt to achieve the
28. desired performance remained ongoing. (now considered complete).
29.
30. (5) The position of the network protector: Experimented with a small chassis
31. size that would hypothetically fit in all protectors. An engineered adapter
32. bus was designed to attempt to work with all vintages identified. A universal
33. mechanism to attempt to enable incremental re-installation was also devised.
34. Retro-fit concepts were devised as the universal mechanism was not entirely
35. effective for all applications - development remains ongoing. Small chassis
36. testing will commence in the future fiscal period. This was ongoing in through
37. FY2016 and may extend into FY2017.
38.
39. (6) Continued development and improvement of the SCADA remote monitoring and
40. operating system for the network protector was required. Obstacles were
41. encountered when attempting to deploy a fibre system that was intended to be
42. compatible with existing technologies. A revised concept involving developing
43. a hybrid fibre / radio link data transfer method was considered. The concept
44. is believed to be an economical method to provide communications throughout
45. the city service zone without deploying a singular expensive fibre link. Proof
46. of concept of the radio equipment and new fibre topology would be explored.
47. Work performed on fibre technology in FY2016 - radio trials planned for
48. FY2017/2018.
49.
50. Other inter-related development activities included: Development of a portable
51. transformer phase testing device for use with 600V circuits [completed in
52. FY2016]; fully electronic relays have been found to hesitate when de-energized
53. as a result of emulated performance of mechanical devices - preliminary
54. exploration of electronic relays with improved performance in extreme

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

operations has begun - development involved real time monitoring and control of dual radial switch gear automation (DRA) and a remote operation terminal (Beta-testing in FY2016) [ongoing in FY2016 and extends into FY2017]; and development of feed systems at 347Y/600V will allow for services to larger / taller downtown buildings - mag-brake primary switch development was undertaken to attempt to improve power interruption events and enable remote network control [Eaton visovac vacuum switch investigated in place of the mag- brake - investigated in FY2016 and will be piloted in FY2017].

Other items FY2016:
- 600V network - development items: antler design for the protectors, upper link box design, revised communication support (primary and secondary monitoring operations) - experimentation, testing and validation ongoing into FY2017.
- Communication system - revisions to box, radial line to loop design - applicable to 600V and existing network enhancements.
- 600V network test box to be developed in FY2017.

246 What scientific or technological advancements did you achieve or attempt to achieve as a result of the work described in line 244? (*Maximum 50 lines*)

THESL undertook to develop equipment to address the continuing problems with the less common, but higher risk, "high voltage" 433Y/250 Volt network protectors. THESL's existing designs of 433Y/250 Volt network protectors are compact, ventilated, and use silver-sand current-limiting fuses. Existing network vault designs are the smallest that can fit existing equipment and provide minimally adequate working space. The new network protectors developed had to be of submersible design, no larger than the existing ventilated protectors, and requiring no more working space than the existing protectors. THESL presently has three standard sizes of network protector, 1875A, 3000A and 3500A in each of two voltage classes, 216Y/125V and 433Y/250V. This requires THESL to maintain an inventory of six different network protector types. A final desired advancement was to develop two standard network protectors that could replace all six existing stocked varieties. This added an additional requirement for the protectors to be of dual-voltage design, with ratings of 1875A and a new "large frame" protector rated for use at both 3000A and 3500A. These two new network protector developments had to be able to replace all existing transformer mounted network protectors, with improved durability, tolerance to adverse environmental conditions, safety, utility, maintainability, protection coordination, combined with remote monitoring and control capabilities. Other advancements would be derived from testing new concepts and methodologies encountered in the course of the development process.

Section C – Additional project information

Who prepared the responses for Section B?

253 1 [X] Employee directly involved in the project	**254** Name [redacted]		
255 1 [ ] Other employee of the company	**256** Name		
257 1 [X] External consultant	**258** Name Deloitte LLP	**259** Firm Deloitte LLP	

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3 [redacted]	[redacted]

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267 Are you claiming expenditures for SR&ED performed by people other than your employees? . . . . . 1 [ ] Yes 2 [X] No

If you answered **yes** to line 267, complete lines 268 and 269.

268 Names of individuals or companies	**269** BN
1	

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271 1 [X] Records of resources allocated to the project, time sheets

272 1 [ ] Design of experiments

273 1 [X] Project records, laboratory notebooks

274 1 [ ] Design, system architecture and source code

275 1 [X] Records of trial runs

276 1 [X] Progress reports, minutes of project meetings

277 1 [X] Test protocols, test data, analysis of test results, conclusions

278 1 [ ] Photographs and videos

279 1 [ ] Samples, prototypes, scrap or other artefacts

280 1 [ ] Contracts

281 1 [X] Others, specify **282** Invoices and Emails

Part 2 – Project information (continued)

Project number **8**

CRA internal form identifier 060

Complete a separate Part 2 for each project claimed this year. Code 1501

Section A – Project identification

200 Project title (and identification code if applicable)

P6: Distribution system design standards development

202 Project start date	**204** Completion or expected completion date	**206** Field of science or technology code (See guide for list of codes)
2011-01 (Year Month)	2016-12 (Year Month)	2.02.01 Electrical and electronic engineering

Project claim history

208 1 [X] Continuation of a previously claimed project **210** 1 [ ] First claim for the project

218 Was any of the work done jointly or in collaboration with other businesses? . . . . . 1 [ ] Yes 2 [X] No

If you answered **yes** to line 218, complete lines 220 and 221.

220 Names of the businesses	**221** BN
1	

Section B – Project descriptions

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

THESL has sets of existing technical specifications and standards for the equipment, materials and construction methods for both the underground and the overhead portions of its overall power distribution network/grid. For the past few years THESL has been subjected to increasing regulatory scrutiny by the OEB and interveners participating in OEB proceedings. Such scrutiny extends to design standards, equipment & materials specifications, and construction practices. THESL therefore needed to know the degree to which THESL's distribution standards differed from those of similar LDCs and where differences existed whether or not they were justified given the unique characteristics of Toronto and THESL. Experimental development involved a number of studies performed with specific uncertainties listed below. The uncertainties THESL faced were as follows:

(1) How could it show the regulatory authorities that its technical design standards, equipment & materials specifications, and construction practices were comparable to those of other peer LDCs serving a mix of suburban & high density urban load, and where differences existed, why they were justifiable;

(2) An evaluation of currently available new equipment that can potentially be incorporated within underground residential distribution (URD) system within the downtown core;

(3) The identification of asset classes predominantly involved with forced outages, and whether or not these assets in the field are in full compliance with current existing construction standards, standard practices & equipment specifications;

(4) The upgrades and improvements needed for 2 existing key standard practices for (a) Major Equipment Re-use, and (b) Equipment Failure Analysis Program;

(5) Understanding how the grid was prepared for future expansion and development;

(6) Pole loading is generally non-linear, and no software/modelling tools existing that incorporate all potential scenarios. We sought to develop such a tool;

(7) The impact of wrapping 1 & 3 phase transformers had an unknown impact on heat dissipation and transformer life. A study was required to determine the effects; and

(8) Failures take place in the field, that have unknown causes. We would fully investigate and understand the potential causes of these failures.

Other uncertainties and challenges would emerge from potential failure modes

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

(reliability and repeatability) of evolving complex systematic distribution system concepts and methodologies.

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

In the previous FY trials were performed on a 600A switch which was intended to fit within the confines of the legacy structure - the application was energized and will be tested for reliability and repeatability. The activity extended into FY2016 for adjacent 200A cascading systems. New infrastructure was considered and evaluated to replace obsolete 80E fusing suitable for the confined environment. Ongoing corrosion issues are being mitigated through selection of marine grade steels and recommendations in maintenance practices to minimize system impact.

RTU / SCADA box -system harmonization [Quatric]. Wide ranging applications of RTU and SCADA infrastructure sees conflicting requirements on RTUs across the system. The specification ensures consistency across interface, communications, mounting, power supply, ports etc. that will see improved support and compatibility across the network.

Reclosers - In 2016, several scenarios of how reclosers could be best utilized on the Toronto Hydro grid to increase system reliability were explored. The utilization of reclosers were further analysed through a research project at the Centre for Urban Energy (CUE) at Ryerson.

Analysis of the assessment data showed just 6 asset categories contributed to 80% of forced outages caused by defective equipment. THESL developed the requirements to conduct field operational audits of these assets, which would also involve visual and thermal inspections. Field inspections of the various assets continued into FY2016.

LED technology was tested and new lighting standards developed. A remote control and monitoring system for street lighting was tested and installed as part of a pilot project. Issue with Correlated Colour Temperature (CCT) of the LED luminaires were encountered.

The development of a web-based tool that can analyze all pole loading analysis components continued. A revision to the tool was developed in 2016 to add additional features.

Development of chamber lid concepts with energy mitigating mechanism to resolve displacement of lids during cable chamber explosions. The lid has gone through numerous design revisions to eliminate all identified risks, issues and concerns.

Dynamic cable management philosophies were devised to attempt to use factors other than merely age to determine the health of the cable system - new tools and concepts would be developed based on the data collected and information gained. In 2016 we completed the mechanism complete with testing using data from the last 15 years to predict results of the 16 years and then cross reference those results with actuals to determine accuracy of the mechanism.

Climate Adaptation - execution of roadmap in FY2016. Initiatives completed include climate data validation, load forecasting sensitivity, major equipment specifications review, risk map development and lightning mapping. Two studies

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

were completed. New assets that are water resistant (Solid Insulation Transformers) were purchased. Grid emergency management - a study was completed to determine alternate methods to re-route power in an emergency situation.

Grounding study performed to attempt to improve conditions - In 2016, several installations of pad-mount equipment that could not meet construction grounding standards were brought to the attention of the Standards group. Primarily, this included installations above parking foundations or in boulevards where clearance to other utilities could not be maintained. Standards group initiated a study to develop alternative grounding standards. This work is continuing in 2017.

Drainage systems for transformers - Report 98% done. Final revision in progress.

Equipment wrapping - investigation to wrap the equipment in foliage / canvas to improve asset masking - report [METSCO - 'Investigation of Easthetic Appearance of Pad Mounted Transformers' (16-167-001-RV).

Underground infrastructure - Reinforce aging vaults - Civil Structure Additives. Trial test performed and a one year freeze thaw cycle to be performed.

City Place - investigation of equipment failures. In depth evaluation was performed to complete a needs analysis for an engineering lab.

Work continued on the development of a modelling tool (City planning project) to understand how feeders and transformer stations could be affected by future city expansion. Development and testing of the tool in GIS software was conducted with many filtering layers.

Many different subcontractors were used to assist with various studies. Details are listed below in box 268.

246 What scientific or technological advancements did you achieve or attempt to achieve as a result of the work described in line 244? (*Maximum 50 lines*)

Advancements included:
- understanding the degree to which THESL's distribution standards differed from those of similar LDCs and where differences existed whether or not they were justified given the unique characteristics of Toronto and THESL.
- Determine what new equipment could potentially be incorporated into the design standards for this application after appropriate field trials had been held with satisfactory results.
- increased understanding of (1) the asset classes that were the predominant contributors to forced outages, (2) compliance of these assets with current standards/specifications, and (3) how 2 key standard practices could be improved.
- Through development of a modelling tool, we obtained knowledge of how the existing grid might respond to a wide range of future potential development scenarios.
- Developed a web-based tool that can analyze all pole loading analysis components, and developed modified design and construction standards to incorporate the new tool.
- Developed a web-based tool that can voltage drop for both overhead and

19.	underground systems and developed modified design and construction standards
20.	to incorporate the new tool.
21.	- Developed a temperature profile for pad-mounted transformers wrapped with a
22.	graffiti-proof layer under a range of operating conditions.
23.	- Through engineering studies on failed components, we gained knowledge of
24.	potential failure causes for a wide range of equipment (splices, switches &
25.	switchgear).
26.	- Various investigation led to new methodologies and strategies in improving
27.	reliability and repeatability of distribution system assets.
28.	
29.	
30.	

Section C – Additional project information

Who prepared the responses for Section B?

253	1 [X] Employee directly involved in the project	**254** Name [redacted]		
255	1 [ ] Other employee of the company	**256** Name		
257	1 [X] External consultant	**258** Name Deloitte LLP	**259** Firm Deloitte LLP	

List the key individuals directly involved in the project and indicate their qualifications/experience.

260 Names	**261** Qualifications/experience and position title
1 [redacted]	[redacted]
2 [redacted]	[redacted]
3	

265 Are you claiming any salary or wages for SR&ED performed outside Canada? . . . . . 1 [ ] Yes 2 [X] No

266 Are you claiming expenditures for SR&ED carried out on behalf of another party? . . . . . 1 [ ] Yes 2 [X] No

267 Are you claiming expenditures for SR&ED performed by people other than your employees? . . . . . 1 [X] Yes 2 [ ] No

If you answered **yes** to line 267, complete lines 268 and 269.

268 Names of individuals or companies	**269** BN
1 LVM, A DIVISION OF ENGLOBE CORP.	[redacted]
2 METSCO ENERGY SOLUTIONS INC.	[redacted]
3 SNC-LAVALIN INC.	[redacted]

What evidence do you have to support your claim? (Check any that apply)
You do not need to submit these items with the claim. However, you are required to retain them in the event of a review.

270 1 [X] Project planning documents		**276** 1 [X] Progress reports, minutes of project meetings	
271 1 [X] Records of resources allocated to the project, time sheets		**277** 1 [X] Test protocols, test data, analysis of test results, conclusions	
272 1 [ ] Design of experiments		**278** 1 [X] Photographs and videos	
273 1 [X] Project records, laboratory notebooks		**279** 1 [ ] Samples, prototypes, scrap or other artefacts	
274 1 [ ] Design, system architecture and source code		**280** 1 [X] Contracts	
275 1 [ ] Records of trial runs		**281** 1 [X] Others, specify	**282** Emails, invoices

Part 2 – Project information (continued)

Project number **9**

CRA internal form identifier 060

Complete a separate Part 2 for each project claimed this year. Code 1501

Section A – Project identification

200 Project title (and identification code if applicable)

P7: Developing & applying smart metering systems

202 Project start date	**204** Completion or expected completion date	**206** Field of science or technology code (See guide for list of codes)
2004-07 (Year Month)	2017-12 (Year Month)	2.02.01 Electrical and electronic engineering

Project claim history

208 1 [X] Continuation of a previously claimed project **210** 1 [ ] First claim for the project

218 Was any of the work done jointly or in collaboration with other businesses? . . . . . 1 [ ] Yes 2 [X] No

If you answered **yes** to line 218, complete lines 220 and 221.

220 Names of the businesses	**221** BN
1	

Section B – Project descriptions

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

The overall project objective/advancement sought was the knowledge and capability to be able to deploy smart meters (SM) and Advanced Metering Infrastructure (AMI), Ontario Energy Board (OEB) and Ministry of Energy and Infrastructure specifications compliant, across the THESL distribution network serving about 700,000 customers for automated meter reading of all residential, commercial & industrial customers, with seamless & reliable end-to-end data communications for settlement and billing purposes through a set of IT application tools that performs consistently, and in a stable manner.

Key uncertainties were as follows:
(1) The performance of the application configuration and preferred arrangements to implement smart metering for medium and large C & I customers to bring the SM read data handling in-house instead of relying on external subcontractors;
(2) The performance of the approach chosen in 2010 to implement the Measurement Canada requirement for cumulative readings on all TOU bills;
(3) Integration of other emerging requirements, e. g. for Smart Grid applications, for EV metering, and accommodating the implementation of DG FIT and micro-FIT systems with bi-directional metering;
(4) Whether or not other improvements would be needed for the existing set of S/W tools as an integral part of the technology development, implementation and completion of smart metering for all types of C & I customers;
(5) Stability of suite meter AMI and meter read data for billing; and
(6) Smart Meter AMI system EA_MS will form a legacy system.

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

The new add-on function, Power Status Check (PSC) was developed, tested and added to EA_MS. It allowed operators to ping a group of smart meters to verify power supplies had been restored after an outage has been resolved without logging into EA_MS. Upgrading to attempt to improve the communication methodology was undertaken - a multichannel EA_MS 9 Upgraded with GIS tool (AxisDetect), and Batch Request Tools (Power Status Check, On Request Read, Remote Connect/Disconnect) was pursued. Testing of the fault detection and resolution with geographical data was conducted and utilized Elster Handheld

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

devices for mesh network communication. In FY2016 work would extent to include remote connect/disconnect and batch reader capabilities.

SmartSync meters reached their serviceable life due to of the retirement of Roger's 2G network. These meters will be replaced with Itron Centron LTE meters in 2016 extending through to 2018. In this fiscal period Toronto Hydro completed the requirement specification phase of the MV-STAR (upgrading - live September 2017), MV-90 and MV-WEB (upgrading - live September 2017) upgrade to Itron's new Itron Enterprise Edition (IEE). These new MV-90 version 5 meters will be initially tested in May 2016 - complete - live in November 2016.

Activities to improve small C & I customer billing practices continued from the prior fiscal year. Testing continued throughout with the re-configured ODS, ESB and CC&B to allow the billing of small C & I customers to be made from the SM reads with KWh and KVARh register reads and peak demands - with fully converted meters from manual reads to automated reads in FY2016. By the end of the fiscal period we had implemented small C&I billing with the data collected through smart meters for small C&I customers.

For suite meter rate class implementation as per an OEB directive, THESL had to bill its Quadlogic Site Meter customers using a different rate. A new suite meter rate (RES120) was created and added into CC&B in 2012. A set of complicated rate structures was designed, developed and tested in 2012, and implementation took place in 2013 with further modifications extending through to 2016. In FY2015 THESL upgraded Primeread to attempt to support wireless transponders (converted to 4G in FY2016 with ongoing implementation in FY2017). THESL completed test of the enhancements to communicate with multiple transponders connected in a daisy-chain, to perform ad-hoc export data to ODS, to export register data with mid-night timestamps - modifications completed in early 2016 - complete.

In FY2015 Toronto Hydro implemented new Rogers private apn for metering systems - EA_MS, Primeread and MV90 are all able to communicated to meters with wireless communication capabilities. THESL replaced 1700 smart meter phoneline gatekeepers with 810 pole mount wireless gatekeepers with battery backup - complete. The wireless gatekeepers enables Rex 2 meters to report outages and restorations in real time to the back office system. The outage / restoration event data can be fed to Outage Management System. Event reports were activated to function in 20 wireless gatekeepers for testing - complete. In FY2016, to improve the accuracy and EA_MS system capability to process high volumes of outage information during a significant storm. We are coordinating the installation of an additional 8,000 meters with last gasp capability (3,000 installations completed in 2016 5,000 scheduled for 2017) with our engineering planning department, to ensure that every transformer has a "last gasp" capable meter connected to it. These meters will be identified as bell weather meters used to identify transformer outages.

PrimeStone's AMI Primeread went live in Q2 2013 and more defects were found through testing and analysis. By the end of 2013, there were 32 thousand suite meters read and billed with the data collected through the Primeread. In FY2014 primeread was upgraded with reading capabilities for condominiums and apartment suite meters. The number of commissioned suite meters reached 70 thousand in Primereads at the end of 2016. Upgrading software to v10 in FY2017.

In FY2015 and extending into FY2016 high fidelity Schneider Electric ION meters with wireless communication to MV-90 were examined and tested for integration into the TH system. The power quality data from ION meters are

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

captured through Schneider's Power Monitoring Export (PME) software. Initial development involved testing a dashboard concept to view near real time meter reads for 2 meters installed on 2 Toronto Hydro buildings - complete and ongoing.

ION - 1MW+ customers - additional power quality tools and grid management team...in the event of outage or frequency it can detect faults and potential failure modes - implemented in FY2016 - ongoing through to FY2019. MDMR (meter data management / repository) - integration SME smart meter entity via IESO - expected to go live September 2017 - subsequent Phase II for billing data. MWM - Mobile Workforce Management for metering replacement/installation - tracking system for near-real time work activity developed and initiated in late FY2016. In the future an upgrade of Smart Meter mesh system will be undertaken (Synergy net conversion) a 2020 completion timeframe was proposed.

Contractors: ITRON, PRIMESTONE, OLAMETER, TRILIANT - SUITE METERS, OPTIMA (data reading, set-up of suite meters in condo units) - capitalized equipment contractors.

Labour Sub-contract - Bagg Group: Bob Russel, Troy Martins, Sabrina Wang, Matt Martin contract started January 2017, Elisa Arutiunian , Jason Serano Contract ended January 2017, Joseph Akkarapattiakal Contract started April 2017.

246 What scientific or technological advancements did you achieve or attempt to achieve as a result of the work described in line 244? (*Maximum 50 lines*)

Virtually all residential customers are now on time-of-use (TOU) rates. The related SM systems and practices have stabilized and their development can be considered substantially complete. Residential customer AMI included a suite of IT tools: (1) EnergyAxis Management System (EA_MS), version 7.0, for aggregating/managing readings, fed from collectors (with uploaded meter data) using dedicated wireless communication network, (2) Operations Data Store (ODS), version 6.4, that takes/holds EA_MS and Primeread data in an Oracle database which interfaces with (a) a Customer Care & Billing System, and (b) a customer accessible TOU Website, with IVR through and Enterprise Service Bus (ESB) on a JBoss platform, (3) Cleo VL Trader, interfacing with the IESO's MDM/R system, work in combination with ESB and ODS, (4) MapInfo, a GIS using EA_MS data to track all field SM hardware, and (5) an interface with the Kubra i-docs software tool for ensuring cumulative readings of customers' bills.

Full implementation of PrimeStone's AMI for Quadlogic suite meters - using power line carrier communications within the buildings was somewhat completed, as was the improvement of PrimeStone's AMI functionality, suite metering practices and procedures for medium/large C & I customers. Some work in this area would continue, as would upgrading EA_MS version 7 to 9, and preparing to upgrade large C&I AMI MV systems to IEE. Knowledge would be gained from Primeread enhancements, EA_MS version upgrades, MV systems upgrades, and a Mobile Meter workforce management (MWM) system to automate the process of large volume of meter changes in the coming years.

Section C – Additional project information

Who prepared the responses for Section B?

253 1 [X] Employee directly involved in the project	**254** Name [redacted]			
255 1 [ ] Other employee of the company	**256** Name			
257 1 [X] External consultant	**258** Name Deloitte LLP	**259** Firm Deloitte LLP		

List the key individuals directly involved in the project and indicate their qualifications/experience.

260 Names	**261** Qualifications/experience and position title
1 [redacted]	[redacted]
2 [redacted]	[redacted]
3 [redacted]	[redacted]

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266 Are you claiming expenditures for SR&ED carried out on behalf of another party? . . . . . 1 [ ] Yes 2 [X] No

267 Are you claiming expenditures for SR&ED performed by people other than your employees? . . . . . 1 [X] Yes 2 [ ] No

If you answered **yes** to line 267, complete lines 268 and 269.

268 Names of individuals or companies	**269** BN
1 The Bagg Group	[redacted]

What evidence do you have to support your claim? (Check any that apply)
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271 1 [X] Records of resources allocated to the project, time sheets	**277** 1 [X] Test protocols, test data, analysis of test results, conclusions
272 1 [ ] Design of experiments	**278** 1 [ ] Photographs and videos
273 1 [X] Project records, laboratory notebooks	**279** 1 [ ] Samples, prototypes, scrap or other artefacts
274 1 [X] Design, system architecture and source code	**280** 1 [ ] Contracts
275 1 [X] Records of trial runs	**281** 1 [X] Others, specify **282** Invoices & emails.

Part 2 – Project information (continued)

Project number **10**

CRA internal form identifier 060

Complete a separate Part 2 for each project claimed this year. Code 1501

Section A – Project identification

200 Project title (and identification code if applicable)

P8: Distributed generation (DG) and Protection facilitation

202 Project start date	**204** Completion or expected completion date	**206** Field of science or technology code (See guide for list of codes)
2007-01 (Year Month)	2019-12 (Year Month)	2.02.01 Electrical and electronic engineering

Project claim history

208 1 [X] Continuation of a previously claimed project **210** 1 [ ] First claim for the project

218 Was any of the work done jointly or in collaboration with other businesses? . . . . . 1 [ ] Yes 2 [X] No

If you answered **yes** to line 218, complete lines 220 and 221.

220 Names of the businesses	**221** BN
1	

Section B – Project descriptions

242 What scientific or technological uncertainties did you attempt to overcome? (*Maximum 50 lines*)

For 2016, the uncertainties the project team had to address during the year were as follows:

(1) Developing and finalizing the standard for communication equipment that would maintain distribution system integrity and reliability and allow THESL to monitor/take appropriate corrective action during system contingencies;

(2) Continuing connection impact assessments (CIA) for all proposed DG projects to determine the suitability of connecting to the distribution system;

(3) Developing a forecast of near, medium and long term DG sites that will be connected to the THESL distribution system based on system technology, size and area of connection (station bus and feeder level);

(4) Identifying jurisdictions that operate a distribution system similar to THESL, which have implemented a centralized monitoring and control system for DG sites, and understanding how the similarities and differences could relate to the THESL distribution system;

(5) Identifying solutions that will allow for the integration of additional DG sites to the THESL distribution system (e.g. upgrading station protection systems and installing bus-tie reactors at transformer substations, installing remote communication equipment at DG sites for monitoring and control); and

(6) Developing and specifying a system tool that will enable power system simulation and which interfaces with Toronto Hydro's mapping system and enterprise systems to extract and build a network models for analyzing key parameters needed to assess system conditions.

Additional uncertainties that evolved over the course of development:

-Integrating a growing number and capacity of renewable energy and energy storage projects with the distribution grid

-Interconnecting large customer substations with rotating type generators and designs to improve interface and reliability with distributed generation

-Investigating and analyzing system disturbances impacting utility station protection systems and take corrective action to improve system reliability

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

1.

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

2. Ongoing in this fiscal period DG forecasting methods continued to be
3. developed. To uphold the reliability/integrity of its distribution supply
4. grid, analysis/simulation studies continued to be performed. Power system
5. simulation and modeling studies had shown that distributed generation causes
6. several challenges to the protection of distribution networks - development of
7. a Gateway assessment tool continued with CYME.
8.
9. The evolving practices and methodologies developed for DG would be tested on
10. specific applications and would be subsequently modified and augmented to
11. improve performance. New Conservation and Demand Management initiatives to
12. reduce peak demand and energy were completed including projects such as the
13. Campbell's Soup 3.8 MW combined heat and power generator, the Enwave 4MW steam
14. generation and Humber Waste-Water Treatment Plant with 4.7MW biogas facility.
15.
16. Large data centers and critical loads would be connected to the distribution
17. grid with embedded generation. All data center activities considered complete
18. toward the end of the fiscal period.
19.
20. Protection and Control of Distribution Grid ongoing development continued -
21. Investigated protection miscoordination and developed module with added
22. flexibility to integrate large new customer capacity and load at Humber
23. College.
24.
25. Energy storage - Energy storage projects were developed to provide Toronto
26. Hydro with strategic ancillary capabilities to address system efficiency,
27. reliability and power quality, as well as Distributed Generation (DG) and
28. Electric Vehicle (EV) enablement in targeted areas of the Toronto Hydro
29. distribution system. By placing ancillary ESS strategically throughout the
30. distribution system, localized issues can be addressed. This approach allows
31. for a minor augmentation of the distribution system, rather than an expensive
32. rebuild or major asset replacement. In this way, ESS deployments can be a
33. creative and prudent approach to system risk mitigation. The Bulwer Battery
34. Energy Storage System (BESS) project is a 2MW/8MWh and is located in the
35. Downtown area of Toronto with ever increasing demands for electricity. The
36. Community Energy Storage (CES) project includes a consortium partners eCAMION,
37. Dow-Kokam, Toronto Hydro-Electric Systems Limited (THESL) and the University
38. of Toronto with the first project installed at Roding Community Centre and the
39. second installation at Toronto Hydro's Commissioners office is in progress and
40. is slated for completion in 2017. Toronto Hydro is presently working with
41. Green Power Labs Inc. on the deployment of Supervisory Predictive Control
42. technology - The installation of a supervisory grid controller will provide
43. real time analysis and control enabling the Battery Storage and Solar PV.
44. Toronto Hydro, in collaboration with Ryerson University and eCAMION,
45. successfully installed and commissioned the world's first grid-scale
46. integrated pole mounted energy storage system (PMESS). Mounted on a Toronto
47. Hydro pole in Toronto, Ontario, the unit employs lithium-ion batteries that
48. charge during off-peak hours and discharge during peak hours. Toronto Hydro
49. also initiated energy storage initiative with Metrolinx on the Eglinton
50. Crosstown Transit for a 20MW/80MWh supply to power the traction power system.
51. Technical specifications were developed to integrate the storage system with
52. the Toronto Hydro feeder supplies from Runnymede TS and Bermondsey TS.
53.
54. Ongoing:
55. Protection and coordination - models developed that enables analytic studies
56. of the network to ensure adequacy of protection and loading capability.
57. Distribution Generation and Protection Methodologies - Developed the
58. Generation Protection, Monitoring and Control program for the 2015-2019
59. forecast period -Future activities would include installing an advanced

244 What work did you perform **in the tax year** to overcome the scientific or technological uncertainties described in line 242? (Summarize the systematic investigation or search) (*Maximum 100 lines*)

protection systems at three stations with short-circuit capacity constraints; a bus-tie reactor at station bus tie to alleviate short-circuit capacity constraints; and a required monitoring and control systems at all DG facilities.

Network protectors: A revised criteria was developed to specifically address connecting DG onto network distribution system in order to avoid potential failure modes.

Arc Flash Studies: Labelling procedures developed to properly identify the arc flash level with the warning signs at the equipment.

We initiated the development of a power analysis tool for power systems simulation. CYME Gateway is an application that will be interfaced with Toronto Hydro's mapping system and enterprise systems in order to extract and build the network model as required to analyze loading, fault levels and assess Distributed Energy Resources connectivity with the distribution system.

246 What scientific or technological advancements did you achieve or attempt to achieve as a result of the work described in line 244? (*Maximum 50 lines*)

THESL system. DG sites 50kW and above were connected to THESL's Control Room using the utility wireless communication system and DG sites 500kW and above were connected using a private wired communication system. In both instances, THESL needed to know: (A) the nearest THESL network node in the area of the DG site, (B) For wireless: The signal strength in the area of the DG site, and (C) For wired: The shortest path to the network trunk line.

In addition to ensuring that THESL could enable DG sites in the near term (2016 - 2017), THESL began developing a technical plan to ensure it could connect the forecasted increase of DG sites for the medium and long term (2018 - 2025). The project teams focus was on (1) determining the technical roadblocks that would prevent THESL from connecting additional DG sites to the distribution system, (2) identifying solutions that can be implemented in the near term to meet the forecasted demand of generation connections, (3) identifying and quantifying the impact of the additional data coming into THESL existing Control Room systems from the additional DG sites, (4) identifying the necessary backend systems required to enable next-generation monitoring, forecasting, and control of DG sites, and (5) implementing the plan that will address DG connection issues as part of the 2015- 2019 Rate Application to the Ontario Energy Board (OEB).

Additional advancements realized over the course of development included:

Developing energy storage connection methodology:

- Developing technical requirement for the interconnection of Energy Storage Unit to help resolve localized system issues.
- Utilize CYME to create system study models for the connection impact on THESL's distribution system.

Developing Arc Flash hazard criteria and deployment approach:

- Existing arc flash hazard programs are suitable for Arc Flash Hazard (AFH) calculation in local or small distribution system.
- TH worked with CYME closely in developing the existing CYME AFH module to handle AFH calculation in large distribution system such as TH.

Developing System Protection methodology, analysis tools and criteria for modernizing station protection at TS and MS:

- Developed Protection Philosophy document to assist in the determination of feeder protection relay settings for Transformer and Municipal Stations.
- Numerous protection relay enhancements and supply station transformer replacements under way with feeder protection implications and settings required to be addressed.
- Protection Philosophy document prepared also serves as a technical guide

39. relating to the grid with key parameters including station sequence data,
40. generator interconnections and max/min protection scenarios.
41. - Protection review process in progress to improve feeder settings given
42. modifications, enhancements and generator interconnection.

Section C – Additional project information

Who prepared the responses for Section B?

253 1 [X] Employee directly involved in the project	**254** Name [redacted]		
255 1 [ ] Other employee of the company	**256** Name		
257 1 [X] External consultant	**258** Name Deloitte LLP	**259** Firm Deloitte LLP	

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2 [redacted]	[redacted]
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266 Are you claiming expenditures for SR&ED carried out on behalf of another party? . . . . . 1 [ ] Yes 2 [X] No

267 Are you claiming expenditures for SR&ED performed by people other than your employees? . . . . . 1 [ ] Yes 2 [X] No

If you answered **yes** to line 267, complete lines 268 and 269.

268 Names of individuals or companies	**269** BN
1	

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270 1 [X] Project planning documents

271 1 [X] Records of resources allocated to the project, time sheets

272 1 [ ] Design of experiments

273 1 [X] Project records, laboratory notebooks

274 1 [ ] Design, system architecture and source code

275 1 [ ] Records of trial runs

276 1 [X] Progress reports, minutes of project meetings

277 1 [X] Test protocols, test data, analysis of test results, conclusions

278 1 [X] Photographs and videos

279 1 [ ] Samples, prototypes, scrap or other artefacts

280 1 [X] Contracts

281 1 [X] Others, specify **282** Invoices & emails.

Canada Revenue Agency / Agence du revenu du Canada

T2 Corporation Income Tax Return

200

055 **Do not use this area**

This form serves as a federal, provincial, and territorial corporation income tax return, unless the corporation is located in Quebec or Alberta. If the corporation is located in one of these provinces, you have to file a separate provincial corporation return.

All legislative references on this return are to the federal *Income Tax Act* and *Income Tax Regulations*. This return may contain changes that had not yet become law at the time of publication.

Send one completed copy of this return, including schedules and the *General Index of Financial Information* (GIFI), to your tax centre or tax services office. You have to file the return within six months after the end of the corporation's tax year.

For more information see cra.gc.ca or Guide T4012, *T2 Corporation - Income Tax Guide*.

Identification

Business number (BN) . . . . . 001 [redacted]

Corporation's name

002 TORONTO HYDRO-ELECTRIC SYSTEM LIMITED

Address of head office

Has this address changed since the last time we were notified? . . . . . 010 1 Yes [ ] 2 No [X]

(If **yes**, complete lines 011 to 018.)

011 14 CARLTON STREET

012

City	Province, territory, or state
015 TORONTO	016 ON
Country (other than Canada)	**Postal code/Zip code**
017	018 M5B 1K5

Mailing address (if different from head office address)

Has this address changed since the last time we were notified? . . . . . 020 1 Yes [ ] 2 No [X]

(If **yes**, complete lines 021 to 028.)

021 c/o [redacted]

022 14 CARLTON STREET

023 5TH FLOOR -CORPORATE TAX DEPT

City	Province, territory, or state
025 TORONTO	026 ON
Country (other than Canada)	**Postal code/Zip code**
027	028 M5B 1K5

Location of books and records (if different from head office address)

Has this address changed since the last time we were notified? . . . . . 030 1 Yes [ ] 2 No [X]

(If **yes**, complete lines 031 to 038.)

031 14 CARLTON STREET

032

City	Province, territory, or state
035 TORONTO	036 ON
Country (other than Canada)	**Postal code/Zip code**
037	038 M5B 1K5

040 **Type of corporation at the end of the tax year**

1 [X] Canadian-controlled private corporation (CCPC)
2 [ ] Other private corporation
3 [ ] Public corporation
4 [ ] Corporation controlled by a public corporation
5 [ ] Other corporation (specify, below)

If the type of corporation changed during the tax year, provide the effective date of the change . . . . . 043 Year Month Day

To which tax year does this return apply?

Tax year start	Tax year-end
Year Month Day	Year Month Day
060 2016-01-01	061 2016-12-31

Has there been an acquisition of control resulting in the application of subsection 249(4) since the tax year start on line 060? . . . . . 063 1 Yes [ ] 2 No [X]

If **yes**, provide the date control was acquired . . . . . 065 Year Month Day

Is the date on line 061 a deemed tax year-end according to subsection 249(3.1)? . . . . . 066 1 Yes [ ] 2 No [X]

Is the corporation a professional corporation that is a member of a partnership? . . . . . 067 1 Yes [ ] 2 No [X]

Is this the first year of filing after:

Incorporation? . . . . . 070 1 Yes [ ] 2 No [X]
Amalgamation? . . . . . 071 1 Yes [ ] 2 No [X]

If **yes**, complete lines 030 to 038 and attach Schedule 24.

Has there been a wind-up of a subsidiary under section 88 during the current tax year? . . . . . 072 1 Yes [ ] 2 No [X]

If **yes**, complete and attach Schedule 24.

Is this the final tax year before amalgamation? . . . . . 076 1 Yes [ ] 2 No [X]

Is this the final return up to dissolution? . . . . . 078 1 Yes [ ] 2 No [X]

If an election was made under section 261, state the functional currency used 079

Is the corporation a resident of Canada? 080 1 Yes [X] 2 No [ ]

If **no**, give the country of residence on line 081 and complete and attach Schedule 97.

081

Is the non-resident corporation claiming an exemption under an income tax treaty? . . . . . 082 1 Yes [ ] 2 No [X]

If **yes**, complete and attach Schedule 91.

If the corporation is exempt from tax under section 149, tick one of the following boxes:

085
1 [ ] Exempt under paragraph 149(1)(e) or (l)
2 [ ] Exempt under paragraph 149(1)(j)
3 [ ] Exempt under paragraph 149(1)(t)
4 [X] Exempt under other paragraphs of section 149

Do not use this area

095 096 898

Attachments

Financial statement information: Use GIFI schedules 100, 125, and 141.
Schedules – Answer the following questions. For each **yes** response, **attach** the schedule to the T2 return, unless otherwise instructed.

		Yes	Schedule
Is the corporation related to any other corporations?	150	X	9
Is the corporation an associated CCPC?	160	X	23
Is the corporation an associated CCPC that is claiming the expenditure limit?	161		49
Does the corporation have any non-resident shareholders who own voting shares?	151		19
Has the corporation had any transactions, including section 85 transfers, with its shareholders, officers, or employees, other than transactions in the ordinary course of business? Exclude non-arm's length transactions with non-residents	162		11
If you answered **yes** to the above question, and the transaction was between corporations not dealing at arm's length, were all or substantially all of the assets of the transferor disposed of to the transferee?	163		44
Has the corporation paid any royalties, management fees, or other similar payments to residents of Canada?	164		14
Is the corporation claiming a deduction for payments to a type of employee benefit plan?	165		15
Is the corporation claiming a loss or deduction from a tax shelter?	166		T5004
Is the corporation a member of a partnership for which a partnership account number has been assigned?	167		T5013
Did the corporation, a foreign affiliate controlled by the corporation, or any other corporation or trust that did not deal at arm's length with the corporation have a beneficial interest in a non-resident discretionary trust (without reference to section 94)?	168		22
Did the corporation own any shares in one or more foreign affiliates in the tax year?	169		25
Has the corporation made any payments to non-residents of Canada under subsections 202(1) and/or 105(1) of the *Income Tax Regulations*?	170		29
Did the corporation have a total amount over $1 million of reportable transactions with non-arm's length non-residents?	171		T106
For private corporations: Does the corporation have any shareholders who own 10% or more of the corporation's common and/or preferred shares?	173	X	50
Has the corporation made payments to, or received amounts from, a retirement compensation plan arrangement during the year?	172		———
Does the corporation earn income from one or more Internet webpages or websites?	180		88
Is the net income/loss shown on the financial statements different from the net income/loss for income tax purposes?	201	X	1
Has the corporation made any charitable donations; gifts of cultural or ecological property; or gifts of medicine?	202	X	2
Has the corporation received any dividends or paid any taxable dividends for purposes of the dividend refund?	203		3
Is the corporation claiming any type of losses?	204		4
Is the corporation claiming a provincial or territorial tax credit or does it have a permanent establishment in more than one jurisdiction?	205	X	5
Has the corporation realized any capital gains or incurred any capital losses during the tax year?	206	X	6
i) Is the corporation claiming the small business deduction and reporting income from: a) property (other than dividends deductible on line 320 of the T2 return), b) a partnership, c) a foreign business, or d) a personal services business; or ii) does the corporation have aggregate investment income at line 440?	207	X	7
Does the corporation have any property that is eligible for capital cost allowance?	208	X	8
Does the corporation have any property that is eligible capital property?	210	X	10
Does the corporation have any resource-related deductions?	212		12
Is the corporation claiming deductible reserves (other than transitional reserves under section 34.2)?	213		13
Is the corporation claiming a patronage dividend deduction?	216		16
Is the corporation a credit union claiming a deduction for allocations in proportion to borrowing or an additional deduction?	217		17
Is the corporation an investment corporation or a mutual fund corporation?	218		18
Is the corporation carrying on business in Canada as a non-resident corporation?	220		20
Is the corporation claiming any federal, provincial, or territorial foreign tax credits, or any federal logging tax credits?	221		21
Does the corporation have any Canadian manufacturing and processing profits?	227		27
Is the corporation claiming an investment tax credit?	231	X	31
Is the corporation claiming any scientific research and experimental development (SR&ED) expenditures?	232	X	T661
Is the total taxable capital employed in Canada of the corporation and its related corporations over $10,000,000?	233	X	33/34/35
Is the total taxable capital employed in Canada of the corporation and its associated corporations over $10,000,000?	234	X	———
Is the corporation claiming a surtax credit?	237		37
Is the corporation subject to gross Part VI tax on capital of financial institutions?	238		38
Is the corporation claiming a Part I tax credit?	242		42
Is the corporation subject to Part IV.1 tax on dividends received on taxable preferred shares or Part VI.1 tax on dividends paid?	243		43
Is the corporation agreeing to a transfer of the liability for Part VI.1 tax?	244		45
Is the corporation subject to Part II - Tobacco Manufacturers' surtax?	249		46
For financial institutions: Is the corporation a member of a related group of financial institutions with one or more members subject to gross Part VI tax?	250		39
Is the corporation claiming a Canadian film or video production tax credit refund?	253		T1131
Is the corporation claiming a film or video production services tax credit refund?	254		T1177
Is the corporation subject to Part XIII.1 tax? (Show your calculations on a sheet that you identify as Schedule 92.)	255		92

Attachments – continued from page 2

		Yes	Schedule
Did the corporation have any foreign affiliates in the tax year?	271		T1134
Did the corporation own or hold specified foreign property where the total cost amount of all such property, at any time in the year, was more than CAN$100,000?	259		T1135
Did the corporation transfer or loan property to a non-resident trust?	260		T1141
Did the corporation receive a distribution from or was it indebted to a non-resident trust in the year?	261		T1142
Has the corporation entered into an agreement to allocate assistance for SR&ED carried out in Canada?	262		T1145
Has the corporation entered into an agreement to transfer qualified expenditures incurred in respect of SR&ED contracts?	263		T1146
Has the corporation entered into an agreement with other associated corporations for salary or wages of specified employees for SR&ED?	264		T1174
Did the corporation pay taxable dividends (other than capital gains dividends) in the tax year?	265		55
Has the corporation made an election under subsection 89(11) not to be a CCPC?	266		T2002
Has the corporation revoked any previous election made under subsection 89(11)?	267		T2002
Did the corporation (CCPC or deposit insurance corporation (DIC)) pay eligible dividends, or did its general rate income pool (GRIP) change in the tax year?	268	X	53
Did the corporation (other than a CCPC or DIC) pay eligible dividends, or did its low rate income pool (LRIP) change in the tax year?	269		54

Additional information

Did the corporation use the International Financial Reporting Standards (IFRS) when it prepared its financial statements?	270	1 Yes	X	2 No	
Is the corporation inactive?	280	1 Yes		2 No	X

What is the corporation's main revenue-generating business activity? 221122 Electric Power Distribution

Specify the principal products mined, manufactured, sold, constructed, or services provided, giving the approximate percentage of the total revenue that each product or service represents.

284	ELECTRICITY DISTRIBUTION	285	100.000 %
286		287	%
288		289	%

Did the corporation immigrate to Canada during the tax year?	291	1 Yes		2 No	X
Did the corporation emigrate from Canada during the tax year?	292	1 Yes		2 No	X
Do you want to be considered as a quarterly instalment remitter if you are eligible?	293	1 Yes		2 No	X

If the corporation was eligible to remit instalments on a quarterly basis for part of the tax year, provide the date the corporation ceased to be eligible 294 (Year Month Day)

If the corporation's major business activity is construction, did you have any subcontractors during the tax year? 295 1 Yes 2 No

Taxable income

Net income or (loss) for income tax purposes from Schedule 1, financial statements, or GIFI.	300		90,427,842	A
Deduct: Charitable donations from Schedule 2	311	193,476		
Cultural gifts from Schedule 2	313			
Ecological gifts from Schedule 2	314			
Gifts of medicine from Schedule 2	315			
Taxable dividends deductible under section 112 or 113, or subsection 138(6) from Schedule 3	320			
Part VI.1 tax deduction*	325			
Non-capital losses of previous tax years from Schedule 4	331			
Net capital losses of previous tax years from Schedule 4	332			
Restricted farm losses of previous tax years from Schedule 4	333			
Farm losses of previous tax years from Schedule 4	334			
Limited partnership losses of previous tax years from Schedule 4	335			
Taxable capital gains or taxable dividends allocated from a central credit union	340			
Prospector's and grubstaker's shares	350			
Subtotal		193,476 ▶	193,476	B
Subtotal (amount A **minus** amount B) (if negative, enter "0")			90,234,366	C
Section 110.5 additions or subparagraph 115(1)(a)(vii) additions	355			D
Taxable income (amount C **plus** amount D)	360		90,234,366	
Income exempt under paragraph 149(1)(t)	370			
Taxable income for a corporation with exempt income under paragraph 149(1)(t) (line 360 **minus** line 370)			90,234,366	Z
Taxable income for the year from a personal services business**				Z.1

* This amount is equal to 3.5 times the Part VI.1 tax payable at line 724 on page 9.

** For a taxation year that ends after 2015.

Small business deduction

Canadian-controlled private corporations (CCPCs) throughout the tax year

Income from active business carried on in Canada from Schedule 7 . . . . . **400** 89,612,631 A

Taxable income from line 360 on page 3, **minus** 100/28 3.57143 of the amount on line 632* on page 8, **minus** 4 times the amount on line 636** on page 8, and **minus** any amount that, because of federal law, is exempt from Part I tax . . . . . **405** 90,234,366 B

Business limit (see notes 1 and 2 below) . . . . . **410** 500,000 C

Notes:

1. For CCPCs that are not associated, enter $ 500,000 on line 410. However, if the corporation's tax year is less than 51 weeks, prorate this amount by the number of days in the tax year divided by 365, and enter the result on line 410.

2. For associated CCPCs, use Schedule 23 to calculate the amount to be entered on line 410.

Business limit reduction:

Amount C 500,000 x **415** *** 4,934,211 / 11,250 D = ... 219,298,267 E

Reduced business limit (amount C **minus** amount E) (if negative, enter "0") . . . . . **425** F

Business limit the CCPC assigns under subsection 125(3.2) (amount O below) . . . . . G

Amount F **minus** amount G . . . . . H

Small business deduction

Amount A, B, C, or H, whichever is the least x (Number of days in the tax year before January 1, 2016 / Number of days in the tax year) x 17 % = 1

Amount A, B, C, or H, whichever is the least x (Number of days in the tax year after December 31, 2015 / Number of days in the tax year) x 17.5 % = 2

Total of amounts 1 and 2 (enter amount I on line J on page 8) **430** I

***** Calculate the amount of foreign non-business income tax credit deductible on line 632 without reference to the refundable tax on the CCPC's investment income (line 604) and without reference to the corporate tax reductions under section 123.4.

****** Calculate the amount of foreign business income tax credit deductible on line 636 without reference to the corporation tax reductions under section 123.4.

***** Large corporations**

- If the corporation is not associated with any corporations in both the current and previous tax years, the amount to be entered on line 415 is: (total taxable capital employed in Canada for the **prior year** minus $10,000,000) x 0.225%.
- If the corporation is not associated with any corporations in the current tax year, but was associated in the previous tax year, the amount to be entered on line 415 is: (total taxable capital employed in Canada for the **current year** minus $10,000,000) x 0.225%.
- For corporations associated in the current tax year, see Schedule 23 for the special rules that apply.

Specified corporate income and assignment under subsection 125(3.2)

	J Name of corporation receiving the income and assigned amount	K Business number of the corporation	L Income for the small business deduction given to the corporation identified in column J [under clause 125(1)(a)(i)(B)] [3]	M Business limit assigned to corporation identified in column J [4]
1.				
			Total N	Total O

Notes:

3. This amount is [as defined in subsection 125(7) **specified corporate income** (a)(i)] the total of all amounts each of which is income from an active business of the corporation for the year from the provision of services or property to a private corporation (directly or indirectly, in any manner whatever) if

   (A) at any time in the year, the corporation (or one of its shareholders) or a person who does not deal at arm's length with the corporation (or one of its shareholders) holds a direct or indirect interest in the private corporation, and

   (B) it is not the case that all or substantially all of the corporation's income for the year from an active business is from the provision of services or property to

   (I) persons (other than the private corporation) with which the corporation deals at arm's length, or

   (II) partnerships with which the corporation deals at arm's length, other than a partnership in which a person that does not deal at arm's length with the corporation holds a direct or indirect interest.

4. The amount of the business limit you assign cannot be greater than the amount in column L.

General tax reduction for Canadian-controlled private corporations

Canadian-controlled private corporations throughout the tax year

Taxable income from page 3 (line 360 or amount Z, whichever applies)			90,234,366	A
Lesser of amounts B9 and H9 from Part 9 of Schedule 27				B
Amount K13 from Part 13 of Schedule 27				C
Personal services business income	432			D
Amount used to calculate the credit union deduction (amount F from Schedule 17)				E
Amount from line 400, 405, 410, or amount H on page 4, whichever is the least				F
Aggregate investment income from line 440 on page 6*		815,211		G
Subtotal (**add** amounts B to G)		815,211 ▶	815,211	H
Amount A **minus** amount H (if negative, enter "0")			89,419,155	I
General tax reduction for Canadian-controlled private corporations – Amount I **multiplied** by 13 %			11,624,490	J

Enter amount J on line 638 on page 8.

* Except for a corporation that is, throughout the year, a cooperative corporation (within the meaning assigned by subsection 136(2)) or a credit union.

General tax reduction

Do not complete this area if you are a Canadian-controlled private corporation, an investment corporation, a mortgage investment corporation, a mutual fund corporation, or any corporation with taxable income that is not subject to the corporation tax rate of 38%.

Taxable income from page 3 (line 360 or amount Z, whichever applies)				K
Lesser of amounts B9 and H9 from Part 9 of Schedule 27				L
Amount K13 from Part 13 of Schedule 27				M
Personal services business income	434			N
Amount used to calculate the credit union deduction (amount F from Schedule 17)				O
Subtotal (**add** amounts L to O)		▶		P
Amount K **minus** amount P (if negative, enter "0")				Q
General tax reduction – Amount Q **multiplied** by 13 %				R

Enter amount R on line 639 on page 8.

Refundable portion of Part I tax

Canadian-controlled private corporations throughout the tax year

Aggregate investment income from Schedule 7 . . . . . **440** 815,211 A

Amount A 815,211 x (Number of days in the tax year before January 1, 2016 / Number of days in the tax year) ____ / 366 x 26 2/3 % = ____ 1

Amount A 815,211 x (Number of days in the tax year after December 31, 2015 / Number of days in the tax year) 366 / 366 x 30 2/3 % = 249,998 2

Subtotal (amount 1 **plus** amount 2) 249,998 ▶ 249,998 B

Foreign investment income from Schedule 7 . . . . . **445** ____ C

Amount C ____ x (Number of days in the tax year before January 1, 2016 / Number of days in the tax year) ____ / 366 x 9 1/3 % = ____ 3

Amount C ____ x (Number of days in the tax year after December 31, 2015 / Number of days in the tax year) 366 / 366 x 8 % = ____ 4

Subtotal (amount 3 **plus** amount 4) ____ D

Foreign non-business income tax credit from line 632 on page 8 **minus** amount D (if negative, enter "0") . . . . . ____ E

Amount B **minus** amount E (if negative, enter "0") . . . . . 249,998 F

Foreign non-business income tax credit from line 632 on page 8 . . . . . ____ G

Number of days in the tax year before January 1, 2016 / Number of days in the tax year ____ / 366 x 35 = ... ____ 5

Number of days in the tax year after December 31, 2015 / Number of days in the tax year 366 / 366 x 38 2/3 = ... 38.66667 6

Subtotal (amount 5 **plus** amount 6) 38.6667 H

Amount G ____ x 100/H 100/38.6667 = ... ____ I

Taxable income from line 360 on page 3 . . . . . 90,234,366 J

Deduct:

Amount from line 400, 405, 410, or amount H on page 4, whichever is the least . . . . . ____ K

Amount I . . . . . ____ L

Foreign business income tax credit from line 636 on page 8 . . . . . ____ x 4 = ____ M

Subtotal (total of amounts K to M) ____ ▶ ____ N

Subtotal (amount J **minus** amount N) 90,234,366 O

Amount O 90,234,366 x (Number of days in the tax year before January 1, 2016 / Number of days in the tax year) ____ / 366 x 26 2/3 % = ____ 7

Amount O 90,234,366 x (Number of days in the tax year after December 31, 2015 / Number of days in the tax year) 366 / 366 x 30 2/3 % = 27,671,872 8

Subtotal (amount 7 **plus** amount 8) 27,671,872 ▶ 27,671,872 P

Part I tax payable **minus** investment tax credit refund (line 700 **minus** line 780 from page 9) . . . . . 12,543,937 Q

Refundable portion of Part I tax – Amount F, P, or Q, whichever is the least . . . . . **450** 249,998 R

Refundable dividend tax on hand

Refundable dividend tax on hand at the end of the previous tax year	460	547,210		
Deduct:				
Dividend refund for the previous tax year	465			
		547,210	▶	547,210 A
Add the total of:				
Refundable portion of Part I tax from line 450 on page 6		249,998	B	
Total Part IV tax payable from Schedule 3			C	
Net refundable dividend tax on hand transferred from a predecessor corporation on amalgamation, or from a wound-up subsidiary corporation	480			
		249,998	▶	249,998 D
Refundable dividend tax on hand at the end of the tax year – Amount A **plus** amount D	485			797,208

Dividend refund

Private and subject corporations at the time taxable dividends were paid in the tax year

Taxable dividends paid in the tax year from line 460 on page 3 of Schedule 3 ____ E

Amount E ____ x (Number of days in the tax year before January 1, 2016 / Number of days in the tax year) ____ / 366 x 33 1/3 % = ____ 1

Amount E ____ x (Number of days in the tax year after December 31, 2015 / Number of days in the tax year) 366 / 366 x 38 1/3 % = ____ 2

Subtotal (amount 1 **plus** amount 2) ____ ▶ ____ F

Refundable dividend tax on hand at the end of the tax year from line 485 above 797,208 G

Dividend refund – Amount F or G, whichever is less ____ H

Enter amount H on line 784 on page 9.

Part I tax

Base amount Part I tax – Taxable income from page 3 (line 360 or amount Z, whichever applies) **multiplied** by 38 %* . . **550** 34,289,059 A

Personal services business income tax (section 123.5)

Taxable income from a personal services business **555** _____ x (Number of days in the tax year after December 31, 2015 / Number of days in the taxation year) 366/366 x 5 % = **560** _____ B

Recapture of investment tax credit from Schedule 31 . . . . . **602** _____ C

Calculation for the refundable tax on the Canadian-controlled private corporation's (CCPC) investment income
(if it was a CCPC throughout the tax year)

Aggregate investment income from line 440 on page 6 . . . . . 815,211 D

Taxable income from line 360 on page 3 . . . . . 90,234,366 E

Deduct:

Amount from line 400, 405, 410, or amount H on page 4, whichever is the least . . . . . F

Net amount (amount E **minus** amount F) 90,234,366 ▶ 90,234,366 G

Amount D or G, whichever is less 815,211 x (Number of days in the tax year before January 1, 2016 / Number of days in the tax year) 366/366 x 6 2/3 % = _____ 1

Amount D or G, whichever is less 815,211 x (Number of days in the tax year after December 31, 2015 / Number of days in the tax year) 366/366 x 10 2/3 % = 86,956 2

Refundable tax on CCPC's investment income (amount 1 **plus** amount 2) . . . . . **604** 86,956 ▶ 86,956 H

Subtotal (**add** amounts A, B, C, and H) 34,376,015 I

Deduct:

Small business deduction from line 430 on page 4 . . . . . J

Federal tax abatement	**608**	9,023,437
Manufacturing and processing profits deduction from Schedule 27	**616**	
Investment corporation deduction	**620**	
Taxed capital gains **624**		
Additional deduction – credit unions from Schedule 17	**628**	
Federal foreign non-business income tax credit from Schedule 21	**632**	
Federal foreign business income tax credit from Schedule 21	**636**	
General tax reduction for CCPCs from amount J on page 5	**638**	11,624,490
General tax reduction from amount R on page 5	**639**	
Federal logging tax credit from Schedule 21	**640**	
Eligible Canadian bank deduction under section 125.21	**641**	
Federal qualifying environmental trust tax credit	**648**	
Investment tax credit from Schedule 31	**652**	1,184,151
Subtotal		21,832,078 ▶ 21,832,078 K

Part I tax payable – Amount I **minus** amount K . . . . . 12,543,937 L

Enter amount L on line 700 on page 9.

Privacy statement

Personal information is collected under the *Income Tax Act* to administer tax, benefits, and related programs. It may also be used for any purpose related to the administration or enforcement of the Act such as audit, compliance and the payment of debts owed to the Crown. It may be shared or verified with other federal, provincial/territorial government institutions to the extent authorized by law. Failure to provide this information may result in interest payable, penalties or other actions. Under the *Privacy Act*, individuals have the right to access their personal information and request correction if there are errors or omissions. Refer to Info Source cra.gc.ca/gncy/tp/nfsrc/nfsrc-eng.html, personal information bank CRA PPU 047.

Summary of tax and credits

Federal tax

Part I tax payable from amount L on page 8	700	12,543,937
Part II surtax payable from Schedule 46	708	
Part III.1 tax payable from Schedule 55	710	
Part IV tax payable from Schedule 3	712	
Part IV.1 tax payable from Schedule 43	716	
Part VI tax payable from Schedule 38	720	
Part VI.1 tax payable from Schedule 43	724	
Part XIII.1 tax payable from Schedule 92	727	
Part XIV tax payable from Schedule 20	728	
Total federal tax		12,543,937

Add provincial or territorial tax:

Provincial or territorial jurisdiction 750 ON
(if more than one jurisdiction, enter "multiple" and complete Schedule 5)

Net provincial or territorial tax payable (except Quebec and Alberta)	760	6,260,874
Total tax payable	770	18,804,811 A

Deduct other credits:

Investment tax credit refund from Schedule 31	780	
Dividend refund from amount H on page 7	784	
Federal capital gains refund from Schedule 18	788	
Federal qualifying environmental trust tax credit refund	792	
Canadian film or video production tax credit refund (Form T1131)	796	
Film or video production services tax credit refund (Form T1177)	797	
Tax withheld at source	800	
Total payments on which tax has been withheld	801	
Provincial and territorial capital gains refund from Schedule 18	808	
Provincial and territorial refundable tax credits from Schedule 5	812	
Tax instalments paid	840	20,535,568
Total credits	890	20,535,568 ▶ 20,535,568 B

Refund code 894 2 Overpayment 1,730,757

Balance (amount A **minus** amount B) -1,730,757

If the result is positive, you have a **balance unpaid**.
If the result is negative, you have an **overpayment**.
Enter the amount on whichever line applies.
Generally, we do not charge or refund a difference of $2 or less.

Balance unpaid

For information on how to make your payment, go to cra.gc.ca/payments.

Direct deposit request

To have the corporation's refund deposited directly into the corporation's bank account at a financial institution in Canada, or to change banking information you already gave us, complete the information below:

☐ Start ☐ Change information 910 Branch number

914 Institution number 918 Account number

If the corporation is a Canadian-controlled private corporation throughout the tax year, does it qualify for the one-month extension of the date the balance of tax is due? 896 1 Yes ☐ 2 No ☒

If this return was prepared by a tax preparer for a fee, provide their EFILE number 920

Certification

I, 950 Bovingdon (Last name) 951 Sean (First name) 954 EVP & Chief Financial Officer (Position, office, or rank),

am an authorized signing officer of the corporation. I certify that I have examined this return, including accompanying schedules and statements, and that the information given on this return is, to the best of my knowledge, correct and complete. I also certify that the method of calculating income for this tax year is consistent with that of the previous tax year except as specifically disclosed in a statement attached to this return.

955 2017-06-28 (Date yyyy/mm/dd) Signature of the authorized signing officer of the corporation 956 (416) 542-3100 Telephone number

Is the contact person the same as the authorized signing officer? If no, complete the information below 957 1 Yes ☐ 2 No ☒

958 [redacted] Name of other authorized person 959 [redacted] Telephone number

Language of correspondence – Langue de correspondance

Indicate your language of correspondence by entering **1** for English or **2** for French.
Indiquez votre langue de correspondance en inscrivant **1** pour anglais ou **2** pour français. 990 1

Canada Revenue Agency / Agence du revenu du Canada

Net Income (Loss) for Income Tax Purposes

Schedule 1

Corporation's name	Business Number	Tax year end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- The purpose of this schedule is to provide a reconciliation between the corporation's net income (loss) as reported on the financial statements and its net income (loss) for tax purposes. For more information, see the T2 *Corporation Income Tax Guide*.
- All legislative references are to the *Income Tax Act*.

Amount calculated on line 9999 from Schedule 125				150,331,448 A
Add:				
Provision for income taxes – current	101	23,135,447		
Amortization of tangible assets	104	210,601,025		
Charitable donations and gifts from Schedule 2	112	193,476		
Taxable capital gains from Schedule 6	113	815,211		
Scientific research expenditures deducted per financial statements	118	2,547,371		
Non-deductible club dues and fees	120	281,450		
Non-deductible meals and entertainment expenses	121	344,210		
Reserves from financial statements – balance at the end of the year	126	280,712,692		
Subtotal of additions		518,630,882 ▶		518,630,882
Other additions:				
Debt issue expense	208	1,134,436		

Miscellaneous other additions:

	1 Description 605	2 Amount 295				
1	OITC/ORDTC/BCRDTC/ABRDTC from prior year under 12(1)(x) ITA	58,647				
2	See attached	114,987,678				
3	Ontario Co-op Credit	1,062,207				
4	Ontario apprenticeship credit	50,160				
	Total of column 2	116,158,692 ▶	296	116,158,692		
	Subtotal of other additions		199	117,293,128 ▶		117,293,128
	Total additions		500	635,924,010 ▶		635,924,010 B
Amount A **plus** amount B						786,255,458 C
Deduct:						
Gain on disposal of assets per financial statements			401	2,132,160		
Capital cost allowance from Schedule 8			403	255,578,362		
Cumulative eligible capital deduction from Schedule 10			405	3,894,582		
SR&ED expenditures claimed in the year on line 460 from Form T661			411	6,109,122		
Reserves from financial statements – balance at the beginning of the year			414	296,657,273		
Subtotal of deductions				564,371,499 ▶		564,371,499
Other deductions:						

Miscellaneous other deductions:

	1 Description 705	2 Amount 395				
1	Deduction under 20(1)(e) ITA	2,053,258				
2	See attached	129,402,859				
	Total of column 2	131,456,117 ▶	396	131,456,117		

Subtotal of other deductions	499	131,456,117 ▶	131,456,117	
Total deductions	510	695,827,616 ▶	695,827,616	D
Net income (loss) for income tax purposes (amount C **minus** amount D)			90,427,842	E

Enter amount E on line 300 of the T2 return.

Attached Schedule with Total

Line 295 – Amount

Title Line 295 – Amount

Explanatory note

Other additions to Schedule 1

Description		Amount	
ARO accretion expense not deductible for tax		24,235	00
Deferred revenue - 12(1)(a) addback	+	6,529,077	00
Para 12(1)(x) - 777 Bay Street Lease Inducement	+	81,156	00
Para 12(1)(x) -Fixed asset capital contributions & 777 Bay Lease Inducement	+	34,099,823	00
Smart meters revenue, per 2014 rate rider	+	7,745,837	00
Reversal of IS impact re. tax savings materialized on gain on sale of OCCP	+	5,223,055	00
Reversal of IS impact re. CC on deferred gain on sale of OCCP	+	28,669	00
Stranded meters revenue	+	3,102,224	00
RDA - capitalized POEB tax liability, CC [not yet approved]	+	37,569	00
HONI contributions - per drawdown as a result of FRO for 2015 rate app	+	382,315	00
HST Variance CC recorded as reg liab for acctg in 2016 [not yet approved]	+	2,016	00
2008 Named properties - per drawdown as a result of FRO for 2015 rate app	+	1,155,079	00
LRAM - per drawdown as a result of FRO for 2015 rate application	+	3,257,159	00
Reversal of PILS regulatory variance 1592 CC deducted for acctg	+	4,244	00
1575 - 2014 Derecognition-per drawdown as a result of FRO for 2015 rate app	+	6,128,044	00
De-recognition variance (not yet approved)	+	2,902,692	00
Deferred monthly billing (revenue requirement not yet approved)	+	375,500	00
Capital-related revenue requirement variance (not yet approved)	+	6,048,416	00
Reg investment variance (not yet approved)	+	1,026,599	00
Foregone revenue per drawdown as a result of FRO for 2015 rate app	+	16,016,555	00
Externally driven capital variance (not yet approved)	+	153,013	00
Wireless attachment - CC, OPEX and deferred income in 2016	+	102,877	00
POEB transferred from THESI and THC, IS impact is in THESI and THC	+	414,000	00
Interest income included in acctg gain on sale, taxable for tax	+	524	00
Change in AOCI with no IS impact	+	20,147,000	00
	+		
	Total	114,987,678	00

Attached Schedule with Total

Line 395 – Amount

Title Line 395 – Amount

Explanatory note

Other deductions to Schedule 1

Description		Amount	
Amortization of contributed capital received recorded in other revenue		3,766,493	00
Deductible land lease recorded in depreciation for accounting	+	89,423	00
13(7.4) election re:Contributed capital received & 777 Bay Lease inducement	+	34,099,823	00
Capitalized POEB for accounting, not for tax	+	6,423,865	00
ARO payments - deductible for tax	+	226,033	00
Deferred revenue - 20(1)(m) deduction	+	6,529,077	00
777 Bay Street lease inducement - reverse accounting amortization	+	54,792	00
Gain on sale of OCCP deduction - per drawdown as a result of FRO	+	19,709,644	00
Capitalized POEB regulatory liab deduction -per drawdown as a result of FRO	+	6,388,159	00
HST variance deduction - per drawdown as a result of FRO for 2015 rate app	+	1,109,744	00
1592 deduction - per drawdown as a result of FRO for 2015 rate app	+	2,346,386	00
Deferred monthly billing - actual OPEX incurred – deductible for tax	+	2,016,269	00
Deferred monthly billing - CC not yet approved	+	7,868	00
LRAM reversal of CC before OEB approval	+	171,776	00
LRAM reversal of distribution revenue before OEB approval	+	4,481,352	00
Foregone revenue reverse IS impact not yet entitled	+	19,172,248	00
OPEB cash vs accrual variance (not yet approved)	+	1,123,410	00
PSC lease payment capitalized for acctg, deducted for tax	+	3,143,256	00
HONI Capital lease payment capitalized for acctg, deducted for tax	+	234,894	00
Cogeco payment for lease cancellation, s 20(1)(z) deduction	+	1,220,759	00
Environmental remediation costs in CWIP, s 9(1) deduction	+	124,801	00
Property disposal costs in other assets, s 9(1) deduction	+	703,293	00
Reversal of 2015 Ont R&D credit recorded for acctg in 2016; taxed in 2015/6	+	312,133	00
Reversal of 2015 Fed R&D credit recorded for acctg in 2016; taxed thru T661	+	993,624	00
2015 Ont apprentice &coop credits;taxed in 2015; recorded for acctg in 2016	+	1,352,109	00
AFUDC income that is not taxable	+	12,531,040	00
Deductible property tax (re: 715 Miller) capitalized for accounting	+	500,022	00
Deductible property tax (re: 71 Rexdale) capitalized for accounting	+	317,754	00
Deductible OPEX (re: innovation projects) recorded in CWIP	+	239,992	00
Deferred monthly billing – revenue requirement not yet approved	+	12,820	00
	+		
	Total	129,402,859	00

Toronto Hydro Electric System Limited

Taxation year ended: December 31, 2016
C.R.A. Bus#: [redacted]
MOF A/C# (Hydro PILs #): [redacted]

Election under subsection 13(7.4)

The company hereby elects under subsection 13(7.4) of the Income Tax Act to reduce the capital cost of depreciable property acquired in the taxation year by a total amount of $34,099,823 received in the taxation year in respect of that property that would otherwise be included in income under paragraph 12(1)(x).

Authorized Signing Officer

Canada Revenue Agency / Agence du revenu du Canada

Schedule 2

Charitable Donations and Gifts

Corporation's name	Business number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- For use by corporations to claim any of the following:
  - the eligible amount of charitable donations to qualified donees;
  - the Ontario community food program donation tax credit for farmers;
  - the eligible amount of gifts of certified cultural property;
  - the eligible amount of gifts of certified ecologically sensitive land; or
  - the additional deduction for gifts of medicine.
- All legislative references are to the federal *Income Tax Act*, unless otherwise specified.
- The eligible amount of a gift is the amount by which the fair market value of the gifted property exceeds the amount of an advantage, if any, for the gift.
- The donations and gifts are eligible for a 5-year carryforward except for gifts of certified ecologically sensitive land made after February 10, 2014, which are eligible for a 10-year carryforward.
- Use this schedule to show a transfer of unused amounts from previous years following an amalgamation or the wind-up of a subsidiary as described under subsections 87(1) and 88(1) of the federal *Act*.
- Subsection 110.1(1.2) of the federal Act provides as follows:
  - Where a particular corporation has undergone an acquisition of control, for tax years that end on or after the acquisition of control, no corporation can claim a deduction for a gift made by the particular corporation to a qualified donee before the acquisition of control.
  - If a particular corporation makes a gift to a qualified donee pursuant to an arrangement under which both the gift and the acquisition of control is expected, no corporation can claim a deduction for the gift unless the person acquiring control of the particular corporation is the qualified donee.
- An eligible medical gift to a qualifying organization for activities outside of Canada may be eligible for an additional deduction. Calculate the additional deduction in Part 5.
- File one completed copy of this schedule with your *T2 Corporation Income Tax Return*.
- For more information, see the *T2 Corporation - Income Tax Guide*.

Part 1 – Charitable donations

Charity/Recipient	Amount ($100 or more only)
The Princess Margaret Cancer Foundation	125
Sunnybrook Foundation	50,000
Michael Garron Hospital (formerly Toronto East G	393
Michael Garron Hospital (formerly Toronto East G	828
Canadian Museum of Immigration at Pier 21	2,600
Fatal Light Awareness Program	8,000
Starlight Children's Foundation of Canada	200
Georgian College	130,000
Subtotal	192,146
Add: Total donations of less than $100 each	1,330
Total donations in current tax year	193,476

Part 1 – Charitable donations

			Federal		Québec	Alberta
Charitable donations at the end of the previous tax year				A		
Deduct: Charitable donations expired after five tax years*	239					
Charitable donations at the beginning of the current tax year	240			B		
Add:						
Charitable donations transferred on an amalgamation or the wind-up of a subsidiary	250					
Total charitable donations made in the current year (include this amount on line 112 of Schedule 1)	210		193,476		193,476	193,476
Subtotal (line 250 **plus** line 210)			193,476	C	193,476	193,476
Subtotal (amount B **plus** amount C)			193,476	D	193,476	193,476
Deduct: Adjustment for an acquisition of control	255					
Total charitable donations available (amount D **minus** amount on line 255)			193,476	E	193,476	193,476
Deduct: Amount applied in the current year against taxable income (cannot be more than amount O in Part 2) (enter this amount on line 311 of the T2 return)	260		193,476		193,476	193,476
Charitable donations closing balance (amount E **minus** amount on line 260)	280					
Ontario community food program donation for farmers included in the amount on line 260 (for donations made after December 31, 2013)	262					
Ontario community food program donation tax credit for farmers (amount on line 262 **multiplied** by 25 %)				1		

Enter the amount from line 1 on line 420 of Schedule 5, *Tax Calculation Supplementary – Corporations*. The maximum amount you can claim in the current year is whichever is less; the Ontario income tax otherwise payable or the amount on line 1. For more information, see section 103.1.2 of the *Taxation Act, 2007* (Ontario).

* For the federal and Alberta, the gifts expire after five tax years. For Québec, gifts made in a tax year that ended before March 24, 2006, expire after five tax years and gifts made in a tax year that ended after March 23, 2006, expire after twenty tax years.

Amounts carried forward – Charitable donations

Year of origin:		Federal	Québec	Alberta
1st prior year	2015-12-31			
2nd prior year	2014-12-31			
3rd prior year	2013-12-31			
4th prior year	2012-12-31			
5th prior year	2011-12-31			
6th prior year*	2010-12-31			
7th prior year	2009-12-31			
8th prior year	2008-12-31			
9th prior year	2007-12-31			
10th prior year	2006-12-31			
11th prior year	2005-12-31			
12th prior year	2004-12-31			
13th prior year	2003-12-31			
14th prior year	2002-12-31			
15th prior year	2001-12-31			
16th prior year	2001-09-30			
17th prior year	2000-09-30			
18th prior year				
19th prior year				
20th prior year				
21st prior year*				
Total (to line A)				

***** For the federal and Alberta, the 6th prior year gifts expire in the current year. For Québec, the 6th prior year gifts made in a tax year that ended before March 24, 2006, expire in the current year and the 21st prior year gifts made in a tax year that ended after March 23, 2006, expire in the current year.

Part 2 – Maximum allowable deduction for charitable donations

Net income for tax purposes* **multiplied** by 75 % . . . . . 67,820,882 F

Taxable capital gains arising in respect of gifts of capital property included in Part 1 ** . . . . . 225 _____ G

Taxable capital gain in respect of a disposition of a non-qualifying security under subsection 40(1.01) . . . . . 227 _____ H

The amount of the recapture of capital cost allowance in respect of charitable donations . . . . . 230 _____

Proceeds of disposition, **less** outlays and expenses** . . . . . _____ I

Capital cost** . . . . . _____ J

Amount I or J, whichever is less . . . . . 235 _____

Amount on line 230 or 235, whichever is less . . . . . _____ K

Subtotal (**add** amounts G, H, and K) _____ L

Amount L **multiplied** by 25 % _____ M

Subtotal (amount F **plus** amount M) 67,820,882 N

Maximum allowable deduction for charitable donations (enter amount E from Part 1, amount N, or net income for tax purposes, whichever is less) . . . . . 193,476 O

* For credit unions, subsection 137(2) states that this amount is before the deduction of payments pursuant to allocations in proportion to borrowing and bonus interest.

** This amount must be prorated by the following calculation: eligible amount of the gift **divided by** the proceeds of disposition of the gift.

Part 3 – Gifts of certified cultural property

		Federal		Québec	Alberta
Gifts of certified cultural property at the end of the previous tax year			A		
Deduct: Gifts of certified cultural property expired after five tax years*	439				
Gifts of certified cultural property at the beginning of the current tax year	440		B		
Add:					
Gifts of certified cultural property transferred on an amalgamation or the wind-up of a subsidiary	450				
Total gifts of certified cultural property in the current year (include this amount on line 112 of Schedule 1)	410				
Subtotal (line 450 **plus** line 410)			C		
Subtotal (amount B **plus** amount C)			D		
Deduct:					
Adjustment for an acquisition of control	455				
Amount applied in the current year against taxable income (enter this amount on line 313 of the T2 return)	460				
Subtotal (line 455 **plus** line 460)			E		
Gifts of certified cultural property closing balance (amount D **minus** amount E)	480				

* For the federal and Alberta, the gifts expire after five tax years. For Québec, gifts made in a tax year that ended before March 24, 2006, expire after five tax years and gifts made in a tax year that ended after March 23, 2006, expire after twenty tax years.

Amount carried forward – Gifts of certified cultural property

Year of origin:		Federal	Québec	Alberta
1st prior year	2015-12-31			
2nd prior year	2014-12-31			
3rd prior year	2013-12-31			
4th prior year	2012-12-31			
5th prior year	2011-12-31			
6th prior year*	2010-12-31			
7th prior year	2009-12-31			
8th prior year	2008-12-31			
9th prior year	2007-12-31			
10th prior year	2006-12-31			
11th prior year	2005-12-31			
12th prior year	2004-12-31			
13th prior year	2003-12-31			
14th prior year	2002-12-31			
15th prior year	2001-12-31			
16th prior year	2001-09-30			
17th prior year	2000-09-30			
18th prior year				
19th prior year				
20th prior year				
21st prior year*				
Total				

***** For the federal and Alberta, the 6th prior year gifts expire in the current year. For Québec, the 6th prior year gifts made in a tax year that ended before March 24, 2006, expire in the current year and the 21st prior year gifts made in a tax year that ended after March 23, 2006, expire in the current year.

Part 4 – Gifts of certified ecologically sensitive land

		Federal	Québec	Alberta
Gifts of certified ecologically sensitive land at the end of the previous tax year			F	
Deduct: Gifts of certified ecologically sensitive land expired after 5 tax years, or after 10 tax years for gifts made after February 10, 2014*	539			
Gifts of certified ecologically sensitive land at the beginning of the current tax year	540		G	
Add:				
Gifts of certified ecologically sensitive land transferred on an amalgamation or the wind-up of a subsidiary	550			
Total current-year gifts of certified ecologically sensitive land made before February 11, 2014 (include this amount on line 112 of Schedule 1)	510			
Total current-year gifts of certified ecologically sensitive land made after February 10, 2014 (include this amount on line 112 of Schedule 1)	520			
Subtotal (**add** lines 550, 510, and 520)			H	
Subtotal (amount G **plus** amount H)			I	
Deduct:				
Adjustment for an acquisition of control	555			
Amount applied in the current year against taxable income (enter this amount on line 314 of the T2 return)	560			
Subtotal (line 555 **plus** line 560)			J	
Gifts of certified ecologically sensitive land closing balance (amount I **minus** amount J)	580			

***** For the federal and Alberta, gifts made before February 11, 2014 , expire after five tax years and gifts made after February 10, 2014, expire after ten tax years. For Québec, gifts made during a tax year that ended before March 24, 2006, expire after five tax years and gifts made during a tax year that ended after March 23, 2006 expire after twenty tax years.

Amounts carried forward – Gifts of certified ecologically sensitive land

Amount of carried forward gifts made on or after February 11, 2014, in the tax year including this date . . . . . .

Year of origin:		Federal	Québec	Alberta
1st prior year	2015-12-31			
2nd prior year	2014-12-31			
3rd prior year	2013-12-31			
4th prior year	2012-12-31			
5th prior year	2011-12-31			
6th prior year*	2010-12-31			
7th prior year	2009-12-31			
8th prior year	2008-12-31			
9th prior year	2007-12-31			
10th prior year	2006-12-31			
11th prior year*	2005-12-31			
12th prior year	2004-12-31			
13th prior year	2003-12-31			
14th prior year	2002-12-31			
15th prior year	2001-12-31			
16th prior year	2001-09-30			
17th prior year	2000-09-30			
18th prior year				
19th prior year				
20th prior year				
21st prior year*				
Total				

***** For the federal and Alberta, gifts made before February 11, 2014, expire after five tax years and gifts made after February 10, 2014, expire after ten tax years. The field "Amount of carried forward gifts made on or after February 11, 2014, in the tax year including this date" is used to determine the portion of the gifts made in the tax year straddling February 11, 2014, that expires after ten tax years.
For Québec, gifts made during a tax year that ended before March 24, 2006, expire after five tax years and gifts made in a tax year that ended after March 23, 2006, expire after twenty tax years.

Part 5 – Additional deduction for gifts of medicine

		Federal		Québec		Alberta	
Additional deduction for gifts of medicine at the end of the previous tax year			K				
Deduct: Additional deduction for gifts of medicine expired after five tax years*	639						
Additional deduction for gifts of medicine at the beginning of the current tax year	640		L				
Add:							
Additional deduction for gifts of medicine transferred on an amalgamation or the wind-up of a subsidiary	650						
Additional deduction for gifts of medicine for the current year:							
Proceeds of disposition	602		1		1		1
Cost of gifts of medicine	601		2		2		2
Subtotal (line 1 **minus** line 2)			3		3		3
Line 3 **multiplied** by 50 %			4		4		4
Eligible amount of gifts	600		5		5		5

Federal

a _____ x (b _____ / c) = Additional deduction for gifts of medicine for the current year 610 _____

Québec

a _____ x (b _____ / c) = Additional deduction for gifts of medicine for the current year _____

Alberta

a _____ x (b _____ / c) = Additional deduction for gifts of medicine for the current year _____

where:

a is the **lesser** of line 2 and line 4

b is the eligible amount of gifts (line 600)

c is the proceeds of disposition (line 602)

Subtotal (line 650 **plus** line 610)			M		
Subtotal (amount L **plus** amount M)			N		
Deduct:					
Adjustment for an acquisition of control	655				
Amount applied in the current year against taxable income (enter this amount on line 315 of the T2 return)	660				
Subtotal (line 655 **plus** line 660)			O		
Additional deduction for gifts of medicine closing balance (amount N **minus** amount O)	680				

***** For the federal and Alberta, the gifts expire after five tax years. For Québec, gifts made before March 19, 2007, expire after five tax years and gifts made after March 18, 2007, expire after twenty tax years.

Amounts carried forward – Additional deduction for gifts of medicine

Year of origin:		Federal	Québec	Alberta
1st prior year	2015-12-31			
2nd prior year	2014-12-31			
3rd prior year	2013-12-31			
4th prior year	2012-12-31			
5th prior year	2011-12-31			
6th prior year*	2010-12-31			
7th prior year	2009-12-31			
8th prior year	2008-12-31			
9th prior year	2007-12-31			
10th prior year	2006-12-31			
11th prior year	2005-12-31			
12th prior year	2004-12-31			
13th prior year	2003-12-31			
14th prior year	2002-12-31			
15th prior year	2001-12-31			
16th prior year	2001-09-30			
17th prior year	2000-09-30			
18th prior year				
19th prior year				
20th prior year				
21st prior year*				
Total				

***** For the federal and Alberta, the 6th prior year gifts expire in the current year. For Québec, gifts made before March 19, 2007, expire after five tax years and gifts made after March 18, 2007, expire after twenty tax years.

Québec – Gifts of musical instruments

Gifts of musical instruments at the end of the previous tax year		A
Deduct: Gifts of musical instruments expired after twenty tax years		B
Gifts of musical instruments at the beginning of the tax year		C
Add:		
Gifts of musical instruments transferred on an amalgamation or the wind-up of a subsidiary		D
Total current-year gifts of musical instruments		E
Subtotal (line D **plus** line E)		F
Deduct: Adjustment for an acquisition of control		G
Total gifts of musical instruments available		H
Deduct: Amount applied against taxable income		I
Gifts of musical instruments closing balance		J

Amounts carried forward – Gifts of musical instruments

Year of origin:		Québec
1st prior year	2015-12-31	
2nd prior year	2014-12-31	
3rd prior year	2013-12-31	
4th prior year	2012-12-31	
5th prior year	2011-12-31	
6th prior year*	2010-12-31	
7th prior year	2009-12-31	
8th prior year	2008-12-31	
9th prior year	2007-12-31	
10th prior year	2006-12-31	
11th prior year	2005-12-31	
12th prior year	2004-12-31	
13th prior year	2003-12-31	
14th prior year	2002-12-31	
15th prior year	2001-12-31	
16th prior year	2001-09-30	
17th prior year	2000-09-30	
18th prior year		
19th prior year		
20th prior year		
21st prior year*		
Total		

***** These gifts expired in the current year.

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Schedule 5

Tax Calculation Supplementary – Corporations

Corporation's name	Business Number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- Use this schedule if, during the tax year, the corporation:
  - had a permanent establishment in more than one jurisdiction (corporations that have no taxable income should only complete columns A, B and D in Part 1);
  - is claiming provincial or territorial tax credits or rebates (see Part 2); or
  - has to pay taxes, other than income tax, for Newfoundland and Labrador, or Ontario (see Part 2).
- All legislative references mentioned in this schedule are from the *Income Tax Regulations*.
- For more information, see the *T2 Corporation – Income Tax Guide.*
- Enter the regulation number in field 100 of Part 1.

Part 1 – Allocation of taxable income

100 _____ Enter the Regulation that applies (402 to 413).

A Jurisdiction (Tick yes if the corporation had a permanent establishment in the jurisdiction during the tax year. *)		B Total salaries and wages paid in jurisdiction	C (B x taxable income) / G	D Gross revenue	E (D x taxable income) / H	F Allocation of taxable income (C + E) x 1/2** (where either G or H is nil, do not multiply by 1/2)
Newfoundland and Labrador	003 1 Yes ☐	103		143		
Newfoundland and Labrador Offshore	004 1 Yes ☐	104		144		
Prince Edward Island	005 1 Yes ☐	105		145		
Nova Scotia	007 1 Yes ☐	107		147		
Nova Scotia Offshore	008 1 Yes ☐	108		148		
New Brunswick	009 1 Yes ☐	109		149		
Quebec	011 1 Yes ☐	111		151		
Ontario	013 1 Yes ☐	113		153		
Manitoba	015 1 Yes ☐	115		155		
Saskatchewan	017 1 Yes ☐	117		157		
Alberta	019 1 Yes ☐	119		159		
British Columbia	021 1 Yes ☐	121		161		
Yukon	023 1 Yes ☐	123		163		
Northwest Territories	025 1 Yes ☐	125		165		
Nunavut	026 1 Yes ☐	126		166		
Outside Canada	027 1 Yes ☐	127		167		
Total		129 G		169 H		

* "Permanent establishment" is defined in subsection 400(2).

** For corporations other than those described under section 402, use the appropriate calculation described in the Regulations to allocate taxable income.

Notes:

1. After determining the allocation of taxable income, you have to calculate the corporation's provincial or territorial tax payable. For more information on how to calculate the tax for each province or territory, see the instructions for Schedule 5 in the *T2 Corporation – Income Tax Guide*.
2. If the corporation has provincial or territorial tax payable, complete Part 2.
3. If the corporation is a member of a partnership and the partnership had a permanent establishment in a jurisdiction, select the jurisdiction in Column A and include your proportionate share of the partnership's salaries and wages and gross revenue in columns B and D, respectively.

Part 2 – Ontario tax payable, tax credits, and rebates

Total taxable income	Income eligible for small business deduction	Provincial or territorial allocation of taxable income	Provincial or territorial tax payable before credits
90,234,366		90,234,366	10,376,952

Ontario basic income tax (from Schedule 500) **270** 10,376,952

Deduct: Ontario small business deduction (from Schedule 500) **402**

Subtotal 10,376,952 ▶ 10,376,952 A6

Add:

Ontario additional tax re Crown royalties (from Schedule 504) **274**

Ontario transitional tax debits (from Schedule 506) **276**

Recapture of Ontario research and development tax credit (from Schedule 508) **277**

Subtotal ▶ B6

Subtotal (amount A6 **plus** amount B6) 10,376,952 C6

Deduct:

Ontario resource tax credit (from Schedule 504) **404**

Ontario tax credit for manufacturing and processing (from Schedule 502) **406**

Ontario foreign tax credit (from Schedule 21) **408**

Ontario credit union tax reduction (from Schedule 500) **410**

Ontario political contributions tax credit (from Schedule 525) **415**

Subtotal ▶ D6

Subtotal (amount C6 **minus** amount D6) (if negative, enter "0") 10,376,952 E6

Deduct: Ontario research and development tax credit (from Schedule 508) **416** 315,162

Ontario corporate income tax payable before Ontario corporate minimum tax credit and Ontario community food program donation tax credit for farmers (amount E6 **minus** amount on line 416) (if negative, enter "0") 10,061,790 F6

Deduct:

Ontario corporate minimum tax credit (from Schedule 510) **418** 2,657,189

Ontario community food program donation tax credit for farmers (from Schedule 2) **420**

Ontario corporate income tax payable (amount F6 **minus** amounts on line 418 and line 420) (if negative, enter "0") 7,404,601 G6

Add:

Ontario corporate minimum tax (from Schedule 510) **278**

Ontario special additional tax on life insurance corporations (from Schedule 512) **280**

Subtotal ▶ H6

Total Ontario tax payable before refundable credits (amount G6 **plus** amount H6) 7,404,601 I6

Deduct:

Ontario qualifying environmental trust tax credit **450**

Ontario co-operative education tax credit (from Schedule 550) **452** 1,062,207

Ontario apprenticeship training tax credit (from Schedule 552) **454** 50,160

Ontario computer animation and special effects tax credit (from Schedule 554) **456**

Ontario film and television tax credit (from Schedule 556) **458**

Ontario production services tax credit (from Schedule 558) **460**

Ontario interactive digital media tax credit (from Schedule 560) **462**

Ontario sound recording tax credit (from Schedule 562) **464**

Ontario book publishing tax credit (from Schedule 564) **466**

Ontario innovation tax credit (from Schedule 566) **468**

Ontario business-research institute tax credit (from Schedule 568) **470** 31,360

Subtotal 1,143,727 ▶ 1,143,727 J6

Net Ontario tax payable or refundable credit (amount I6 **minus** amount J6) **290** 6,260,874 K6
(if a credit, enter a negative amount) Include this amount on line 255.

Summary

Enter the total net tax payable or refundable credits for all provinces and territories on line 255.

Net provincial and territorial tax payable or refundable credits **255** 6,260,874

If the amount on line 255 is positive, enter the net provincial and territorial tax payable on line 760 of the T2 return.
If the amount on line 255 is negative, enter the net provincial and territorial refundable tax credits on line 812 of the T2 return.

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Schedule 6

Summary of Dispositions of Capital Property

Corporation's name	Business number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- Use this schedule if your corporation disposed of (actual or deemed) capital property or claimed an allowable business investment loss (ABIL), or both, in the tax year.
- Also use this schedule to make a designation under paragraph 111(4)(e) of the *Income Tax Act* if control of the corporation has been acquired by a person or a group of persons.
- For more information, see the section called "Schedule 6, Summary of Dispositions of Capital Property" in Guide T4012, *T2 Corporation – Income Tax Guide*.

Designation under paragraph 111(4)(e) of the Income Tax Act

Are any dispositions shown on this schedule related to deemed dispositions designated under paragraph 111(4)(e)? . . . . . 050 1 Yes ☐ 2 No ☒

If **yes**, attach a statement specifying which properties such a designation applies to.

Part 1 – Shares

1 Number of shares 100	2 Name of corporation in which the shares are held 105	3 Class of shares 106	4 Date of Acquisition YYYY/MM/DD 110	5 Proceeds of disposition 120	6 Adjusted cost base 130	7 Outlays and expenses from disposition 140	8 Gain (or loss) (column 5 **minus** columns 6 and 7) 150	Foreign source
			Totals					

Total adjustment under subsection 112(3) of the Act to all losses identified in Part 1 160

Actual gain or loss from the disposition of shares (total of column 8 **plus** line 160) . . . . . **A**

Part 2 – Real estate (Do not include losses on depreciable property)

	1 Municipal address of real estate (1 = Address 1, 2 = Address 2, 3 = City, 4 = Province, Country, Postal Code and Zip Code or Foreign Postal Code) 200	2 Date of Acquisition YYYY/MM/DD 210	3 Proceeds of disposition 220	4 Adjusted cost base 230	5 Outlays and expenses from disposition 240	6 Gain (or loss) (column 3 **minus** columns 4 and 5) 250	Foreign source
1	750 Huntingwood Drive		422,000	173,502	27,491	221,007	
2	169 Goulding Avenue		2,000,000	172,578	418,008	1,409,414	
	Totals		2,422,000	346,080	445,499	1,630,421	**B**

Part 3 – Bonds

1 Face value of bonds 300	2 Maturity date YYYY/MM/DD 305	3 Name of bond issuer 307	4 Date of Acquisition YYYY/MM/DD 310	5 Proceeds of disposition 320	6 Adjusted cost base 330	7 Outlays and expenses from disposition 340	8 Gain (or loss) (column 5 **minus** columns 6 and 7) 350	Foreign source
			Totals					**C**

Part 4 – Other properties (Do not include losses on depreciable property)

1 Description of other property 400	2 Date of Acquisition YYYY/MM/DD 410	3 Proceeds of disposition 420	4 Adjusted cost base 430	5 Outlays and expenses from disposition 440	6 Gain (or loss) (column 3 **minus** columns 4 and 5) 450	Foreign source
Totals						**D**

Note
Other property includes capital debts established as bad debts, as well as amounts that arise from foreign currency transactions.

Part 5 – Personal-use property (Do not include listed personal property)

1 Description of personal-use property 500	2 Date of Acquisition YYYY/MM/DD 510	3 Proceeds of disposition 520	4 Adjusted cost base 530	5 Outlays and expenses from disposition 540	6 Gain only (column 3 **minus** columns 4 and 5; if negative, enter "0") 550	Foreign source
Totals						**E**

Note
You cannot deduct losses on dispositions of personal-use property (other than listed personal property) from your income.

Part 6 – Listed personal property

1 Description of listed personal property 600	2 Date of Acquisition YYYY/MM/DD 610	3 Proceeds of disposition 620	4 Adjusted cost base 630	5 Outlays and expenses from disposition 640	6 Gain (or loss) (column 3 **minus** columns 4 and 5) 650	Foreign source
Totals						

Deduct: Unapplied listed personal property losses from other years (amount from line 530 of Schedule 4, *Corporation Loss Continuity and Application*) . . . . . 655 _____

Net gains (or losses) from the disposition of listed personal property (total of column 6 **minus** line 655) . . . . . _____ **F**

Note
Net listed personal property losses can only be applied against listed personal property gains.

Part 7 – Property qualifying for and resulting in an allowable business investment loss

1 Name of small business corporation 900	2 Shares, enter 1; debt, enter 2 905	3 Date of Acquisition YYYY/MM/DD 910	4 Proceeds of disposition 920	5 Adjusted cost base 930	6 Outlays and expenses from disposition 940	7 Loss only (column 4 **minus** columns 5 and 6) 950	Foreign source
Totals							

Allowable business investment losses (ABILs) . . . . . Total of Column 7 _____ x 50.0000 % = _____ **G**

Enter amount G on line 406 of Schedule 1, *Net Income (Loss) for Income Tax Purposes*.

Note
Properties listed in Part 7 should not be included in any other parts of this schedule.

Part 8 – Capital gains or losses

Total of amounts A to F (do not include amount F if it is a loss) . . . . . 1,630,421 H

Add:

Foreign source

Capital gains dividend received in the year . . . . . **875** I ☐

Capital gains reserve opening balance (from Part 1 of Schedule 13, *Continuity of Reserves,* enter the amount from line 8, *Balance at the beginning of the year* **plus** the amount from line 9, *Transfer on an amalgamation or the wind–up of a subsidiary*) . . . . . **880** J

Subtotal (total of amounts H to J) 1,630,421 K

Deduct: Capital gains reserve closing balance (from Schedule 13) . . . . . **885** L

Capital gains or losses, excluding ABILs (amount K **minus** amount L) . . . . . **890** 1,630,421 M

Part 9 – Taxable capital gains and total capital losses

Capital gains or losses, excluding ABILs (amount from line 890 in Part 8) . . . . . 1,630,421 N

Deduct the following amounts included in amount N, that are subject to the zero inclusion rate:

Note

When a taxpayer is entitled to an advantage in respect of a donation, the zero inclusion rate is restricted to only part of the taxpayer's capital gain on disposition of the property. See section 38.2 of the Act for more information.

Foreign source

Gain on the donation to a qualified donee of a share, debt obligation, or right listed on a designated stock exchange and other securities under subparagraphs 38(a.1)(i) and (iii) of the Act . . . . . **895** a ☐

Foreign source

Gain on the donation to a qualified donee of ecologically sensitive land under paragraph 38(a.2) of the Act* . . . . . **896** b ☐

Foreign source

Exempt portion of the gain on the donation of securities arising from the exchange of a partnership interest under paragraph 38(*a.3*) . . . . . b-2 ☐

Subtotal (amount a **plus** amount b **plus** b-2) ▶ O

Subtotal (amount N **minus** amount O) 1,630,421 P

Add:

Deemed capital gain from the donation of property included in a flow-through share class of property to a qualified donee under subsection 40(12) of the Act:

Exemption threshold at time of disposition . . . . . **897** c

The total of all capital gains from the disposition of the actual property . . . . . **898** d

Foreign source

Amount c or amount d, whichever is less Q ☐

Taxable capital gains under section 34.2 of the Act (line 275 of Schedule 73, *Income Inclusion Summary for Corporations that are Members of Partnerships*) . . . . . x 2 = **899** R

Subtotal (total of amounts P to R) 1,630,421 S

Deduct:

Allowable capital losses under section 34.2 of the Act (line 285 of Schedule 73, *Income Inclusion Summary for Corporations that are Members of Partnerships*) . . . . . x 2 = **901** T

Total capital gains or losses (amount S **minus** amount T) 1,630,421 U

Taxable capital gains or total capital losses

Total capital losses (amount U, if amount U is negative; if amount U is positive, enter "0") V

Enter amount V on line 210 of Schedule 4.

Taxable capital gains (if amount U is positive, enter amount U 1,630,421 multiplied by 50.0000 %; if amount U is negative, enter "0") . . . . . 815,211 W

Enter amount W on line 113 of Schedule 1.

***** Do not include gains on donations of ecologically sensitive land to a private foundation.

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Schedule 7

Aggregate Investment Income and Active Business Income

Corporation's name	Business number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- This schedule is for the use of Canadian-controlled private corporations (CCPCs) to calculate:
  - for the purpose of determining the refundable portion of Part I tax, aggregate investment income and foreign investment income, as defined in subsection 129(4) of the *Income Tax Act;*
  - specified partnership income, when the CCPC is a member of one or more partnership(s); and
  - income from an active business carried on in Canada for the small business deduction.
- For more information, see the sections called "Small Business Deduction" and "Refundable Portion of Part I Tax" in Guide T4012, *T2 Corporation – Income Tax Guide.*

Part 1 – Aggregate investment income

The aggregate investment income is the aggregate **world** source income.

Eligible portion of taxable capital gains for the year . . . . . **002** 815,211 A

Deduct:

Eligible portion of allowable capital losses for the year (including allowable business investment losses) . . . . . **012** a

Net capital losses of previous years claimed on line 332 on the T2 return . . . . . **022** b

Subtotal (amount a **plus** amount b) ▶ B

Amount A **minus** amount B (if negative, enter "0") 815,211 C

Total income from property (include income from a specified investment business carried on in Canada other than income from a source outside Canada) . . . . . **032** c

Deduct:

Exempt income **042** 1

Amounts received from AgriInvest Fund No. 2 that were included in computing the corporation's income for the year **052** 2

Taxable dividends deductible (total of column F on Schedule 3 **minus** related expenses) **062** 3

Business income from an interest in a trust that is considered property income under paragraph 108(5)(a) . **072** 4

Subtotal (**add** amounts 1 to 4) ▶ d

Subtotal (amount c **minus** amount d) ▶ D

Amount C **plus** amount D 815,211 E

Total losses from property (include losses from a specified investment business carried on in Canada other than a loss from a source outside Canada) . . . . . **082** F

Amount E **minus** amount F (if negative, enter "0") . . . . . **092** 815,211 G

Enter amount G on line 440 of the T2 return.

Part 2A – Canadian investment income calculation

Eligible portion of taxable capital gains for the year before taking into account the capital gains reserve (federal) of Schedule 13	815,211	1.1	
Reserve's eligible portion (addition/deduction)		1.2	
Taxable capital gains under section 34.2 of the ITA		1.3	
The eligible portion of taxable capital gains for the year after taking into account the capital gains reserve (federal) of Schedule 13 (total of amounts 1.1, 1.2 and 1.3) ▶	815,211		815,211 1a
Deduct:			
Eligible portion of allowable capital losses for the year (including allowable business investment losses)		2a	
Net capital losses of previous years of other years claimed on line 332 on the T2 return		3a	
Allowable capital losses under section 34.2 of the ITA		3.1	
Total of amounts 2a, 3a and 3.1 ▶			4a
Amount 1a **minus** amount 4a (if negative, enter "0")			815,211 5a
Taxable dividends		6.1	
Rental property income (under regulation 1100(11))		6.2	
Other property income		6.3	
Property income under section 34.2 of the ITA (line 280 of Schedule 73, *Income Inclusion Summary for Corporations that are Members of Partnerships*)		6.4	
Total property income from **Canadian** sources ▶			6a
Deduct:			
Exempt income		7a	
Amounts received from AgriInvest Fund No. 2 that were included in computing the corporation's income for the year		8a	
Taxable dividends deductible (total of column F on Schedule 3 **minus** related expenses)		9a	
Business income from an interest in a trust that is considered property income under paragraph 108(5)(a)		10a	
Total of amounts 7a to 10a ▶			11a
Amount 6a **minus** amount 11a			12a
Amount 5a **plus** amount 12a			815,211 13a
Rental property losses (under regulation 1100(11))		14.1	
Dividend losses		14.2	
Other property losses		14.3	
Property losses under section 34.2 of the ITA (line 280 of Schedule 73, *Income Inclusion Summary for Corporations that are Members of Partnerships*)		14.4	
Total property losses from **Canadian** sources ▶			14a
Amount 13a **minus** amount 14a (if negative, enter "0")			815,211 15a

Part 2 – Foreign investment income

The foreign investment income is all income from sources **outside Canada**.

Eligible portion of taxable capital gains for the year before taking into account the capital gains reserve (federal) of Schedule 13 . . . . . H1

Reserve's eligible portion (addition/deduction) H2

Taxable capital gains under section 34.2 of the ITA* H3

Eligible portion of taxable capital gains for the year after taking into account the capital gains reserve (federal) of Schedule 13 (total of amounts H1, H2 and H3) . . . . . ▶ 001 H

Allowable capital losses for the year I1

Allowable capital losses under section 34.2 of the ITA* I2

Eligible portion of allowable capital losses for the year (including allowable business investment losses) (total of amounts I1 and I2) . . . . . ▶ 009 I

Subtotal (amount H **minus** amount I) (if negative, enter "0") J

Taxable dividends e1

Rental property income (under regulation 1100(11)) e2

Other property income e3

Property income under section 34.2 of the ITA (line 280 of Schedule 73, *Income Inclusion Summary for Corporations that are Members of Partnerships*)* e4

Total income from property from a source **outside Canada** (net of related expenses) . . . . . ▶ 019 e

Deduct:

Exempt income 029 5

Taxable dividends deductible (total of column F on Schedule 3 **minus** related expenses) 049 6

Business income from an interest in a trust that is considered property income under paragraph 108(5)(a) . 059 7

Subtotal (**add** amounts 5 to 7) ▶ f

Subtotal (amount e **minus** amount f) ▶ K

Amount J **plus** amount K L

Rental property losses (under regulation 1100(11)) M1

Dividend losses M2

Other property losses M3

Property losses under section 34.2 of the ITA (line 280 of Schedule 73, *Income Inclusion Summary for Corporations that are Members of Partnerships*)* M4

Total losses from property from a source **outside Canada** . . . . . ▶ 069 M

Amount L **minus** amount M (if negative, enter "0") . . . . . 079 N

(enter amount N on line 445 of the T2 return)

* When an amount is entered on these lines, the amounts calculated for the taxable capital gains or allowable capital losses on lines 1.3 and 3.1 as well as property income or losses on lines 6.4 and 14.3 in Part 2A, "Canadian investment income calculation" are automatically updated. For more details, press F1 to consult the Help.

Net taxable dividends	Canadian	Foreign	Total
Taxable dividends deducted per schedule 3			
Less: Expenses related to such dividends			
Total expenses			
Net taxable dividends			

Part 3 – Specified partnership income

	A		B
Is the corporation a designated member of the partnership?*	Partnership name **200**	Partnership's account number	Total income (loss) of partnership from an active business **300**
Yes / No			

C	D1	D2	D3	D	E
Corporation's share of amount column B **310**	Adjustment under section 34.2**	Expenses incurred to earn partnership income	Income amount earned by the corporation for the year from the provision of services or property to the partnership*	Adjustments (column D1 **minus** column D2 **plus** column D3) **315**	Corporation's income (loss) of the partnership (column C **plus** column D) **320**
				Total	**350**

E1	E2	F	G	H	I
Amount assigned by a member of the partnership to the corporation that is a designated member of the partnership*	Specified partnership's business limit amount assigned by the corporation to a designated member of the partnership*	Number of days in the partnership's fiscal period **325**	Prorated business limit or assigned amount*** **330**	Column E **minus** column G (if negative, enter "0")	Lesser of columns E and G (if column E is negative, enter "0") **340**
				Total **385**	**360**

Corporation's losses for the year from an active business carried on in Canada (other than as a member of a partnership) – enter as a positive amount . . . . . **370** _____ g

Specified partnership loss of the corporation for the year – enter as a positive amount (total of all negative amounts in column E) . . . . . **380** _____ h

Subtotal (amount g **plus** amount h) _____ i

Amount at line 385 or amount i, whichever is less . . . . . **390** _____ O

Specified partnership income (line 360 **plus** amount O) . . . . . **400** _____ P

Enter amount P at line T in Part 4.

Part 3 – Specified partnership income (continued)

* As a result of the tabling of Bill C-29, *A second Act to implement certain provisions of the budget tabled in Parliament on March 22, 2016 and other measures*, on October 25, 2016, modifications have been made to the calculations of the specified partnership's income. For more information, consult the Help (F1).

** In general, amounts included under subsections 34.2(2), (3), and (12) or claimed under subsections 34.2(4) and (11) are deemed to have the **same character** and be in the **same proportions** as the partnership income they relate to. For example, if a corporation receives $100,000 of partnership income for the partnership's fiscal period ending in its tax year, and that income is made up of $40,000 of active business income, $30,000 of income from property, and $30,000 as a taxable capital gain, the corporation's adjusted stub period accrual (ASPA) in respect of the partnership would be 40% active business income, 30% property income, and 30% taxable capital gains. Add or deduct **only the portion** of the following amounts that is deemed under subsection 34.2(5) to be **active business income**:

Add:

– the ASPA under subsection 34.2(2) (column 4 of Schedule 73)

– the income inclusion for a new corporate member of a partnership under subsection 34.2(3) (column 6 of Schedule 73)

– the previous-year transitional reserve under subsection 34.2(12) (column 12 of Schedule 73)

Deduct:

– the previous-year ASPA under subsection 34.2(4) (column 5 of Schedule 73)

– the previous-year income inclusion for a new corporate member of a partnership under subsection 34.2(4) (column 7 of Schedule 73)

– the current-year transitional reserve under subsection 34.2(11) (column 11 of Schedule 73)

*** When the corporation is a member of the partnership, Column G is equal to the result of the following equation: (column C ÷ column B) x ($500,000 x (column F ÷ 365)) - column E2. If the total in column C is negative, enter “0.”

When a partnership carries on more than one business, one of which generates income and another of which realizes a loss, the loss is not netted against the partnership's income for the purpose of calculating the prorated business limit in column G. Enter on line h the total of all loss from column E.

When the corporation is a designated member of the partnership, Column G is equal to the amount in column E1.

Part 4 – Partnership income not eligible for the small business deduction

Corporation's share of partnership income from active businesses carried on in Canada after deducting related expenses – from line 350 in Part 3 (if the net amount is negative, enter "0" on line U)		Q
Specified partnership loss (from amount h in Part 3)		R
Subtotal (amount Q **plus** amount R)		S
Deduct:		
Specified partnership income (from amount P in Part 3)		T
Partnership income not eligible for the small business deduction (amount S **minus** amount T) (enter on line p in Part 5)	450	U

Part 5 – Income from active business carried on in Canada

Net income for income tax purposes from line 300 of the T2 return		90,427,842	j	
Plus:				
Allowable business investment loss from line 406 of Schedule 1			k	
Subtotal (amount j **plus** amount k)		90,427,842 ▶		90,427,842 V
Deduct:				
Foreign business income after deducting related expenses*	500		l	
Taxable capital gains from line 113 of Schedule 1		815,211	m	
Net property income (amount c** **minus** amounts 1, 2, and F* in Part 1)			n	
Personal services business income and other income after deducting related expenses*	520		o	
Corporate income not eligible for the small business deduction (amount A minus B from part 6)***			o.1	
Income deemed to be active business income under subsection 129(6) ITA from an associated corporation that is not a CCPC or that is a CCPC that elects to be a third corporation under subsection 256(2)ITA***			o.2	
Subtotal (**add** amounts l to o.2)		815,211 ▶		815,211 W
Net amount (amount V **minus** amount W)				89,612,631 X
Deduct:				
Partnership income not eligible for the small business deduction (amount U in Part 4)			p	
Income allocated to the corporation under subsection 96(1.1)	530		q	
Subtotal (amount p **plus** amount q)		▶		Y
Income from active business carried on in Canada (amount X **minus** amount Y)				89,612,631 Z

(enter amount Z on line 400 of the T2 return - if negative, enter "0")

* If negative, enter amount in brackets, and **add** instead of **subtracting**.

** Net of related expenses.

*** As a result of the tabling of Bill C-29, *A second Act to implement certain provisions of the budget tabled in Parliament on March 22, 2016 and other measures*, on October 25, 2016, modifications have been made to the calculations of the income from active business. For more information, consult the Help (F1).

Part 6 – Specified corporate income and assignment under subsection 125(3.2)

A CCPC with a tax year starting before March 22, 2016 can assign part or all of its business limit to your corporation for the 2016 tax year if the tax year of your corporation started after March 21, 2016.

	1 Name of corporation assigning business limit	2 Business number of the corporation assigning business limit	3 Income not eligible for the small business deduction **received from** the corporation identified in column 1 [under clause 125(1)(a)(i)(B)]*	4 Business limit assigned **from** Corporation identified in column 1**
1				

Total A _____ Total B _____

* This amount is [as defined in subsection 125(7) **specified corporate income** (a)(i)] the total of all amounts each of which is income from an active business of the corporation for the year from the provision of services or property to a private corporation (directly or indirectly, in any manner whatever) if

(A) at any time in the year, the corporation (or one of its shareholders) or a person who does not deal at arm's length with the corporation (or one of its shareholders) holds a direct or indirect interest in the private corporation, and

(B) it is not the case that all or substantially all of the corporation's income for the year from an active business is from the provision of services or property to

(I) persons (other than the private corporation) with which the corporation deals at arm's length, or

(II) partnerships with which the corporation deals at arm's length, other than a partnership in which a person that does not deal at arm's length with the corporation holds a direct or indirect interest.

** The amount of business limit assigned in column 4 **cannot** be more than column 3.

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Schedule 8

Capital Cost Allowance (CCA)

Corporation's name	Business Number	Tax year end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

For more information, see the section called "Capital Cost Allowance" in the *T2 Corporation Income Tax Guide*.

Is the corporation electing under *Regulation* 1101(5q)? **101** 1 Yes ☐ 2 No ☒

	1 Class number (See Note) **200**	Description	2 Undepreciated capital cost at the beginning of the year (amount from column 12 of last year's schedule 8) **201**	3 Cost of acquisitions during the year (new property must be available for use)* **203**	4 Adjustments and transfers** **205**	5 Proceeds of dispositions during the year (amount not to exceed the capital cost) **207**	6 50% rule (1/2 of the amount, if any, by which the net cost of acquisitions exceeds column 5)*** **211**	7 Reduced undepreciated capital cost	8 CCA rate % **** **212**	9 Recapture of capital cost allowance***** (line 107 of Schedule 1) **213**	10 Terminal loss (line 404 of Schedule 1) **215**	11 Capital cost allowance (for declining balance method, column 7 **multiplied** by column 8, or a lower amount) (line 403 of Schedule 1) ****** **217**	12 Undepreciated capital cost at the end of the year (column 6 **plus** column 7 **minus** column 11) **220**
1.	1		1,037,708,320	55,682,124		221,419	27,730,353	1,065,438,672	4	0	0	42,617,547	1,050,551,478
2.	8		23,336,568	7,878,985		0	3,939,493	27,276,060	20	0	0	5,455,212	25,760,341
3.	10		10,313,061	3,412,059		71,045	1,670,507	11,983,568	30	0	0	3,595,070	10,059,005
4.	12		6,803,517	10,088,375		0	5,044,188	11,847,704	100	0	0	11,847,704	5,044,188
5.	17		20,988,930	2,916,879		39,710	1,438,585	22,427,514	8	0	0	1,794,201	22,071,898
6.	2		273,664,743			0		273,664,743	6	0	0	16,419,885	257,244,858
7.		CWIP	566,645,539		-70,555,724	0		496,089,815	0	0	0		496,089,815
8.	45	computer hardware	24,702			0		24,702	45	0	0	11,116	13,586
9.	47	ELECTRICITY DISTRIBUTION EQ	1,770,735,464	379,714,138		0	189,857,069	1,960,592,533	8	0	0	156,847,403	1,993,602,199
10.	13	2006 Additions				0			NA	0	0		
11.	13	2007 Additions				0			NA	0	0		
12.	42	Fibre	28,970	4,902,732		0	2,451,366	2,480,336	12	0	0	297,640	4,634,062
13.	50	Computers acquired after March	11,663,603	20,308,499		0	10,154,250	21,817,852	55	0	0	11,999,819	19,972,283
14.	13	2008 Additions				0			NA	0	0		
15.	13	2009 Additions				0			NA	0	0		
16.	13	2010 Additions				0			NA	0	0		
17.	43.2		949,467	2,463,651		0	1,231,826	2,181,292	50	0	0	1,090,646	2,322,472
18.	13	2011 Additions	19,181			0		19,181	NA	0	0	19,181	
19.	13	2012 additions	176,240			0		176,240	NA	0	0	117,492	58,748
20.	46		143,700	21,481,106		0	10,740,553	10,884,253	30	0	0	3,265,276	18,359,530
21.	13	2014 addition	36,684			0		36,684	NA	0	0	10,481	26,203
22.	6		1,720,988	351,806		0	175,903	1,896,891	10	0	0	189,689	1,883,105
		Totals	3,724,959,677	509,200,354	-70,555,724	332,174	254,434,093	3,908,838,040				255,578,362	3,907,693,771

Note: Class numbers followed by a letter indicate the basic rate of the class taking into account the additional deduction allowed. Class 1a: 4% + 6% = 10% (class 1 to 10%), class 1b: 4% + 2% = 6% (class 1 to 6%).

* Include any property acquired in previous years that has now become available for use. This property would have been previously excluded from column 3. List separately any acquisitions that are not subject to the 50% rule, see *Regulation* 1100(2) and (2.2).

** Enter in column 4, "Adjustments and transfers", amounts that increase or reduce the undepreciated capital cost. Items that **increase** the undepreciated capital cost include amounts transferred under section 85, or transferred on amalgamation or winding-up of a subsidiary. Items that **reduce** the undepreciated capital cost include government assistance received or entitled to be received in the year, or a reduction of capital cost after the application of section 80. See the *T2 Corporation Income Tax Guide* for other examples of adjustments and transfers to include in column 4.

*** The net cost of acquisitions is the cost of acquisitions (column 3) **plus** or **minus** certain adjustments and transfers from column 4. For information on the exceptions to the 50% rule, as well as how to calculate the amounts to enter in column 6 in those cases, see Interpretation Bulletin IT-285, *Capital Cost Allowance - General Comments*.

**** Enter a rate only if you are using the declining balance method. For any other method (for example the straight-line method, where calculations are always based on the cost of acquisitions), enter N/A. Then enter the amount you are claiming in column 11.

***** For every entry in column 9, the "Recapture of capital cost allowance" there must be a corresponding entry in column 5, "Proceeds of dispositions during the year". The recapture and terminal loss rules do not apply to passenger vehicles in Class 10.1.

****** If the tax year is shorter than 365 days, prorate the CCA claim. Some classes of property do not have to be prorated. See the *T2 Corporation Income Tax Guide* for more information.

T2 SCH 8 (14)

Canada

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SCHEDULE 9

RELATED AND ASSOCIATED CORPORATIONS

Name of corporation	Business Number	Tax year end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- Complete this schedule if the corporation is related to or associated with at least one other corporation.
- For more information, see the *T2 Corporation Income Tax Guide*.

	Name 100	Country of residence (other than Canada) 200	Business number (see note 1) 300	Relationship code (see note 2) 400	Number of common shares you own 500	% of common shares you own 550	Number of preferred shares you own 600	% of preferred shares you own 650	Book value of capital stock 700
1.	TORONTO HYDRO CORPORATION		[redacted]	1					
2.	TORONTO HYDRO ENERGY SERVIC			3					

Note 1: Enter "NR" if the corporation is not registered or does not have a business number.
Note 2: Enter the code number of the relationship that applies from the following order: 1 - Parent 2 - Subsidiary 3 - Associated 4 - Related but not associated

T2 SCH 9 (11)

Canada

Canada Revenue Agency / Agence du revenu du Canada

SCHEDULE 10

CUMULATIVE ELIGIBLE CAPITAL DEDUCTION

Name of corporation	Business Number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- For use by a corporation that has eligible capital property. For more information, see the *T2 Corporation Income Tax Guide*.
- A separate cumulative eligible capital account must be kept for each business.

Part 1 – Calculation of current year deduction and carry-forward

Cumulative eligible capital - Balance at the end of the preceding taxation year (if negative, enter "0") . . . . . **200** 20,633,148 A

Add: Cost of eligible capital property acquired during the taxation year **222** 46,671,653

Other adjustments **226**

Subtotal (line 222 plus line 226) 46,671,653 x 3 / 4 = 35,003,740 B

Non-taxable portion of a non-arm's length transferor's gain realized on the transfer of an eligible capital property to the corporation after December 20, 2002 . . . . . **228** x 1 / 2 = C

amount B minus amount C (if negative, enter "0") 35,003,740 ▶ 35,003,740 D

Amount transferred on amalgamation or wind-up of subsidiary . . . . . **224** E

Subtotal (add amounts A, D, and E) **230** 55,636,888 F

Deduct: Proceeds of sale (less outlays and expenses not otherwise deductible) from the disposition of all eligible capital property during the taxation year . . . . **242** G

The gross amount of a reduction in respect of a forgiven debt obligation as provided for in subsection 80(7) . . . . . **244** H

Other adjustments . . . . . **246** I

(add amounts G,H, and I) x 3 / 4 = **248** J

Cumulative eligible capital balance (amount F minus amount J) . . . . . 55,636,888 K

(if amount K is negative, enter "0" at line M and proceed to Part 2)

Cumulative eligible capital for a property no longer owned after ceasing to carry on that business **249**

amount K 55,636,888

less amount from line 249

Current year deduction . . . . . 55,636,888 x 7.00 % = **250** 3,894,582 *

(line 249 plus line 250) (enter this amount at line 405 of Schedule 1) 3,894,582 ▶ 3,894,582 L

Cumulative eligible capital – Closing balance (amount K minus amount L) (if negative, enter "0") . . . . . **300** 51,742,306 M

* You can claim any amount up to the maximum deduction of 7%. The deduction may not exceed the maximum amount prorated by the number of days in the taxation year divided by 365.

Part 2 – Amount to be included in income arising from disposition

(complete this part only if the amount at line K is negative)

Amount from line K (show as positive amount)				N
Total of cumulative eligible capital (CEC) deductions from income for taxation years beginning after June 30, 1988	400		1	
Total of all amounts which reduced CEC in the current or prior years under subsection 80(7)	401		2	
Total of CEC deductions claimed for taxation years beginning before July 1, 1988	402		3	
Negative balances in the CEC account that were included in income for taxation years beginning before July 1, 1988	408		4	
Line 3 minus line 4 (if negative, enter "0")		▶	5	
Total of lines 1, 2 and 5			6	
Amounts included in income under paragraph 14(1)(b), as that paragraph applied to taxation years ending after June 30, 1988 and before February 28, 2000, to the extent that it is for an amount described at line 400			7	
Amounts at line T from Schedule 10 of previous taxation years ending after February 27, 2000			8	
Subtotal (line 7 plus line 8)	409	▶	9	
Line 6 minus line 9 (if negative, enter "0")		▶		O
Line N minus line O (if negative, enter "0")				P
Line 5 _____ x 1 / 2 =				Q
Line P minus line Q (if negative, enter "0")				R
Amount R _____ x 2 / 3 =				S
Amount N or amount O, whichever is less				T
Amount to be included in income (amount S plus amount T) (enter this amount on line 108 of Schedule 1)	410			

Continuity of financial statement reserves (not deductible)

Financial statement reserves (not deductible)

	Description	Balance at the beginning of the year	Transfer on an amalgamation or the wind-up of a subsidiary	Add	Deduct	Balance at the end of the year
1	POEB	296,520,000			16,035,000	280,485,000
2	Termination Accrual	137,273		90,419		227,692
	Reserves from Part 2 of Schedule 13					
	Totals	296,657,273		90,419	16,035,000	280,712,692

The total opening balance plus the total transfers should be entered on line 414 of Schedule 1 as a deduction.
The total closing balance should be entered on line 126 of Schedule 1 as an addition.

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Schedule 23

Agreement Among Associated Canadian-Controlled Private Corporations to Allocate the Business Limit

- For use by a Canadian-controlled private corporation (CCPC) to identify all associated corporations and to assign a percentage for each associated corporation. This percentage will be used to allocate the business limit for purposes of the small business deduction. Information from this schedule will also be used to determine the date the balance of tax is due and to calculate the reduction to the business limit.
- An associated CCPC that has more than one tax year ending in a calendar year, is required to file an agreement for each tax year ending in that calendar year.

Column 1: Enter the legal name of each of the corporations in the associated group. Include non-CCPCs and CCPCs that have filed an election under subsection 256(2) of the *Income Tax Act* not to be associated for purposes of the small business deduction.

Column 2: Provide the business number for each corporation (if a corporation is not registered, enter "NR").

Column 3: Enter the association code from the list below that applies to each corporation:

1 – Associated for purposes of allocating the business limit (unless code 5 applies)
2 – CCPC that is a "third corporation" that has elected under subsection 256(2) not to be associated for purposes of the small business deduction
3 – Non-CCPC that is a "third corporation" as defined in subsection 256(2)
4 – Associated non-CCPC
5 – Associated CCPC to which code 1 does not apply because of a subsection 256(2) election made by a "third corporation"

Column 4: Enter the business limit for the year of each corporation in the associated group.

Column 5: Assign a percentage to allocate the business limit to each corporation that has an association code 1 in column 3. The total of all percentages in column 5 cannot exceed 100%.

Column 6: Enter the business limit allocated to each corporation by multiplying the amount in column 4 by the percentage in column 5. Add all business limits allocated in column 6 and enter the total at line A.

Ensure that the total at line A does not exceed $500,000.

Allocating the business limit

Date filed (do not use this area) . . . . . 025 — Year Month Day

Enter the calendar year to which the agreement applies . . . . . 050 — Year: 2016

Is this an amended agreement for the above calendar year that is intended to replace an agreement previously filed by any of the associated corporations listed below? . . . . . 075 — 1 Yes ☐ 2 No ☒

	1 Names of associated corporations 100	2 Business number of associated corporations 200	3 Asso-ciation code 300	4 Business limit for the year before the allocation $	5 Percentage of the business limit % 350	6 Business limit allocated* $ 400
1	TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	1	500,000	100.0000	500,000
2	TORONTO HYDRO CORPORATION		1	500,000		
3	TORONTO HYDRO ENERGY SERVICES INC.		1	500,000		
				Total	100.0000	500,000 A

Business limit reduction under subsection 125(5.1) of the Act

The business limit reduction is calculated in the small business deduction area of the T2 return. One of the factors used in this calculation is the "large corporation amount" at line 415 of the T2 return. The amount at line 415 is determined using the formula 0.225% x (D - $10,000,000). Details of this formula and variable D are in subsection 125(5.1) of the Act.

* Each corporation will enter on line 410 of the T2 return, the amount allocated to it in column 6. However, if the corporation's tax year is less than 51 weeks, prorate the amount in column 6 by the number of days in the tax year divided by 365, and enter the result on line 410 of the T2 return.

Special rules for business limit

Special rules apply under subsection 125(5) if a CCPC has more than one tax year ending in the same calendar year and it is associated in more than one of those tax years with another CCPC that has a tax year ending in that calendar year. The business limit for the second or later tax year will be equal to the business limit determined for the first tax year ending in the calendar year or the business limit determined for the second or later tax year ending in the same calendar year, whichever is less.

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Schedule 31

Investment Tax Credit – Corporations

General information

- Use this schedule:
  - to calculate an investment tax credit (ITC) earned during the tax year;
  - to claim a deduction against Part I tax payable;
  - to claim a refund of credit earned during the current tax year;
  - to claim a carryforward of credit from previous tax years;
  - to transfer a credit following an amalgamation or wind-up of a subsidiary, as described under subsections 87(1) and 88(1);
  - to request a credit carryback to one or more previous years; or
  - if you are subject to a recapture of ITC.
- Unless otherwise noted, all legislative references are to the *Income Tax Act* and the *Income Tax Regulations*.
- The ITC is eligible for a three-year carryback (if not deductible in the year earned). It is also eligible for a twenty-year carryforward.
- Investments or expenditures, described in subsection 127(9) and Regulation Part XLVI, that earn an ITC are:
  - qualified property and qualified resource property (Parts 4 to 7 of this schedule);
  - expenditures that are part of the scientific research and experimental development (SR&ED) qualified expenditure pool (Parts 8 to 17). File Form T661, *Scientific Research and Experimental Development (SR&ED) Expenditures Claim*;
  - pre-production mining expenditures (Parts 18 to 20);
  - apprenticeship job creation expenditures (Parts 21 to 23); and
  - child care spaces expenditures (Parts 24 to 28).
- Include a completed copy of this schedule with the *T2 Corporation Income Tax Return*. If you need more space, attach additional schedules.
- For more information on ITCs, see "Investment Tax Credit" in Guide T4012, *T2 Corporation – Income Tax Guide*, Information Circular IC78-4, *Investment Tax Credit Rates*, and its related Special Release.
- For more information on SR&ED, see T4088, *Guide to Form T661 – Scientific Research and Experimental Development (SR&ED) Expenditures Claim*. Also see the *Eligibility of Work for SR&ED Investment Tax Credits Policy* at **cra.gc.ca/txcrdt/sred-rsde/clmng/lgbltywrkfrsrdnvstmnttxcrdts-eng.html**.

Detailed information

- For the purpose of this schedule, **investment** means the capital cost of the property (excluding amounts added by an election under section 21), determined without reference to subsections 13(7.1) and 13(7.4), minus the amount of any government or non-government assistance that the corporation has received, is entitled to receive, or can reasonably be expected to receive for that property when it files the income tax return for the year in which the property was acquired.
- An ITC deducted or refunded in a tax year for a depreciable property, other than a depreciable property deductible under paragraph 37(1)(b), reduces both the capital cost of that property and the undepreciated capital cost of that class in the next tax year. An ITC for SR&ED deducted or refunded in a tax year will reduce the balance in the pool of deductible SR&ED expenditures and the adjusted cost base (ACB) of an interest in a partnership in the next tax year. An ITC from pre-production mining expenditures deducted in a tax year reduces the balance in the pool of deductible cumulative Canadian exploration expenses in the next tax year.
- Property acquired has to be **available for use** before a claim for an ITC can be made. See subsections 127(11.2) and 248(19) for more information.
- Expenditures for SR&ED and capital costs for a property qualifying for an ITC must be identified by the claimant on Form T661 and Schedule 31 no later than 12 months after the claimant's income tax return is due for the tax year in which it incurred the expenditures or capital costs.
- Expenditures for pre-production mining, apprenticeship, or child care space for an ITC must be identified by the claimant on Schedule 31 no later than 12 months after the claimant's income tax return is due for the tax year in which it incurred the expenditures or capital costs.
- Partnership allocations – Subsection 127(8) provides for the allocation of the amount that may reasonably be considered to be a partner's share of the ITCs of the partnership at the end of the fiscal period of the partnership. An allocation of ITCs is generally considered to be the partner's reasonable share of the ITCs if it is made in the same proportion in which the partners have agreed to share any income or loss and if section 103 is not applicable for the agreement to share any income or loss. Special rules apply to specified and limited partners. For more information, see Guide T4068, *Guide for the Partnership Information Return*.
- For SR&ED expenditures, the expression **in Canada** includes the "exclusive economic zone" (as defined in the *Oceans Act* to generally consist of an area that is within 200 nautical miles from the Canadian coastline), including the airspace, seabed and subsoil for that zone.
- For the purpose of this schedule, the expression **Atlantic Canada** includes the Gaspé Peninsula and the provinces of Newfoundland and Labrador, Prince Edward Island, Nova Scotia, and New Brunswick, as well as their respective offshore regions (prescribed in Regulation 4609).
- For the purpose of this schedule, **qualified property** means property in Atlantic Canada that is used primarily for manufacturing and processing, farming or fishing, logging, storing grain, or harvesting peat. Property in Atlantic Canada that is used primarily for oil and gas, and mining activities is considered qualified property only if acquired by the taxpayer **before** March 29, 2012. Qualified property includes new buildings and new machinery and equipment (prescribed in Regulation 4600), and if acquired by the taxpayer **after** March 28, 2012, new energy generation and conservation property (prescribed in Regulation 4600). Qualified property can also be used primarily to produce or process electrical energy or steam in a prescribed area (as described in Regulation 4610). See the definition of **qualified property** in subsection 127(9) for more information.

Detailed information (continued)

- For the purpose of this schedule, **qualified resource property** means property in Atlantic Canada that is used primarily for oil and gas, and mining activities, if acquired by the taxpayer **after** March 28, 2012, and **before** January 1, 2016. Qualified resource property includes new buildings and new machinery and equipment (prescribed in Regulation 4600). See the definition of **qualified resource property** in subsection 127(9) for more information.
- For the purpose of this schedule, **pre-production mining exploration expenditures** are pre-production mining expenditures incurred **after** March 28, 2012, by the taxpayer to determine the existence, location, extent, or quality of certain mineral resources in Canada, excluding expenses incurred in the exploration of an oil or gas well. See subparagraph (a)(i) of the definition of **pre-production mining expenditure** in subsection 127(9) for more information.
- For the purpose of this schedule, **pre-production mining development expenditures** are pre-production mining expenditures incurred **after** March 28, 2012, by the taxpayer to bring a new mineral resource mine in Canada into production, excluding expenses in the development of a bituminous sands deposit or an oil shale deposit. See subparagraph (a)(ii) of the definition of **pre-production mining expenditure** in subsection 127(9) for more information.

Part 1 – Investments, expenditures, and percentages

Investments	**Specified percentage**
Qualified property acquired primarily for use in Atlantic Canada	10 %
Qualified resource property acquired primarily for use in Atlantic Canada and acquired:	
– after March 28, 2012, and before 2014	10 %
– after 2013 and before 2016	5 %
– after 2015*	0 %
Expenditures	
If you are a Canadian-controlled private corporation (CCPC), this percentage may apply to the portion that you claim of the SR&ED qualified expenditure pool that does not exceed your expenditure limit (see Part 10)	35 %
Note: If your current year's qualified expenditures are more than your expenditure limit (see Part 10 on page 5), the excess is eligible for an ITC calculated at the 20 % rate**.	
If you are a corporation that is not a CCPC and have incurred qualified expenditures for SR&ED in any area in Canada:	
– before 2014**	20 %
– after 2013**	15 %
If you are a taxable Canadian corporation that incurred pre-production mining expenditures before March 29, 2012	10 %
If you are a taxable Canadian corporation that incurred pre-production mining exploration expenditures:	
– after March 28, 2012, and before 2013	10 %
– in 2013	5 %
– after 2013	0 %
If you are a taxable Canadian corporation that incurred pre-production mining development expenditures***:	
– after March 28, 2012, and before 2014	10 %
– in 2014	7 %
– in 2015	4 %
– after 2015	0 %
If you paid salary and wages to apprentices in the first 24 months of their apprenticeship contract for employment	10 %
If you incurred eligible expenditures after March 18, 2007, for the creation of licensed child care spaces for the children of your employees and, potentially, for other children	25 %

* A transitional relief rate of 10% may apply to property acquired after 2013 and before 2017, if the property is acquired under a written agreement entered into before March 29, 2012, or the property is acquired as part of a **phase** of a project where the construction or the engineering and design work for the construction started before March 29, 2012. See paragraph (a.1) of the definition of **specified percentage** in subsection 127(9) for more information.

** The reduction of the rate from 20% to 15% applies to 2014 and later tax years, except that, for 2014 tax years that start before 2014, the reduction is pro-rated based on the number of days in the tax year that are after 2013.

*** A transitional relief rate may apply to expenditures incurred after 2013 and before 2016, if the expenditure is incurred under a written agreement entered into before March 29, 2012, or the expenditure is incurred as part of the development of a new mine where the construction or the engineering and design work for the construction of the new mine started before March 29, 2012. See subparagraphs (k)(ii) and (iii) of the definition of **specified percentage** in subsection 127(9) for more information.

Corporation's name	Business number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

Part 2 – Determination of a qualifying corporation

Is the corporation a qualifying corporation? . . . . . **101** 1 Yes ☐ 2 No ☒

For the purpose of a refundable ITC, a **qualifying corporation** is defined under subsection 127.1(2). The corporation has to be a CCPC and its taxable income (before any loss carrybacks) for its previous tax year cannot be more than its **qualifying income limit** for the particular tax year. If the corporation is associated with any other corporations during the tax year, the total of the taxable incomes of the corporation and the associated corporations (before any loss carrybacks), for their last tax year ending in the previous calendar year, cannot be more than their qualifying income limit for the particular tax year.

Note: A CCPC considered associated with another corporation under subsection 256(1) will be considered **not** associated for the calculation of a refundable ITC if:

- one corporation is associated with another corporation solely because one or more persons own shares of the capital stock of both corporations; and
- one of the corporations has at least one shareholder who is not common to both corporations.

If you are a **qualifying** corporation, you will earn a **100%** refund on your share of any ITCs earned at the 35% rate on qualified **current** expenditures for SR&ED, up to the allocated expenditure limit. The 100% refund does not apply to qualified **capital** expenditures eligible for the 35% credit rate. They are only eligible for the **40%** refund*.

Some CCPCs that are **not qualifying** corporations may also earn a **100%** refund on their share of any ITCs earned at the 35% rate on qualified **current** expenditures for SR&ED, up to the allocated expenditure limit. The expenditure limit can be determined in Part 10. The 100% refund does not apply to qualified **capital** expenditures eligible for the 35% credit rate. They are only eligible for the **40%** refund*.

The 100% refund will not be available to a corporation that is an **excluded corporation** as defined under subsection 127.1(2). A corporation is an excluded corporation if, at any time during the year, it is a corporation that is either controlled by (directly or indirectly, in any manner whatever) or is related to:

a) one or more persons exempt from Part I tax under section 149;

b) Her Majesty in right of a province, a Canadian municipality, or any other public authority; or

c) any combination of persons referred to in a) or b) above.

* Capital expenditures incurred after December 31, 2013, including lease payments for property that would have been a capital expenditure if purchased directly, are **not** qualified SR&ED expenditures and are **not** eligible for an ITC on SR&ED expenditures.

Part 3 – Corporations in the farming industry

Complete this area if the corporation is making SR&ED contributions.

Is the corporation claiming a contribution in the current year to an agricultural organization whose goal is to finance SR&ED work (for example, check-off dues)? . . . . . **102** 1 Yes ☐ 2 No ☒

If **yes**, complete Schedule 125, *Income Statement Information*, to identify the type of farming industry the corporation is involved in.

Contributions to agricultural organizations for SR&ED* . . . . . **103** _____
(Enter this amount on line 350 of Part 8)

* Enter only contributions not already included on Form T661.
Include 80% of the contributions made **after** 2012. For contributions made **before** 2013, include all of the contributions.

Qualified Property and Qualified Resource Property

Part 4 – Eligible investments for qualified property and qualified resource property from the current tax year

Capital cost allowance class number **105**	Description of investment **110**	Date available for use **115**	Location used in Atlantic Canada (province) **120**	Amount of investment **125**

Total of investments for qualified property and qualified resource property A1

Part 5 – Current-year credit and account balances – ITC from investments in qualified property and qualified resource property

ITC at the end of the previous tax year B1

Deduct:

Credit deemed as a remittance of co-op corporations 210

Credit expired 215

Subtotal (line 210 **plus** line 215) ▶ C1

ITC at the beginning of the tax year (amount B1 **minus** amount C1) 220

Add:

Credit transferred on amalgamation or wind-up of subsidiary 230

ITC from repayment of assistance 235

Qualified property; and qualified resource property acquired after March 28, 2012, and before January 1, 2014* (applicable part from amount A1 in Part 4) . . . . . x 10 % = 240

Qualified resource property acquired after December 31, 2013, and before January 1, 2016 (applicable part from amount A1 in Part 4) . . . . . x 5 % = 242

Credit allocated from a partnership 250

Subtotal (total of lines 230 to 250) ▶ D1

Total credit available (line 220 **plus** amount D1) E1

Deduct:

Credit deducted from Part I tax (enter this amount at line D8 in Part 30) 260

Credit carried back to the previous year(s) (from amount H1 in Part 6) . . . . . a

Credit transferred to offset Part VII tax liability 280

Subtotal (total of line 260, amount a, and line 280) ▶ F1

Credit balance before refund (amount E1 **minus** amount F1) G1

Deduct:

Refund of credit claimed on investments from qualified property and qualified resource property (from Part 7) 310

ITC closing balance of investments from qualified property and qualified resource property (amount G1 **minus** line 310) 320

* Include investments acquired after 2013 and before 2017 that are eligible for transitional relief.

Part 6 – Request for carryback of credit from investments in qualified property and qualified resource property

	Year	Month	Day
1st previous tax year			
2nd previous tax year			
3rd previous tax year			

Credit to be applied 901

Credit to be applied 902

Credit to be applied 903

Total of lines 901 to 903 (enter amount H1 on line a in Part 5) H1

Part 7 – Refund of ITC for qualifying corporations on investments from qualified property and qualified resource property

Current-year ITCs (total of lines 240, 242, and 250 in Part 5) I1

Credit balance before refund (from amount G1 in Part 5) J1

Refund (40 % of amount I1 or J1, whichever is less) K1

Enter amount K1 or a lesser amount on line 310 in Part 5 (also enter it on line 780 of the T2 return if you don't claim an SR&ED ITC refund).

SR&ED

Part 8 – Qualified SR&ED expenditures

Current expenditures (from line 557 on Form T661) 7,734,337

Contributions to agricultural organizations for SR&ED . . . . . _____

Deduct:

Government assistance, non-government assistance, or contract payment . . . . . _____

Contributions to agricultural organizations for SR&ED for the federal ITC (this amount is updated to line 103 of Part 3. For more details, consult the Help.)* . . . . . _____ ▶ + _____

Current expenditures (line 557 on Form T661 **plus** line 103 in Part 3)*	7,734,337 ▶	350	7,734,337
Capital expenditures incurred **before** 2014 (from line 558 on Form T661)**		360	
Repayments made in the year (from line 560 on Form T661)		370	
Qualified SR&ED expenditures (total of lines 350 to 370)		380	7,734,337

* If you are claiming only contributions made to agricultural organizations for SR&ED, line 350 should equal line 103 in Part 3. Do not file Form T661.

** Capital expenditures incurred after December 31, 2013, are not qualified SR&ED expenditures. Capital cost allowance can be claimed for depreciable property acquired for use in SR&ED after 2013.

Part 9 – Components of the SR&ED expenditure limit calculation

Part 9 only applies if you are a CCPC.

Note: A CCPC considered associated with another corporation under subsection 256(1) will be considered not associated for the calculation of an SR&ED expenditure limit if:

- one corporation is associated with another corporation solely because one or more persons own shares of the capital stock of the corporation; and
- one of the corporations has at least one shareholder who is not common to both corporations.

Is the corporation associated with another CCPC for the purpose of calculating the SR&ED expenditure limit? . . . . . 385 1 Yes [X] 2 No [ ]

If you answered **no** to the question on line 385 above or if you are not associated with any other corporations, complete lines 390 and 398.
If you answered **yes**, the amounts for associated corporations will be determined on Schedule 49.

Enter your taxable income for the previous tax year* (prior to any loss carrybacks applied) . . . . . 390 _____

Enter your taxable capital employed in Canada for the previous tax year minus $10 million. If this amount is nil or negative, enter "0".
If this amount is over $40 million, enter $40 million . . . . . 398 _____

* If the tax years referred to on line 390 is less than 51 weeks, **multiply** the taxable income by the following result: 365 **divided** by the number of days in that tax year.

Part 10 – SR&ED expenditure limit for a CCPC

For a stand-alone (not associated) corporation: $ 8,000,000

Deduct:

Taxable income for the previous tax year (from line 390 in Part 9) or $500,000, whichever is more _____ x 10 = _____ A2

Excess ($8,000,000 **minus** amount A2; if negative, enter "0") . . . . . _____ B2

$ 40,000,000 **minus** line 398 in Part 9 . . . . . _____ a

Amount a **divided** by $ 40,000,000 . . . . . _____ C2

Expenditure limit for the stand-alone corporation (amount B2 **multiplied** by amount C2)* . . . . . _____ D2

For an associated corporation:

If associated, the allocation of the SR&ED expenditure limit, as provided on Schedule 49* . . . . . 400 _____ E2

If your tax year is less than 51 weeks, calculate the amount of the expenditure limit as follows:

Amount D2 or E2 _____ x Number of days in the tax year / 365 366 = ... _____ F2

Your SR&ED expenditure limit for the year (enter the amount from amount D2, E2, or F2, whichever applies) . . . . . 410 _____

* Amount D2 or E2 cannot be more than $3,000,000.

Part 11 – Investment tax credits on SR&ED expenditures

Current expenditures (from line 350 in Part 8) or the expenditure limit (from line 410 in Part 10), whichever is less* . . . . . **420** _____ x 35 % = _____ G2

Line 350 **minus** line 410 (if negative, enter "0") **430** 7,734,337

Amount from line 430 _____ x (Number of days in the tax year before 2014 / Number of days in the tax year) _____ x 20% = _____ b

Amount from line 430** 7,734,337 x (Number of days in the tax year after 2013 / Number of days in the tax year) 366 / 366 x 15 % = 1,160,151 c

Subtotal (amount b **plus** amount c) . . . . . 1,160,151 ▶ 1,160,151 H2

Line 410 **minus** line 350 (if negative, enter "0") . . . . . _____ d

Capital expenditures (from line 360 in Part 8) or amount d above, whichever is less* . . . . . **440** _____ x 35 % = _____ I2

Line 360 **minus** amount d above (if negative, enter "0") . . . . . **450** _____

Amount from line 450 _____ x (Number of days in the tax year before 2014 / Number of days in the tax year) _____ x 20% = _____ e

Amount from line 450** _____ x (Number of days in the tax year after 2013 / Number of days in the tax year) 366 / 366 x 15 % = _____ f

Subtotal (amount e **plus** amount f) . . . . . _____ ▶ _____ J2

If a corporation makes a repayment of any government or non-government assistance, or contract payments that reduced the amount of qualified expenditures for ITC purposes, the amount of the repayment is eligible for a credit.

Repayments (amount from line 370 in Part 8) . . . . . _____

The ITC on the repayment (the credit) is calculated using the ITC rate that you used to determine your ITC when your qualified expenditures for ITC purposes were reduced because of the government or non-government assistance, or contract payments. Enter the amount of the repayment on the line that corresponds to the appropriate rate. ***

460 _____ x 35 % = _____ g

480 _____ x 20 % = _____ h

490 _____ x 15 % = _____ i

Subtotal (**add** amounts g to i) _____ ▶ _____ K2

Current-year SR&ED ITC (total of amounts G2 to K2; enter on line 540 in Part 12) 1,160,151 L2

* For corporations that are not CCPCs, enter "0" for amounts G2 and I2.

** For tax years that end after 2013, the general SR&ED ITC rate is reduced from 20% to 15%, except that, for 2014 tax years that start before 2014, the reduction is pro-rated based on the number of days in the tax year that are after 2013. For tax years that have a start date **after** 2013, you can simply multiply the amount by 15%.

*** If you are reporting a repayment for a tax year which included two calendar years with different rates (such as a 2014 tax year that started in 2013), the amount of repayment is allocated between the two ITC rates as follows:

- For the first part of the tax year, enter on the line next to the applicable ITC rate, the result of the following calculation: The full repayment amount **multiplied** by the number of days in the tax year which were in the first calendar year, **divided** by the total number of days in the tax year.
- For the last part of the tax year which is in the second calendar year, enter on the line next to the applicable ITC rate, the difference between the first part calculated above and the full repayment amount.

Part 12 – Current-year credit and account balances – ITC from SR&ED expenditures

ITC at the end of the previous tax year				M2
Deduct:				
Credit deemed as a remittance of co-op corporations	510			
Credit expired	515			
Subtotal (line 510 **plus** line 515)			▶	N2
ITC at the beginning of the tax year (amount M2 **minus** amount N2)	520			
Add:				
Credit transferred on amalgamation or wind-up of subsidiary	530			
Total current-year credit (from amount L2 in Part 11)	540	1,160,151		
Credit allocated from a partnership	550			
Subtotal (total of lines 530 to 550)		1,160,151	▶	1,160,151 O2
Total credit available (line 520 **plus** amount O2)				1,160,151 P2
Deduct:				
Credit deducted from Part I tax (enter this amount at line E8 in Part 30)	560	1,160,151		
Credit carried back to the previous year(s) (from amount S2 in Part 13)			j	
Credit transferred to offset Part VII tax liability	580			
Subtotal (total of line 560, amount j, and line 580)		1,160,151	▶	1,160,151 Q2
Credit balance before refund (amount P2 **minus** amount Q2)				R2
Deduct:				
Refund of credit claimed on SR&ED expenditures (from Part 14 or 15, whichever applies)	610			
ITC closing balance on SR&ED (amount R2 **minus** line 610)	620			

Part 13 – Request for carryback of credit from SR&ED expenditures

	Year	Month	Day			
1st previous tax year				Credit to be applied	911	
2nd previous tax year				Credit to be applied	912	
3rd previous tax year				Credit to be applied	913	
				Total of lines 911 to 913 (enter amount S2 at line j in Part 12)		S2

Part 14 – Refund of ITC for qualifying corporations – SR&ED

Complete this part only if you are a qualifying corporation as determined on line 101 in Part 2.

Is the corporation an excluded corporation as defined under subsection 127.1(2)? . . . . . **650** 1 Yes ☐ 2 No ☒

Current-year ITC (lines 540 **plus** 550 in Part 12 **minus** amount K2 in Part 11) . . . . . k

Refundable credits (amount k or amount R2 in Part 12, whichever is less)* T2

Deduct:

Amount T2 or amount G2 in Part 11, whichever is less U2

Net amount (amount T2 **minus** amount U2; if negative, enter "0") V2

Amount V2 **multiplied** by 40 % W2

Add:

Amount U2 . . . . . X2

Refund of ITC (amount W2 **plus** amount X2 – enter this, or a lesser amount, on line 610 in Part 12) Y2

Enter the total of line 310 in Part 5 and line 610 in Part 12 on line 780 of the T2 return.

* If you are also an excluded corporation, as defined in subsection 127.1(2), this amount must be multiplied by 40%. Claim this, or a lesser amount, as your refund of ITC for amount Y2.

Part 15 – Refund of ITC for CCPCs that are not qualifying or excluded corporations – SR&ED

Complete this box only if you are a CCPC that is not a qualifying or excluded corporation as determined on line 101 in Part 2.

Credit balance before refund (from amount R2 in Part 12) Z2

Deduct:

Amount Z2 or amount G2 in Part 11, whichever is less AA2

Net amount (amount Z2 **minus** amount AA2; if negative, enter "0") BB2

Amount BB2 or amount I2 in Part 11, whichever is less CC2

Amount CC2 **multiplied** by 40 % DD2

Add :

Amount AA2 . . . . . EE2

Refund of ITC (amount DD2 **plus** amount EE2) FF2

Enter FF2, or a lesser amount, on line 610 in Part 12 and also on line 780 of the T2 return.

Recapture – SR&ED

Part 16 – Recapture of ITC for corporations and partnerships – SR&ED

You will have a recapture of ITC in a year when **all** of the following conditions are met:

- you acquired a particular property in the current year or in any of the 20 previous tax years, and the credit was earned in a tax year ending after 1997 and did not expire before 2008;
- you claimed the cost of the property as a qualified expenditure for SR&ED on Form T661;
- the cost of the property was included in calculating your ITC or was the subject of an agreement made under subsection 127(13) to transfer qualified expenditures; and
- you disposed of the property or converted it to commercial use after February 23, 1998. This condition is also met if you disposed of or converted to commercial use a property that incorporates the particular property previously referred to.

Note:

The recapture **does not apply** if you disposed of the property to a non-arm's-length purchaser who intended to use it all or substantially all for SR&ED. When the non-arm's-length purchaser later sells or converts the property to commercial use, the recapture rules will apply to the purchaser based on the historical ITC rate of the original user.

You will report a recapture on the T2 return for the year in which you disposed of the property or converted it to commercial use. In the following tax year, add the amount of the ITC recapture to the SR&ED expenditure pool.

If you have more than one disposition for calculations 1 and 2, complete the columns for each disposition for which a recapture applies, using the calculation formats below.

Calculation 1 – If you meet all of the above conditions

Amount of ITC you originally calculated for the property you acquired, or the original user's ITC where you acquired the property from a non-arm's length party, as described in the **note** above **700**	Amount calculated using ITC rate at the date of acquisition (or the original user's date of acquisition) on either the proceeds of disposition (if sold in an arm's length transaction) or the fair market value of the property (in any other case) **710**	Amount from column 700 or 710, whichever is less

Subtotal (enter amount A3 on line C3 in Part 17) A3

Calculation 2 – Only if you transferred all or a part of the qualified expenditure to another person under an agreement described in subsection 127(13); otherwise, enter nil on line B3.

A Rate that the transferee used in determining its ITC for qualified expenditures under a subsection 127(13) agreement **720**	B Proceeds of disposition of the property if you dispose of it to an arm's length person; or, in any other case, enter the fair market value of the property at conversion or disposition **730**	C Amount, if any, already provided for in Calculation 1 (This allows for the situation where only part of the cost of a property is transferred under a subsection 127(13) agreement.) **740**	D Amount determined by the formula (A x B) – C	E ITC earned by the transferee for the qualified expenditures that were transferred **750**	F Amount from column D or E, whichever is less

Subtotal (total of column F) (enter amount B3 on line D3 in Part 17) B3

Part 16 – Recapture of ITC for corporations and partnerships – SR&ED (continued)

Calculation 3

As a member of the partnership, you will report your share of the SR&ED ITC of the partnership after the SR&ED ITC has been reduced by the amount of the recapture. If this amount is a positive amount, you will report it on line 550 in Part 12. However, if the partnership does not have enough ITC otherwise available to offset the recapture, then the amount by which reductions to ITC exceed additions (the excess) will be determined and reported on line 760.

Corporate partner's share of the excess of SR&ED ITC (amount to be reported on line E3 in Part 17) **760** _____

Part 17 – Total recapture of SR&ED investment tax credit

Recaptured ITC from calculation 1, amount A3 in Part 16 . . . . . _____ C3

Recaptured ITC from calculation 2, amount B3 in Part 16 . . . . . _____ D3

Recaptured ITC from calculation 3, line 760 in Part 16 . . . . . _____ E3

Total recapture of SR&ED investment tax credit (total of amounts C3 to E3) . . . . . _____ F3

Enter amount F3 on line A8 in Part 29.

Pre-Production Mining

Part 18 – Pre-production mining expenditures

Exploration information

A mineral resource that qualifies for the credit means a mineral deposit from which the principal mineral to be extracted is diamond, a base or precious metal deposit, or a mineral deposit from which the principal mineral to be extracted is an industrial mineral that, when refined, results in a base or precious metal.

In column 800, list all minerals for which pre-production mining expenditures have taken place in the tax year.

For each of the minerals reported in column 800, identify each project (in column 805), mineral title (in column 806), and mining division (in column 807) where title is registered. If there is no mineral title, identify only the project and mining division.

List of minerals 800	Project name 805

Mineral title 806	Mining division 807

Pre-production mining expenditures*

Exploration:

Pre-production mining expenditures that you incurred in the tax year (**before** January 1, 2014) for the purpose of determining the existence, location, extent, or quality of a mineral resource in Canada:

Prospecting 810

Geological, geophysical, or geochemical surveys 811

Drilling by rotary, diamond, percussion, or other methods 812

Trenching, digging test pits, and preliminary sampling 813

Development:

Pre-production mining expenditures incurred in the tax year for bringing a new mine in a mineral resource in Canada into production in reasonable commercial quantities and incurred before the new mine comes into production in such quantities:

Clearing, removing overburden, and stripping 820

Sinking a mine shaft, constructing an adit, or other underground entry 821

Other pre-production mining expenditures incurred in the tax year:

Description 825	Amount 826
Total of column 826	▶ A4

Total pre-production mining expenditures (total of lines 810 to 821 and amount A4) 830

Deduct:

Total of all assistance (grants, subsidies, rebates, and forgivable loans) or reimbursements that the corporation has received or is entitled to receive in respect of the amounts referred to on line 830 above 832

Excess (line 830 **minus** line 832) (if negative, enter "0") B4

Add:

Repayments of government and non-government assistance 835

Pre-production mining expenditures (amount B4 **plus** line 835) C4

* A pre-production mining expenditure is defined under subsection 127(9).

Part 19 – Current-year credit and account balances – ITC from pre-production mining expenditures

ITC at the end of the previous tax year D4

Deduct:

Credit deemed as a remittance of co-op corporations 841

Credit expired 845

Subtotal (line 841 **plus** line 845) ▶ E4

ITC at the beginning of the tax year (amount D4 **minus** amount E4) 850

Add:

Credit transferred on amalgamation or wind-up of subsidiary 860

Pre-production mining expenditures* incurred before January 1, 2013 (applicable part from amount C4 in Part 18)	870	x	10 %	=	a	
Pre-production mining exploration expenditures** incurred in 2013 (applicable part from amount C4 in Part 18)	872	x	5 %	=	b	
Pre-production mining development expenditures incurred in 2014 (applicable part from amount C4 in Part 18)	874	x	7 %	=	c	
Pre-production mining development expenditures incurred in 2015 (applicable part from amount C4 in Part 18)	876	x	4 %	=	d	

Current year credit (total of amounts a to d) 880 ▶ F4

Total credit available (total of lines 850, 860, and amount F4) G4

Deduct:

Credit deducted from Part I tax (enter this amount at line F8 in Part 30) 885

Credit carried back to the previous year(s) (from amount I4 in Part 20) . . . . . e

Subtotal (line 885 **plus** amount e) ▶ H4

ITC closing balance from pre-production mining expenditures (amount G4 **minus** amount H4) 890

* Also include pre-production mining development expenditures incurred before 2014 and pre-production mining development expenditures incurred after 2013 and before 2016 that are eligible for transitional relief.

** Also include pre-production mining development expenditures incurred in 2015 if the expense is described in paragraph (a)(ii) of the definition **pre-production mining expenditure** in subsection 127(9) of the Act because of paragraph (g.4) of the definition **Canadian exploration expense** in subsection 66.1(6) of the Act.

Part 20 – Request for carryback of credit from pre-production mining expenditures

	Year	Month	Day
1st previous tax year			
2nd previous tax year			
3rd previous tax year			

Credit to be applied 921

Credit to be applied 922

Credit to be applied 923

Total of lines 921 to 923 I4
(enter amount I4 on line e in Part 19)

Apprenticeship Job Creation

Part 21 – Total current-year credit – ITC from apprenticeship job creation expenditures

If you are a related person as defined under subsection 251(2), has it been agreed in writing that you are the only employer who will be claiming the apprenticeship job creation tax credit for this tax year for each apprentice whose contract number (or social insurance number (SIN) or name) appears below? (If not, you cannot claim the tax credit.) . . . . . 611 1 Yes ☐ 2 No ☐

For each apprentice in their first 24 months of the apprenticeship, enter the apprenticeship contract number registered with Canada, or a province or territory, under an apprenticeship program designed to certify or license individuals in the trade. For the province, the trade must be a Red Seal trade. If there is no contract number, enter the SIN or the name of the eligible apprentice.

	A Contract number (SIN or name of apprentice) 601	B Name of eligible trade 602	C Eligible salary and wages* 603	D Column C x 10 % 604	E Lesser of column D or $ 2,000 605
1.	1[redacted]	Lineworker	69,418	6,942	2,000
2.	[redacted]	Lineworker	64,843	6,484	2,000
3.	[redacted]	Lineworker	70,140	7,014	2,000
4.	[redacted]	Lineworker	68,736	6,874	2,000
5.	[redacted]	Lineworker	83,791	8,379	2,000
6.	[redacted]	Lineworker	95,606	9,561	2,000
7.	[redacted]	Lineworker	96,056	9,606	2,000
8.	[redacted]	Lineworker	85,886	8,589	2,000
9.	[redacted]	Lineworker	83,753	8,375	2,000
10.	[redacted]	Lineworker	89,771	8,977	2,000
11.	[redacted]	Lineworker	83,296	8,330	2,000
12.	[redacted]	Lineworker	83,941	8,394	2,000

Total current-year credit (total of column E) (enter amount A5 on line 640 in Part 22) 24,000 A5

* Other than qualified expenditure incurred, and net of any other government or non-government assistance received or to be received. **Eligible salary and wages**, and **qualified expenditures** are defined under subsection 127(9).

Part 22 – Current-year credit and account balances – ITC from apprenticeship job creation expenditures

ITC at the end of the previous tax year B5

Deduct:

Credit deemed as a remittance of co-op corporations 612

Credit expired after 20 tax years 615

Subtotal (line 612 **plus** line 615) ▶ C5

ITC at the beginning of the tax year (amount B5 **minus** amount C5) 625

Add:

Credit transferred on amalgamation or wind-up of subsidiary 630

ITC from repayment of assistance 635

Total current-year credit (from amount A5 in Part 21) 640 24,000

Credit allocated from a partnership 655

Subtotal (total of lines 630 to 655) 24,000 ▶ 24,000 D5

Total credit available (line 625 **plus** amount D5) 24,000 E5

Deduct:

Credit deducted from Part I tax (enter this amount at line G8 in Part 30) 660 24,000

Credit carried back to the previous year(s) (from amount G5 in Part 23) . . . . . a

Subtotal (line 660 **plus** amount a) 24,000 ▶ 24,000 F5

ITC closing balance from apprenticeship job creation expenditures (amount E5 **minus** amount F5) 690

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Part 23 – Request for carryback of credit from apprenticeship job creation expenditures

	Year	Month	Day
1st previous tax year			
2nd previous tax year			
3rd previous tax year			

. . . . . Credit to be applied **931**

. . . . . Credit to be applied **932**

. . . . . Credit to be applied **933**

Total of lines 931 to 933 (enter amount G5 on line a in Part 22) G5

Child Care Spaces

Part 24 – Eligible child care spaces expenditures

Enter the eligible expenditures that you incurred to create licensed child care spaces for the children of the employees and, potentially, for other children. You cannot be carrying on a child care services business. The eligible expenditures include:

- the cost of depreciable property (other than specified property); and
- the specified child care start-up expenditures.

Properties should be acquired and expenditures should be incurred only to create new child care spaces at a licensed child care facility.

Cost of depreciable property from the current tax year

	Capital cost allowance class number **665**	Description of investment **675**	Date available for use **685**	Amount of investment **695**
1.				

Total cost of depreciable property from the current tax year (total of column 695) **715**

Add:

Specified child care start-up expenditures from the current tax year **705**

Total gross eligible expenditures for child care spaces (line 715 **plus** line 705) A6

Deduct:

Total of all assistance (including grants, subsidies, rebates, and forgivable loans) or reimbursements that the corporation has received or is entitled to receive in respect of the amounts referred to in amount A6 . . . . . **725**

Excess (amount A6 **minus** line 725) (if negative, enter "0") B6

Add:

Repayments by the corporation of government and non-government assistance **735**

Total eligible expenditures for child care spaces (amount B6 **plus** line 735) **745**

Part 25 – Current-year credit – ITC from child care spaces expenditures

The credit is equal to 25% of eligible child care spaces expenditures incurred to a maximum of $10,000 per child care space created in a licensed child care facility.

Eligible expenditures (from line 745 in Part 24) . . . . . x 25 % = C6

Number of child care spaces . . . . . **755** x $ 10,000 = D6

ITC from child care spaces expenditures (amount C6 or D6, whichever is less) E6

Part 26 – Current-year credit and account balances – ITC from child care spaces expenditures

ITC at the end of the previous tax year F6

Deduct:

Credit deemed as a remittance of co-op corporations 765

Credit expired after 20 tax years 770

Subtotal (line 765 **plus** line 770) ▶ G6

ITC at the beginning of the tax year (amount F6 **minus** amount G6) 775

Add:

Credit transferred on amalgamation or wind-up of subsidiary 777

Total current-year credit (from amount E6 in Part 25) 780

Credit allocated from a partnership 782

Subtotal (total of lines 777 to 782) ▶ H6

Total credit available (line 775 **plus** amount H6) I6

Deduct:

Credit deducted from Part I tax (enter this amount at line H8 in Part 30) 785

Credit carried back to the previous year(s) (from amount K6 in Part 27) . . . . . a

Subtotal (line 785 **plus** amount a) ▶ J6

ITC closing balance from child care spaces expenditures (amount I6 **minus** amount J6) 790

Part 27 – Request for carryback of credit from child care space expenditures

	Year	Month	Day
1st previous tax year	2015	12	31
2nd previous tax year	2014	12	31
3rd previous tax year	2013	12	31

1st previous tax year . . . . . Credit to be applied 941

2nd previous tax year . . . . . Credit to be applied 942

3rd previous tax year . . . . . Credit to be applied 943

Total of lines 941 to 943 (enter amount K6 on line a in Part 26) K6

Recapture – Child Care Spaces

Part 28 – Recapture of ITC for corporations and partnerships – Child care spaces

The ITC will be recovered against the taxpayer's tax otherwise payable under Part I of the Act if, at any time within 60 months of the day on which the taxpayer acquired the property:

- the new child care space is no longer available; or
- property that was an eligible expenditure for the child care space is:
  - disposed of or leased to a lessee; or
  - converted to another use.

If the property disposed of is a child care space, the amount that can reasonably be considered to have been included in the original ITC (paragraph 127(27.12)(a)) **792**

In the case of eligible expenditures (paragraph 127(27.12)(b)), the lesser of:

The amount that can reasonably be considered to have been included in the original ITC **795**

25% of either the proceeds of disposition (if sold in an arm's length transaction) or the fair market value (in any other case) of the property **797**

Amount from line 795 or line 797, whichever is less A7

Partnerships

As a member of the partnership, you will report your share of the child care spaces ITC of the partnership after the child care spaces ITC has been reduced by the amount of the recapture. If this amount is a positive amount, you will report it on line 782 in Part 26. However, if the partnership does not have enough ITC otherwise available to offset the recapture, then the amount by which reductions to ITC exceed additions (the excess) will be determined and reported on line 799 below.

Corporate partner's share of the excess of ITC **799**

Total recapture of child care spaces investment tax credit (total of line 792, amount A7, and line 799) B7

Enter amount B7 on line B8 in Part 29.

Summary of Investment Tax Credits

Part 29 – Total recapture of investment tax credit

Recaptured SR&ED ITC (from amount F3 in Part 17) A8

Recaptured child care spaces ITC (from amount B7 in Part 28) B8

Total recapture of investment tax credit (amount A8 **plus** amount B8) C8

Enter amount C8 on line 602 of the T2 return.

Part 30 – Total ITC deducted from Part I tax

ITC from investments in qualified property deducted from Part I tax (from line 260 in Part 5) D8

ITC from SR&ED expenditures deducted from Part I tax (from line 560 in Part 12) 1,160,151 E8

ITC from pre-production mining expenditures deducted from Part I tax (from line 885 in Part 19) F8

ITC from apprenticeship job creation expenditures deducted from Part I tax (from line 660 in Part 22) 24,000 G8

ITC from child care space expenditures deducted from Part I tax (from line 785 in Part 26) H8

Total ITC deducted from Part I tax (total of amounts D8 to H8) 1,184,151 I8

Enter amount I8 on line 652 of the T2 return.

Summary of Investment Tax Credit Carryovers

Continuity of investment tax credit carryovers

CCA class number 97 Apprenticeship job creation ITC

Current year

	Addition current year (A)	Applied current year (B)	Claimed as a refund (C)	Carried back (D)	ITC end of year (A-B-C-D)
	24,000	24,000			

Prior years

Taxation year	ITC beginning of year (E)	Adjustments (F)	Applied current year (G)	ITC end of year (E-F-G)	
2015-12-31					
2014-12-31					
2013-12-31					
2012-12-31					
2011-12-31					
2010-12-31					
2009-12-31					
2008-12-31					
2007-12-31					
2006-12-31					*
2005-12-31					
2004-12-31					
2003-12-31					
2002-12-31					
2001-12-31					
2001-09-30					
2000-09-30					
					*
Total					

B+C+D+G **Total ITC utilized** 24,000

* The **ITC end of year** includes the amount of ITC expired from the 10th preceding year if it is before January 1, 1998, or the amount of ITC expired from the 20th preceding year if it is after December 31, 1997. Note that this credit expires at the end of the tax year and any expired credit will be posted to line 215, 515, 615, 770 or 845, as applicable, in Schedule 31 the following year.

Summary of Investment Tax Credit Carryovers

Continuity of investment tax credit carryovers

CCA class number 99 Cur. or cap. R&D for ITC

Current year

	Addition current year (A)	Applied current year (B)	Claimed as a refund (C)	Carried back (D)	ITC end of year (A-B-C-D)
	1,160,151	1,160,151			

Prior years

Taxation year	ITC beginning of year (E)	Adjustments (F)	Applied current year (G)	ITC end of year (E-F-G)	
2015-12-31					
2014-12-31					
2013-12-31					
2012-12-31					
2011-12-31					
2010-12-31					
2009-12-31					
2008-12-31					
2007-12-31					
2006-12-31					*
2005-12-31					
2004-12-31					
2003-12-31					
2002-12-31					
2001-12-31					
2001-09-30					
2000-09-30					
					*
Total					

B+C+D+G **Total ITC utilized** 1,160,151

* The **ITC end of year** includes the amount of ITC expired from the 10th preceding year if it is before January 1, 1998, or the amount of ITC expired from the 20th preceding year if it is after December 31, 1997. Note that this credit expires at the end of the tax year and any expired credit will be posted to line 215, 515, 615, 770 or 845, as applicable, in Schedule 31 the following year.

Canada Revenue Agency / Agence du revenu du Canada

Schedule 33

Taxable Capital Employed in Canada – Large Corporations

Corporation's name	Business number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- Use this schedule in determining if the total taxable capital employed in Canada of the corporation (other than a financial institution or an insurance corporation) and its related corporations is greater than $10,000,000.
- If the total taxable capital employed in Canada of the corporation and its related corporations is greater than $10,000,000, file a completed Schedule 33 with your T2 *Corporation Income Tax Return* no later than six months from the end of the tax year.
- Unless otherwise noted, all legislative references are to the *Income Tax Act* and the *Income Tax Regulations*.
- Subsection 181(1) defines the terms **financial institution**, **long-term debt**, and **reserves**.
- Subsection 181(3) provides the basis to determine the carrying value of a corporation's assets or any other amount under Part I.3 for its capital, investment allowance, taxable capital, or taxable capital employed in Canada, or for a partnership in which it has an interest.
- If the corporation was a non-resident of Canada throughout the year and carried on a business through a permanent establishment in Canada, go to Part 4, **Taxable capital employed in Canada**.

Part 1 – Capital

Add the following year-end amounts:

Reserves that have not been deducted in calculating income for the year under Part I	101	280,712,692	
Capital stock (or members' contributions if incorporated without share capital)	103	556,300,000	
Retained earnings	104	995,900,000	
Contributed surplus	105	12,800,000	
Any other surpluses	106		
Deferred unrealized foreign exchange gains	107		
All loans and advances to the corporation	108		
All indebtedness of the corporation represented by bonds, debentures, notes, mortgages, hypothecary claims, bankers' acceptances, or similar obligations	109	2,333,800,000	
Any dividends declared but not paid by the corporation before the end of the year	110		
All other indebtedness of the corporation (other than any indebtedness for a lease) that has been outstanding for more than 365 days before the end of the year	111		
The total of all amounts, each of which is the amount, if any, in respect of a partnership in which the corporation held a membership interest at the end of the year, either directly or indirectly through another partnership (see note below)	112		
Subtotal (**add** lines 101 to 112)		4,179,512,692 ▶	4,179,512,692 A

Note:

Line 112 is determined by the formula (A – B) x C/D (as per paragraph 181.2(3)(g)) where:

A is the total of all amounts that would be determined for lines 101, 107, 108, 109, and 111 in respect of the partnership for its last fiscal period that ends at or before the end of the year if

a) those lines applied to partnerships in the same manner that they apply to corporations, and

b) those amounts were computed without reference to amounts owing by the partnership

(i) to any corporation that held a membership interest in the partnership either directly or indirectly through another partnership, or

(ii) to any partnership in which a corporation described in subparagraph (i) held a membership interest either directly or indirectly through another partnership.

B is the partnership's deferred unrealized foreign exchange losses at the end of the period,

C is the share of the partnership's income or loss for the period to which the corporation is entitled either directly or indirectly through another partnership, and

D is the partnership's income or loss for the period.

Part 1 – Capital (continued)

Subtotal A (from page 1) 4,179,512,692 A

Deduct the following amounts:

Deferred tax debit balance at the end of the year	121		
Any deficit deducted in calculating its shareholders' equity (including, for this purpose, the amount of any provision for the redemption of preferred shares) at the end of the year	122		
To the extent that the amount may reasonably be regarded as being included in any of lines 101 to 112 above for the year, any amount deducted under subsection 135(1) in calculating income under Part I for the year.	123		
Deferred unrealized foreign exchange losses at the end of the year	124		
Subtotal (**add** lines 121 to 124)		▶	B
Capital for the year (amount A **minus** amount B) (if negative, enter "0")	190	4,179,512,692	

Part 2 – Investment allowance

Add the carrying value at the end of the year of the following assets of the corporation:

A share of another corporation	401	
A loan or advance to another corporation (other than a financial institution)	402	
A bond, debenture, note, mortgage, hypothecary claim, or similar obligation of another corporation (other than a financial institution)	403	
Long-term debt of a financial institution	404	
A dividend payable on a share of the capital stock of another corporation	405	
A loan or advance to, or a bond, debenture, note, mortgage, hypothecary claim or similar obligation of, a partnership each member of which was, throughout the year, another corporation (other than a financial institution) that was not exempt from tax under this Part (otherwise than because of paragraph 181.1(3)(d)), or another partnership described in paragraph 181.2(4)(d.1)	406	
An interest in a partnership (see note 2 below)	407	
Investment allowance for the year (add lines 401 to 407)	490	

Notes:

1. Lines 401 to 405 should not include the carrying value of a share of the capital stock of, a dividend payable by, or indebtedness of a corporation that is exempt from tax under Part I.3 (other than a non-resident corporation that at no time in the year carried on business in Canada through a permanent establishment).
2. Where the corporation has an interest in a partnership held either directly or indirectly through another partnership, refer to subsection 181.2(5) for additional rules regarding the carrying value of an interest in a partnership.
3. Where a trust is used as a conduit for loaning money from a corporation to another related corporation (other than a financial institution), the loan will be considered to have been made directly from the lending corporation to the borrowing corporation. Refer to subsection 181.2(6) for special rules that may apply.

Part 3 – Taxable capital

Capital for the year (line 190)		4,179,512,692	C
Deduct: Investment allowance for the year (line 490)			D
Taxable capital for the year (amount C **minus** amount D) (if negative, enter "0")	500	4,179,512,692	

Part 4 – Taxable capital employed in Canada

To be completed by a corporation that was resident in Canada at any time in the year

Taxable capital for the year (line 500) 4,179,512,692 x (Taxable income earned in Canada / Taxable income) **610** 90,234,366 / 90,234,366 = **Taxable capital employed in Canada** **690** 4,179,512,692

Notes:
1. Regulation 8601 gives details on calculating the amount of taxable income earned in Canada.
2. Where a corporation's taxable income for a tax year is "0," it shall, for the purposes of the above calculation, be deemed to have a taxable income for that year of $1,000.
3. In the case of an airline corporation, Regulation 8601 should be considered when completing the above calculation.

To be completed by a corporation that was a non-resident of Canada throughout the year and carried on a business through a permanent establishment in Canada

Total of all amounts each of which is the carrying value at the end of the year of an asset of the corporation used in the year or held in the year, in the course of carrying on any business during the year through a permanent establishment in Canada **701**

Deduct the following amounts:

Corporation's indebtedness at the end of the year [other than indebtedness described in any of paragraphs 181.2(3)(c) to (f)] that may reasonably be regarded as relating to a business it carried on during the year through a permanent establishment in Canada **711**

Total of all amounts each of which is the carrying value at the end of year of an asset described in subsection 181.2(4) of the corporation that it used in the year, or held in the year, in the course of carrying on any business during the year through a permanent establishment in Canada **712**

Total of all amounts each of which is the carrying value at the end of year of an asset of the corporation that is a ship or aircraft the corporation operated in international traffic, or personal or movable property used or held by the corporation in carrying on any business during the year through a permanent establishment in Canada (see note below) **713**

Total deductions (**add** lines 711, 712, and 713) ▶ E

Taxable capital employed in Canada (line 701 **minus** amount E) (if negative, enter "0") **790**

Note: Complete line 713 only if the country in which the corporation is resident did not impose a capital tax for the year on similar assets, or a tax for the year on the income from the operation of a ship or aircraft in international traffic, of any corporation resident in Canada during the year.

Part 5 – Calculation for purposes of the small business deduction

This part is applicable to corporations that are not associated in the current year, but were associated in the prior year.

Taxable capital employed in Canada (amount from line 690) . . . . . F

Deduct: . . . . . 10,000,000 G

Excess (amount F **minus** amount G) (if negative, enter "0") H

Calculation for purposes of the small business deduction (amount H x 0.225%) I

Enter this amount at line 415 of the T2 return.

Attached Schedule with Total

Part 1 – Reserves that have not been deducted in calculating income for the year under Part I

Title Part 1 – Reserves that have not been deducted in computing income for th

Description		Amount
Termination accrual		227,692 00
	+	
POEB liability	+	280,485,000 00
	+	
	+	
	Total	280,712,692 00

Attached Schedule with Total

Part 1 – All indebtedness of the corporation represented by bonds, debentures, notes, mortgages, hypothecary claims, bankers' acceptances, or similar obligations

Title Part 1 – All indebtedness of the corporation represented by bonds, debentu

Description		Amount
Notes payable		2,135,500,000 00
Customer deposits	+	54,100,000 00
Deferred revenue	+	144,200,000 00
	+	
	Total	2,333,800,000 00

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SCHEDULE 50

SHAREHOLDER INFORMATION

Name of corporation	Business Number	Tax year end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

All private corporations must complete this schedule for any shareholder who holds 10% or more of the corporation's common and/or preferred shares.

		Provide only one number per shareholder				
	Name of shareholder (after name, indicate in brackets if the shareholder is a corporation, partnership, individual, or trust) 100	Business Number (If a corporation is not registered, enter "NR") 200	Social insurance number 300	Trust number 350	Percentage common shares 400	Percentage preferred shares 500
1	TORONTO HYDRO CORPORATION	[redacted]			100.000	
2						
3						
4						
5						
6						
7						
8						
9						
10						

Canada Revenue Agency / Agence du revenu du Canada

Schedule 53

General Rate Income Pool (GRIP) Calculation

Corporation's name	Business number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

On: 2016-12-31

- If you are a Canadian-controlled private corporation (CCPC) or a deposit insurance corporation (DIC), use this schedule to determine the general rate income pool (GRIP).
- When an eligible dividend was paid in the tax year, file a completed copy of this schedule with your *T2 Corporation Income Tax Return*. Do not send your worksheets with your return, but keep them in your records in case we ask to see them later.
- All legislative references are to the *Income Tax Act* and the *Income Tax Regulations*.
- Subsection 89(1) defines the terms eligible dividend, excessive eligible dividend designation, general rate income pool, and low rate income pool.

Eligibility for the various additions

Answer the following questions to determine the corporation's eligibility for the various additions:

2006 addition

1. Is this the corporation's first taxation year that includes January 1, 2006? . . . . . ☐ Yes ☒ No
2. If not, what is the date of the taxation year end of the corporation's first year that includes January 1, 2006? Enter the date and go directly to question 4 2006-12-31
3. During that first year, was the corporation a CCPC or would it have been a CCPC if not for the election of subsection 89(11) ITA? . . . . . ☒ Yes ☐ No
   If the answer to question 3 is yes, complete Part "GRIP addition for 2006".

Change in the type of corporation

4. Was the corporation a CCPC during its preceding taxation year? . . . . . ☒ Yes ☐ No
5. Corporations that become a CCPC or a DIC . . . . . ☐ Yes ☒ No
   If the answer to question 5 is yes, complete Part 4.

Amalgamation (first year of filing after amalgamation)

6. Corporations that were formed as a result of an amalgamation . . . . . ☐ Yes ☒ No
   If the answer to question 6 is yes, answer questions 7 and 8. If the answer is no, go to question 9.
7. Was one or more of the predecessor corporations neither a CCPC nor a DIC? . . . . . ☐ Yes ☐ No
   If the answer to question 7 is yes, complete Part 4.
8. Was one or more of the predecessor corporation a CCPC or a DIC during the taxation year that ended immediately before amalgamation? . . . . . ☐ Yes ☐ No
   If the answer to question 8 is yes, complete Part 3.

Winding-up

9. Has the corporation wound-up a subsidiary in the preceding taxation year? . . . . . ☐ Yes ☒ No
   If the answer to question 9 is yes, answer questions 10 and 11. If the answer is no, go to Part 1.
10. Was the subsidiary neither a CCPC nor a DIC during its last taxation year? . . . . . ☐ Yes ☐ No
    If the answer to question 10 is yes, complete Part 4.
11. Was the subsidiary a CCPC or a DIC during its last taxation year? . . . . . ☐ Yes ☐ No
    If the answer to question 11 is yes, complete Part 3.

Part 1 – General rate income pool (GRIP)

GRIP at the end of the previous tax year			100	303,801,210 A
Taxable income for the year (DICs enter "0") *		110 90,234,366 B		
Income for the credit union deduction * (amount E in Part 3 of Schedule 17)	120			
Amount on line 400, 405, 410, or 425 of the T2 return, whichever is less *	130			
For a CCPC, the lesser of aggregate investment income (line 440 of the T2 return) and taxable income *	140	815,211		
Subtotal (**add** lines 120, 130, and 140)		815,211 ▶	815,211 C	
Income taxable at the general corporate rate (amount B **minus** amount C) (if negative enter "0")		150 89,419,155		
After-tax income (line 150 **multiplied** by 0.72 (the general rate factor for the tax year))			190	64,381,792 D
Eligible dividends received in the tax year	200			
Dividends deductible under section 113 received in the tax year	210			
Subtotal (line 200 **plus** line 210)		▶		E
GRIP addition:				
Becoming a CCPC (amount PP in Part 4)	220			
Post-amalgamation (total of amounts EE in Part 3 and amounts PP in Part 4)	230			
Post-wind-up (total of amounts EE in Part 3 and amounts PP in Part 4)	240			
Subtotal (**add** lines 220, 230, and 240)	290	▶		F
Subtotal (**add** amounts A, D, E, and F)				368,183,002 G
Eligible dividends paid in the previous tax year	300			
Excessive eligible dividend designations made in the previous tax year	310			
(If becoming a CCPC (subsection 89(4) applies), enter "0" on lines 300 and 310.)				
Subtotal (line 300 **minus** line 310)		▶		H
GRIP before adjustment for specified future tax consequences (amount G **minus** amount H) (amount can be negative)			490	368,183,002
Total GRIP adjustment for specified future tax consequences to previous tax years (amount W in Part 2)			560	
GRIP at the end of the tax year (line 490 **minus** line 560)			590	368,183,002

Enter this amount on line 160 of Schedule 55.

***** For lines 110, 120, 130, and 140, the income amount is the amount before considering specified future tax consequences. This phrase is defined in subsection 248(1). It includes the deduction of a loss carryback from subsequent tax years, a reduction of Canadian exploration expenses and Canadian development expenses that were renounced in subsequent tax years (e.g., flow-through share renunciations), reversals of income inclusions where an option is exercised in subsequent tax years, and the effect of certain foreign tax credit adjustments.

Part 2 – GRIP adjustment for specified future tax consequences to previous tax years

Complete this part if the corporation's taxable income of any of the previous three tax years took into account the specified future tax consequences defined in subsection 248(1) from the current tax year. Otherwise, enter "0" on line 560.

First previous tax year 2015-12-31

Taxable income before specified future tax consequences from the current tax year		10,918,774 J1		
Enter the following amounts before specified future tax consequences from the current tax year:				
Income for the credit union deduction (amount E in Part 3 of Schedule 17)		K1		
Amount on line 400, 405, 410, or 425 of the T2 return, whichever is less		L1		
Aggregate investment income (line 440 of the T2 return)		1,564,378 M1		
Subtotal (**add** amounts K1, L1, and M1)		1,564,378 ▶	1,564,378 N1	
Subtotal (amount J1 **minus** amount N1) (if negative, enter "0")		9,354,396 ▶		9,354,396 O1

Part 2 – GRIP adjustment for specified future tax consequences to previous tax years (continued)

Future tax consequences that occur for the current year Amount carried back from the current year to a prior year					
Non-capital loss carry-back (paragraph 111 (1)(a) ITA)	**Capital loss carry-back**	**Restricted farm loss carry-back**	**Farm loss carry-back**	**Other**	**Total carrybacks**

Taxable income after specified future tax consequences P1

Enter the following amounts after specified future tax consequences:

Income for the credit union deduction (amount E in Part 3 of Schedule 17) . . . Q1

Amount on line 400, 405, 410, or 425 of the T2 return, whichever is less R1

Aggregate investment income (line 440 of the T2 return) S1

Subtotal (**add** amounts Q1, R1, and S1) ▶ T1

Subtotal (amount P1 **minus** amount T1) (if negative, enter "0") ▶ U1

Subtotal (amount O1 **minus** amount U1) (if negative, enter "0") V1

GRIP adjustment for specified future tax consequences to the first previous tax year

(amount V1 **multiplied** by 0.72) **500**

Second previous tax year 2014-12-31

Taxable income before specified future tax consequences from the current tax year 50,381,643 J2

Enter the following amounts before specified future tax consequences from the current tax year:

Income for the credit union deduction (amount E in Part 3 of Schedule 17) . . . K2

Amount on line 400, 405, 410, or 425 of the T2 return, whichever is less L2

Aggregate investment income (line 440 of the T2 return) 487,660 M2

Subtotal (**add** amounts K2, L2, and M2) 487,660 ▶ 487,660 N2

Subtotal (amount J2 **minus** amount N2) (if negative, enter "0") 49,893,983 ▶ 49,893,983 O2

Future tax consequences that occur for the current year Amount carried back from the current year to a prior year					
Non-capital loss carry-back (paragraph 111 (1)(a) ITA)	**Capital loss carry-back**	**Restricted farm loss carry-back**	**Farm loss carry-back**	**Other**	**Total carrybacks**

Taxable income after specified future tax consequences P2

Enter the following amounts after specified future tax consequences:

Income for the credit union deduction (amount E in Part 3 of Schedule 17) . . . Q2

Amount on line 400, 405, 410, or 425 of the T2 return, whichever is less R2

Aggregate investment income (line 440 of the T2 return) S2

Subtotal (**add** amounts Q2, R2, and S2) ▶ T2

Subtotal (amount P2 **minus** amount T2) (if negative, enter "0") ▶ U2

Subtotal (amount O2 **minus** amount U2) (if negative, enter "0") V2

GRIP adjustment for specified future tax consequences to the second previous tax year

(amount V2 **multiplied** by 0.72) **520**

Part 2 – GRIP adjustment for specified future tax consequences to previous tax years (continued)

Third previous tax year 2013-12-31

Taxable income before specified future tax consequences from the current tax year 44,139,984 J3

Enter the following amounts before specified future tax consequences from the current tax year:

Income for the credit union deduction (amount E in Part 3 of Schedule 17) . . . _____ K3

Amount on line 400, 405, 410, or 425 of the T2 return, whichever is less . . . . _____ L3

Aggregate investment income (line 440 of the T2 return) 573,891 M3

Subtotal (**add** amounts K3, L3, and M3) 573,891 ▶ 573,891 N3

Subtotal (amount J3 **minus** amount N3) (if negative, enter "0") 43,566,093 ▶ 43,566,093 O3

Future tax consequences that occur for the current year Amount carried back from the current year to a prior year					
Non-capital loss carry-back (paragraph 111 (1)(a) ITA)	**Capital loss carry-back**	**Restricted farm loss carry-back**	**Farm loss carry-back**	**Other**	**Total carrybacks**

Taxable income after specified future tax consequences . . . . . _____ P3

Enter the following amounts after specified future tax consequences:

Income for the credit union deduction (amount E in Part 3 of Schedule 17) . . . _____ Q3

Amount on line 400, 405, 410, or 425 of the T2 return, whichever is less . . . . _____ R3

Aggregate investment income (line 440 of the T2 return) . . . . . _____ S3

Subtotal (**add** amounts Q3, R3, and S3) _____ ▶ _____ T3

Subtotal (amount P3 **minus** amount T3) (if negative, enter "0") _____ ▶ _____ U3

Subtotal (amount O3 **minus** amount U3) (if negative, enter "0") _____ V3

GRIP adjustment for specified future tax consequences to the third previous tax year

(amount V3 **multiplied by** 0.72) . . . . . **540** _____

Total GRIP adjustment for specified future tax consequences to previous tax years:

(**add** lines 500, 520, and 540) (if negative, enter "0") . . . . . _____ W

Enter amount W on line 560 in part 1.

Part 3 – Worksheet to calculate the GRIP addition post-amalgamation or post-wind-up (predecessor or subsidiary was a CCPC or a DIC in its last tax year)

nb. 1 Post amalgamation . . . ☐ Post wind-up . . . . . ☐

Complete this part when there has been an amalgamation (within the meaning assigned by subsection 87(1)) or a wind-up (to which subsection 88(1) applies) and the predecessor or subsidiary corporation was a CCPC or a DIC in its last tax year. In the calculation below, **corporation** means a predecessor or a subsidiary. The last tax year for a predecessor corporation was its tax year that ended immediately before the amalgamation and for a subsidiary corporation was its tax year during which its assets were distributed to the parent on the wind-up.

For a post-wind-up, include the GRIP addition in calculating the parent's GRIP at the end of its tax year that immediately follows the tax year during which it receives the assets of the subsidiary.

Complete a separate worksheet for **each** predecessor and **each** subsidiary that was a CCPC or a DIC in its last tax year. Keep a copy of this calculation for your records, in case we ask to see it later.

Corporation's GRIP at the end of its last tax year . . . . . _____ AA

Eligible dividends paid by the corporation in its last tax year . . . . . _____ BB

Excessive eligible dividend designations made by the corporation in its last tax year . . . . . _____ CC

Subtotal (amount BB **minus** amount CC) _____ ▶ _____ DD

GRIP addition post-amalgamation or post-wind-up (predecessor or subsidiary was a CCPC or a DIC in its last tax year)

(amount AA **minus** amount DD) . . . . . _____ EE

After you complete this calculation for each predecessor and each subsidiary, calculate the total of all the EE amounts. Enter this total amount on:

- line 230 for post-amalgamation; or
- line 240 for post-wind-up.

Part 4 – Worksheet to calculate the GRIP addition post-amalgamation, post-wind-up (predecessor or subsidiary was not a CCPC or a DIC in its last tax year), or the corporation is becoming a CCPC

nb. 1 Corporation becoming a CCPC . . . . . ☐ Post amalgamation . . . . . ☐ Post wind-up . . . . . ☐

Complete this part when there has been an amalgamation (within the meaning assigned by subsection 87(1)) or a wind-up (to which subsection 88(1) applies) and the predecessor or subsidiary was not a CCPC or a DIC in its last tax year. Also, use this part for a corporation becoming a CCPC. In the calculation below, **corporation** means a corporation becoming a CCPC, a predecessor, or a subsidiary.

For a post-wind-up, include the GRIP addition in calculating the parent's GRIP at the end of its tax year that immediately follows the tax year during which it receives the assets of the subsidiary.

Complete a separate worksheet for **each** predecessor and **each** subsidiary that was not a CCPC or a DIC in its last tax year. Keep a copy of this calculation for your records, in case we ask to see it later.

Cost amount to the corporation of all property immediately before the end of its previous/last tax year . . . . . FF

The corporation's money on hand immediately before the end of its previous/last tax year . . . . . GG

Total of subsection 111(1) losses that would have been deductible in calculating the corporation's taxable income for the previous/last tax year if the corporation had had unlimited income from each business carried on and each property held and had realized an unlimited amount of capital gains for the previous/last tax year:

Non-capital losses	a	
Net capital losses	b	
Farm losses	c	
Restricted farm losses	d	
Limited partnership losses	e	
Subtotal (**add** amounts a to e) ▶		1

Total of all amounts deducted under subsection 111(1) in calculating the corporation's taxable income for the previous/last tax year:

Non-capital losses	f	
Net capital losses	g	
Farm losses	h	
Restricted farm losses	i	
Limited partnership losses	j	
Subtotal (**add** amounts f to j) ▶		2
Unused and unexpired losses at the end of the corporation's previous/last tax year (amount 1 **minus** amount 2) ▶		HH
Subtotal (**add** amounts FF, GG, and HH)		II

All the corporation's debts and other obligations to pay that were outstanding immediately before the end of its previous/last tax year . . . . . JJ

Paid-up capital of all the corporation's issued and outstanding shares of capital stock immediately before the end of its previous/last tax year . . . . . KK

All the corporation's reserves deducted in its previous/last tax year LL

The corporation's capital dividend account immediately before the end of its previous/last tax year . . . . . MM

The corporation's low rate income pool immediately before the end of its previous/last tax year . . . . . NN

Subtotal (**add** amounts JJ to NN) ▶ OO

GRIP addition post-amalgamation or post-wind-up (predecessor or subsidiary was not a CCPC or a DIC in its last tax year), or the corporation is becoming a CCPC (amount II **minus** amount OO) (if negative, enter "0") . . . . . PP

After you complete this worksheet for each predecessor and each subsidiary, calculate the total of all the PP amounts. Enter this total amount on:

- line 220 for a corporation becoming a CCPC;
- line 230 for post-amalgamation; or
- line 240 for post-wind-up.

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Schedule 500

Ontario Corporation Tax Calculation

Corporation's name	Business number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- Use this schedule if the corporation had a permanent establishment (as defined in section 400 of the federal *Income Tax Regulations*) in Ontario at any time in the tax year and had Ontario taxable income in the year.
- All legislative references are to the federal *Income Tax Act* and *Income Tax Regulations*.
- This schedule is a worksheet only. You do not have to file it with your *T2 Corporation Income Tax Return*.

Part 1 – Ontario basic rate of tax for the year

Ontario basic rate of tax for the year . . . . . 11.5 % A

Part 2 – Calculation of Ontario basic income tax

Ontario taxable income * . . . . . 90,234,366 B

Ontario basic income tax: amount B **multiplied** by Ontario basic rate of tax for the year (rate A from Part 1) . . . . . 10,376,952 C

If the corporation has a permanent establishment in more than one jurisdiction, or is claiming an Ontario tax credit in addition to Ontario basic income tax, or has Ontario corporate minimum tax or Ontario special additional tax on life insurance corporations payable, enter amount C on line 270 of Schedule 5, *Tax Calculation Supplementary – Corporations*. Otherwise, enter it on line 760 of the T2 return.

* If the corporation has a permanent establishment only in Ontario, enter the amount from line 360 or line Z, whichever applies, of the T2 return. Otherwise, enter the taxable income allocated to Ontario from column F in Part 1 of Schedule 5.

Part 3 – Ontario small business deduction (OSBD)

Complete this part if the corporation claimed the federal small business deduction under subsection 125(1) or would have claimed it if subsection 125(5.1) had not been applicable in the tax year.

Income from active business carried on in Canada (amount from line 400 of the T2 return) 89,612,631 1

Federal taxable income, less adjustment for foreign tax credit (amount from line 405 of the T2 return) 90,234,366 2

Federal business limit before the application of subsection 125(5.1) (amount from line 410 of the T2 return) 500,000 3

Ontario business limit reduction:

Amount from line 3 . . . . . 500,000 a

Deduct:

Amount from line E of the T2 return: 219,298,267 x (Number of days in the tax year after May 1, 2014 / Number of days in the tax year) 366 / 366 = 219,298,267 b

Reduced Ontario business limit (amount a **minus** amount b) (if negative, enter "0") c

Business limit the CCPC assigns under subsection 125(3.2) ITA d

Amount c **minus** amount d ▶ 4

Enter the least of amounts 1, 2, 3, and 4 . . . . . D

Ontario domestic factor (ODF): Ontario taxable income * / Taxable income earned in all provinces and territories ** 90,234,366.00 / 90,234,366 = ... 1.00000 E

Amount D × ODF (line E) e

Ontario taxable income (amount B from Part 2) 90,234,366 f

Reduced Ontario business limit (amount e **minus** amount f) (if negative, enter "0") . . . . . F

OSBD rate for the year . . . . . 7 % G

Ontario small business deduction: amount F **multiplied** by rate G . . . . . H

Enter amount H on line 402 of Schedule 5.

* Enter amount B from Part 2.

** Includes the offshore jurisdictions for Nova Scotia and Newfoundland and Labrador.

Part 4 – Ontario adjusted small business income

Complete this part if the corporation was a Canadian-controlled private corporation throughout the tax year and is claiming the Ontario tax credit for manufacturing and processing or the Ontario credit union tax reduction.

Ontario adjusted small business income (lesser of amount D and amount d from Part 3) I

Enter amount I on line K in Part 5 of this schedule or on line B in Part 2 of Schedule 502, *Ontario Tax Credit for Manufacturing and Processing*, whichever applies.

Part 5 – Calculation of credit union tax reduction

Complete this part and Schedule 17, *Credit Union Deductions*, if the corporation was a credit union throughout the tax year.

Amount D from Part 3 of Schedule 17 . . . . . J

Deduct:

Ontario adjusted small business income (amount I from Part 4) . . . . . K

Subtotal (amount J **minus** amount K) (if negative, enter "0") L

Amount L **multiplied** by rate G from Part 3 . . . . . M

Ontario domestic factor (line E from Part 3) . . . . . 1.00000 N

Ontario credit union tax reduction (amount M **multiplied** by ODF from line N) . . . . . O

Enter amount O on line 410 of Schedule 5.

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SCHEDULE 508

ONTARIO RESEARCH AND DEVELOPMENT TAX CREDIT

Name of corporation	Business Number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- Use this schedule to:
  - calculate an Ontario research and development tax credit (ORDTC);
  - claim an ORDTC earned in the tax year or carried forward from any of the 20 previous tax years that are a tax year ending after December 31, 2008, to reduce Ontario corporate income tax payable in the current tax year;
  - carry back an ORDTC to reduce Ontario corporate income tax payable in any of the three previous tax years, but not to a tax year that ends before January 1, 2009;
  - add an ORDTC that was allocated to the corporation by a partnership of which it was a member;
  - transfer an ORDTC after an amalgamation or windup; or
  - calculate a recapture of the ORDTC.
- The ORDTC is a 4.5% non-refundable tax credit on eligible expenditures incurred by a corporation in a tax year that ends after December 31, 2008.
- An eligible expenditure is an expenditure for a permanent establishment in Ontario of a corporation, that is a qualified expenditure for the purposes of section 127 of the federal *Income Tax Act* for scientific research and experimental development (SR&ED) carried on in Ontario.
- Only corporations that are not exempt from Ontario corporate income tax and none of whose income is exempt income can claim the ORDTC.
- Attach a completed copy of this schedule to the *T2 Corporation Income Tax Return.*

Part 1 – Ontario SR&ED expenditure pool

Total eligible expenditures incurred by the corporation in Ontario in the tax year	100	8,080,859	A	
Deduct: Government assistance, non-government assistance, or a contract payment for eligible expenditures	105	31,360	B	
Net eligible expenditures for the tax year (amount A **minus** amount B) (if negative, enter "0")		8,049,499	C	
Add: Eligible expenditures transferred to the corporation by another corporation	110		D	
Subtotal (amount C **plus** amount D)		8,049,499 ▶		8,049,499 E
Deduct: Eligible expenditures the corporation transferred to another corporation	115			F
Ontario SR&ED expenditure pool (amount E **minus** amount F) (if negative, enter "0")	120			8,049,499 G

Part 2 – Calculation of the current part of the ORDTC

Ontario SR&ED expenditure pool (amount G in Part 1) . . . . . 8,049,499 x 3.9153 % = **200** 315,162 H

Note: Pursuant to subsection 38(2) of the *Taxation Act, 2007* (Ontario), the research and development tax credit rate is decreased from 4.5% to 3.5% on June 1, 2016. The rate must be prorated for taxation years straddling June 1, 2016.

ORDTC allocated to a corporation by a partnership of which it is a member (other than a specified member) for a fiscal period that ends in the corporation's tax year * . . . . . **205** I

* If there is a disposal or change of use of eligible property, see Part 6

Repayment made in the tax year of government or non-government assistance or a contract payment that reduced an eligible expenditure, other than for first term or second term shared-use equipment, incurred in a tax year ending before June 1, 2016 . . . . . x 4.50 % =

Repayment made in the tax year of government or non-government assistance or a contract payment that reduced an eligible expenditure, other than for first term or second term shared-use equipment, incurred in a tax year that straddles June 1, 2016 . . . . . x 3.9153 % =

Repayment made in the tax year of government or non-government assistance or a contract payment that reduced an eligible expenditure, other than for first term or second term shared-use equipment, incurred in a tax year that starts after May 31, 2016 . . . . . x 3.50 % =

Total **210** ▶ **215** J

Repayment made in the tax year of government or non-government assistance or a contract payment that reduced an eligible expenditure for first term or second term shared-use equipment . . . . **220** x 1 / 4 = x 4.50 % = **225** K

Current part of the ORDTC (total of amounts H to K) . . . . . **230** 315,162 L

Part 3 – Calculation of ORDTC available for deduction and ORDTC balance

ORDTC balance at the end of the previous tax year . . . . . M

Deduct: ORDTC expired after 20 tax years . . . . . **300** N

ORDTC at the beginning of the tax year (amount M **minus** amount N) . . . . . **305** O

Add:

ORDTC transferred on amalgamation or windup . . . . . **310** P

Current part of ORDTC (amount L in Part 2) . . . . . 315,162 Q

Are you waiving all or part of the current part of the ORDTC? . . . . . **315** Yes 1 ☐ No 2 ☒

If you answered **yes** at line 315, enter the amount of the tax credit waived on line 320.

If you answered **no** at line 315, enter "0" on line 320.

Deduct: Waiver of the current part of the ORDTC . . . . . **320** R

Subtotal (amount Q **minus** amount R) 315,162 ▶ 315,162 S

ORDTC available for deduction (total of amounts O, P and S) . . . . . 315,162 ▶ 315,162 T

Deduct:

ORDTC claimed * (Enter amount U on line 416 of Schedule 5, *Tax Calculation Supplementary – Corporations*) . . . . . 315,162 U

ORDTC carried back to a previous tax year (from Part 4) V

Subtotal (amount U **plus** amount V) 315,162 ▶ 315,162 W

ORDTC balance at the end of the tax year (amount T **minus** amount W) . . . . . **325** X

* This amount cannot be more than the lesser of the following amounts:
- ORDTC available for deduction (amount T); or
- Ontario corporate income tax payable before the ORDTC and the Ontario corporate minimum tax credit (amount from line E6 of Schedule 5).

Part 4 – Request for carryback of tax credit

	Year	Month	Day		
1st previous tax year	2015-12-31			Credit to be applied	**901**
2nd previous tax year	2014-12-31			Credit to be applied	**902**
3rd previous tax year	2013-12-31			Credit to be applied	**903**

Total (enter amount on line V in Part 3)

Part 5 – Analysis of tax credit available for carryforward by tax year of origin

You can complete this part to show all the credits from preceding tax years available for carryforward, by year of origin. This will help you determine the amount of credit that could expire in following years.

Tax year of origin (earliest tax year first) Year Month Day	Credit available
2000-09-30	
2001-09-30	
2001-12-31	
2002-12-31	
2003-12-31	
2004-12-31	
2005-12-31	

Tax year of origin (earliest tax year first) Year Month Day	Credit available
2006-12-31	
2007-12-31	
2008-12-31	
2009-12-31	
2010-12-31	
2011-12-31	
2012-12-31	
2013-12-31	
2014-12-31	
2015-12-31	
Current tax year 2016-12-31	

Total (equals line 325 in Part 3) _____

The amount available from the 20th preceding tax year will expire after this year. When you file your return for the next year, you will enter the expired amount on line 300 of Schedule 508 for that year.

Part 6 – Calculation of a recapture of ORDTC

You will have a recapture of ORDTC in a tax year when you meet **all** of the following conditions:

- you acquired a particular property in the current year or in any of the 20 previous tax years if the ORDTC was earned in a tax year ending after 2008;
- you claimed the cost of the property as an eligible expenditure for the ORDTC;
- the cost of the property was included in computing your ORDTC or was subject to an agreement made under subsection 127(13) of the federal Act to transfer qualified expenditures and section 42 of the *Taxation Act, 2007* (Ontario) applied; and
- you disposed of the property or converted it to commercial use in a tax year ending after December 31, 2008. You also meet this condition if you disposed of or converted to commercial use a property which incorporates the particular property previously referred to.

Note: The recapture **does not apply** if you disposed of the property to a non-arm's length purchaser who intended to use it all or substantially all for SR&ED in Ontario. When the non-arm's length purchaser later sells or converts the property to commercial use, the recapture rules will apply to the purchaser based on the historical federal investment tax credit (ITC) rate * of the original user in Calculation 1 below.

You have to report the recapture on Schedule 5 for the year in which you disposed of the property or converted it to commercial use. If the corporation is a member of a partnership, report its share of the recapture.

If you have more than one disposition for calculations 1 and 2, complete the columns for each disposition for which a recapture applies, using the calculation formats below.

* Federal ITC in calculations 1 and 2 should be determined without reference to paragraph (e) of the definition **investment tax credit** in subsection 127(9) of the federal Act.

Calculation 1 – If you meet all of the above conditions

	Y Amount of federal ITC you originally calculated for the property you acquired, or the original user's federal ITC where you acquired the property from a non-arm's length party, as described in the note above **700**	Z Amount calculated using the federal ITC rate at the date of acquisition (or the original user's date of acquisition) on either the proceeds of disposition (if sold in an arm's length transaction) or the fair market value of the property (in any other case) **710**	AA Amount from column 700 or 710, whichever is less
1.			

Subtotal (enter amount BB, on line KK in Part 7) _____ BB

Calculation 2 – If the corporation is deemed by subsection 42(1) of the *Taxation Act, 2007* (Ontario) to have transferred all or part of the eligible expenditure to another corporation as a consequence of an agreement described in subsection 127(13) of the federal Act complete Calculation 2. Otherwise, enter nil on line II.

	CC The rate percentage that the transferee used to determine its federal ITC for a qualified expenditure that was transferred under an agreement under subsection 127(13) of the federal Act **720**	DD The proceeds of disposition of the property if you dispose of it to a person at arm's length; or, in any other case, the fair market value of the property at conversion or disposition **730**	EE The amount, if any, already provided for in Calculation 1 (this allows for the situation where only part of the cost of a property is transferred for an agreement under subsection 127(13) of the federal Act) **740**
1.			

	FF Amount determined by the formula (CC x DD) – EE (using the columns above)	GG The federal ITC earned by the transferee for the qualified expenditure that was transferred **750**	HH Amount from column FF or GG, whichever is less
1.			

Subtotal (enter amount II on line LL below) _____ II

Calculation 3

As a member of a partnership, you will report your share of the ORDTC of the partnership after the ORDTC has been reduced by the amount of the recapture. If this is a positive amount, you will report it on line 205 in Part 2. However, if the partnership does not have enough ORDTC otherwise available to offset the recapture, then the amount by which reductions to the ORDTC exceeds additions (the excess) will be determined and reported on line JJ.

Corporate partner's share of the excess of ORDTC (enter amount JJ at line NN below) . . . . . **760** _____ JJ

Part 7 – Total recapture of ORDTC

Recaptured federal ITC for Calculation 1 (amount from line BB) . . . . . _____ KK

Recaptured federal ITC for Calculation 2 (amount from line II above) . . . . . _____ LL

Amount KK **plus** amount LL . . . . . _____ x 23.56 % = _____ MM

Add: Corporate partner's share of the excess of ORDTC for Calculation 3 (amount from line JJ above) . . . . . _____ NN

Recapture of ORDTC (amount MM **plus** amount NN) (enter amount OO on line 277 of Schedule 5) . . . . . _____ OO

Schedule A - Worksheet for eligible expenditures incurred by the corporation in Ontario for the current taxation year

This worksheet allows you to report the amount of eligible expenditures entered on Form T661, *Scientific Research and Experimental Development (SR&ED) Expenditures Claim* which represents eligible expenditures as defined in section 127 of the *Income Tax Act* (ITA) with regard to scientific research and experimental development (SR&ED) **carried on in Ontario and attributable to a permanent establishment in Ontario of a corporation**.

Data on the worksheet is calculated based on the amounts on Form T661, but will have to be adjusted according to the rules of Ontario, if applicable, in particular when the corporation has had a permanent establishment in more than one jurisdiction. This data will be used when calculating Schedule 508 and Schedule 566.

Enter the breakdown between current and capital expenditures

		Current Expenditures		Capital Expenditures	
Total expenditures for SR&ED		7,389,418			
Add					
• payment of prior years' unpaid expenses (other than salary or wages)	+				
• prescribed proxy amount (Enter "0" if you use the traditional method)	+	1,528,617			
• expenditures on shared-use equipment			+		
• other additions	+		+		
Subtotal	=	8,918,035	=		
Less					
• current expenditures (other than salary or wages) not paid within 180 days of the tax year end	–				
• amounts paid in respect of an SR&ED contract to a person or partnership that is not taxable supplier	–				
• 20% of contract expenditures for SR&ED performed on your behalf	–	837,176			
• prescribed expenditures not allowed by regulations	–		–		
• other deductions	–		–		
• non-arm's length transactions					
– expenditures for non-arm's length SR&ED contracts	–				
– purchases (limited to costs) of goods and services from non-arm's length suppliers	–		–		
Subtotal	=	8,080,859 I	=		II
Total eligible expenditures incurred by the corporation in Ontario in the tax year (add amount I and II)			=	8,080,859	III

Enter amount III on line 100 of Schedule 508.

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Schedule 510

Ontario Corporate Minimum Tax

Corporation's name	Business number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- File this schedule if the corporation is subject to Ontario corporate minimum tax (CMT). CMT is levied under section 55 of the *Taxation Act, 2007* (Ontario), referred to as the "Ontario Act".
- Complete Part 1 to determine if the corporation is subject to CMT for the tax year.
- A corporation not subject to CMT in the tax year is still required to file this schedule if it is deducting a CMT credit, has a CMT credit carryforward, or has a CMT loss carryforward or a current year CMT loss.
- A corporation that has Ontario special additional tax on life insurance corporations (SAT) payable in the tax year must complete Part 4 of this schedule even if it is not subject to CMT for the tax year.
- A corporation is exempt from CMT if, throughout the tax year, it was one of the following:
  1) a corporation exempt from income tax under section 149 of the federal *Income Tax Act*;
  2) a mortgage investment corporation under subsection 130.1(6) of the federal Act;
  3) a deposit insurance corporation under subsection 137.1(5) of the federal Act;
  4) a congregation or business agency to which section 143 of the federal Act applies;
  5) an investment corporation as referred to in subsection 130(3) of the federal Act; or
  6) a mutual fund corporation under subsection 131(8) of the federal Act.
- File this schedule with the *T2 Corporation Income Tax Return*.

Part 1 – Determination of CMT applicability

Total assets of the corporation at the end of the tax year *	112	4,919,100,000
Share of total assets from partnership(s) and joint venture(s) *	114	
Total assets of associated corporations (amount from line 450 on Schedule 511)	116	3,821,223,000
Total assets (total of lines 112 to 116)		8,740,323,000
Total revenue of the corporation for the tax year **	142	4,020,400,000
Share of total revenue from partnership(s) and joint venture(s) **	144	
Total revenue of associated corporations (amount from line 550 on Schedule 511)	146	258,412,000
Total revenue (total of lines 142 to 146)		4,278,812,000

The corporation is subject to CMT if:
- for tax years ending before July 1, 2010, the total assets at the end of the year of the corporation or the associated group of corporations are more than $5,000,000, or the total revenue for the year of the corporation or the associated group of corporations is more than $10,000,000.
- for tax years ending after June 30, 2010, the total assets at the end of the year of the corporation or the associated group of corporations are equal to or more than $50,000,000, and the total revenue for the year of the corporation or the associated group of corporations is equal to or more than $100,000,000.

If the corporation is not subject to CMT, do not complete the remaining parts unless the corporation is deducting a CMT credit, or has a CMT credit carryforward, a CMT loss carryforward, a current year CMT loss, or SAT payable in the year.

* **Rules for total assets**
- Report total assets according to generally accepted accounting principles, adjusted so that consolidation and equity methods are not used.
- Do not include unrealized gains and losses on assets and foreign currency gains and losses on assets that are included in net income for accounting purposes but not in income for corporate income tax purposes.
- The amount on line 114 is determined at the end of the last fiscal period of the partnership or joint venture that ends in the tax year of the corporation. Add the proportionate share of the assets of the partnership(s) and joint venture(s), and deduct the recorded asset(s) for the investment in partnerships and joint ventures.
- A corporation's share in a partnership or joint venture is determined under paragraph 54(5)(b) of the Ontario Act and, if the partnership or joint venture had no income or loss, is calculated as if the partnership's or joint venture's income were $1 million. For a corporation with an indirect interest in a partnership or joint venture, determine the corporation's share according to paragraph 54(5)(c) of the Ontario Act.

** **Rules for total revenue**
- Report total revenue in accordance with generally accepted accounting principles, adjusted so that consolidation and equity methods are not used.
- If the tax year is less than 51 weeks, **multiply** the total revenue of the corporation or the partnership, whichever applies, by 365 and **divide** by the number of days in the tax year.
- The amount on line 144 is determined for the partnership or joint venture fiscal period that ends in the tax year of the corporation. If the partnership or joint venture has 2 or more fiscal periods ending in the filing corporation's tax year, **multiply** the sum of the total revenue for each of the fiscal periods by 365 and **divide** by the total number of days in all the fiscal periods.
- A corporation's share in a partnership or joint venture is determined under paragraph 54(5)(b) of the Ontario Act and, if the partnership or joint venture had no income or loss, is calculated as if the partnership's or joint venture's income were $1 million. For a corporation with an indirect interest in a partnership or joint venture, determine the corporation's share according to paragraph 54(5)(c) of the Ontario Act.

Part 2 – Adjusted net income/loss for CMT purposes

Net income/loss per financial statements *		210	150,331,448
Add (to the extent reflected in income/loss):			
Provision for current income taxes/cost of current income taxes	220 23,135,447		
Provision for deferred income taxes (debits)/cost of future income taxes	222		
Equity losses from corporations	224		
Financial statement loss from partnerships and joint ventures	226		
Dividends deducted on financial statements (subsection 57(2) of the Ontario Act), excluding dividends paid by credit unions under subsection 137(4.1) of the federal Act	230		
Other additions (see note below):			
Share of adjusted net income of partnerships and joint ventures **	228		
Total patronage dividends received, not already included in net income/loss	232		
281	282		
283	284		
Subtotal	23,135,447 ▶		23,135,447 A
Deduct (to the extent reflected in income/loss):			
Provision for recovery of current income taxes/benefit of current income taxes	320		
Provision for deferred income taxes (credits)/benefit of future income taxes	322		
Equity income from corporations	324		
Financial statement income from partnerships and joint ventures	326		
Dividends deductible under section 112, section 113, or subsection 138(6) of the federal Act	330		
Dividends not taxable under section 83 of the federal Act (from Schedule 3)	332		
Gain on donation of listed security or ecological gift	340		
Accounting gain on transfer of property to a corporation under section 85 or 85.1 of the federal Act ***	342		
Accounting gain on transfer of property to/from a partnership under section 85 or 97 of the federal Act ****	344		
Accounting gain on disposition of property under subsection 13(4), subsection 14(6), or section 44 of the federal Act *****	346		
Accounting gain on a windup under subsection 88(1) of the federal Act or an amalgamation under section 87 of the federal Act	348		
Other deductions (see note below):			
Share of adjusted net loss of partnerships and joint ventures **	328		
Tax payable on dividends under subsection 191.1(1) of the federal Act **multiplied** by 3	334		
Interest deducted/deductible under paragraph 20(1)(c) or (d) of the federal Act, not already included in net income/loss	336		
Patronage dividends paid (from Schedule 16) not already included in net income/loss	338		
381	382		
383	384		
385	386		
387	388		
389	390		
Subtotal	▶		B
Adjusted net income/loss for CMT purposes (line 210 **plus** amount A **minus** amount B)		490	173,466,895

If the amount on line 490 is positive and the corporation is subject to CMT as determined in Part 1, enter the amount on line 515 in Part 3.

If the amount on line 490 is negative, enter the amount on line 760 in Part 7 (enter as a positive amount).

Note

In accordance with *Ontario Regulation 37/09*, when calculating net income for CMT purposes, accounting income should be adjusted to:

- exclude unrealized gains and losses due to mark-to-market changes or foreign currency changes on specified mark-to-market property (assets only);
- include realized gains and losses on the disposition of specified mark-to-market property not already included in the accounting income, if the property is not a capital property or is a capital property disposed in the year or in a previous tax year ended after March 22, 2007.

"Specified mark-to-market property" is defined in subsection 54(1) of the Ontario Act.

These rules also apply to partnerships. A corporate partner's share of a partnership's adjusted income flows through on a proportionate basis to the corporate partner.

* **Rules for net income/loss**

- Banks must report net income/loss as per the report accepted by the Superintendent of Financial Institutions under the federal *Bank Act*, adjusted so consolidation and equity methods are not used.

Part 2 – Calculation of adjusted net income/loss for CMT purposes (continued)

– Life insurance corporations must report net income/loss as per the report accepted by the federal Superintendent of Financial Institutions or equivalent provincial insurance regulator, before SAT and adjusted so consolidation and equity methods are not used. If the life insurance corporation is resident in Canada and carries on business in and outside of Canada, **multiply** the net income/loss by the ratio of the Canadian reserve liabilities **divided** by the total reserve liability. The reserve liabilities are calculated in accordance with Regulation 2405(3) of the federal Act.

– Other corporations must report net income/loss in accordance with generally accepted accounting principles, except that consolidation and equity methods must not be used. When the equity method has been used for accounting purposes, equity losses and equity income are removed from book income/loss on lines 224 and 324 respectively.

– Corporations, other than insurance corporations, should report net income from line 9999 of the GIFI (Schedule 125) on line 210.

** The share of the adjusted net income of a partnership or joint venture is calculated as if the partnership or joint venture were a corporation and the tax year of the partnership or joint venture were its fiscal period. For a corporation with an indirect interest in a partnership through one or more partnerships, determine the corporation's share according to clause 54(5)(c) of the Ontario Act.

*** A joint election will be considered made under subsection 60(1) of the Ontario Act if there is an entry on line 342, and an election has been made for transfer of property to a corporation under subsection 85(1) of the federal Act.

**** A joint election will be considered made under subsection 60(2) of the Ontario Act if there is an entry on line 344, and an election has been made under subsection 85(2) or 97(2) of the federal Act.

***** A joint election will be considered made under subsection 61(1) of the Ontario Act if there is an entry on line 346, and an election has been made under subsection 13(4) or 14(6) and/or section 44 of the federal Act.

For more information on how to complete this part, see the *T2 Corporation – Income Tax Guide*.

Part 3 – CMT payable

Adjusted net income for CMT purposes (line 490 in Part 2, if positive) **515** 173,466,895

Deduct:

CMT loss available (amount R from Part 7) . . . . . _____

Minus: Adjustment for an acquisition of control * . . . . . **518** _____

Adjusted CMT loss available . . . . . _____ ▶ _____ C

Net income subject to CMT calculation (if negative, enter "0") **520** 173,466,895

Amount from line 520 173,466,895 x (Number of days in the tax year before July 1, 2010 / Number of days in the tax year 366) x 4 % = _____ 1

Amount from line 520 173,466,895 x (Number of days in the tax year after June 30, 2010 366 / Number of days in the tax year 366) x 2.7 % = 4,683,606 2

Subtotal (amount 1 **plus** amount 2) 4,683,606 3

Gross CMT: amount on line 3 above x OAF ** **540** 4,683,606

Deduct:

Foreign tax credit for CMT purposes *** . . . . . **550** _____

CMT after foreign tax credit deduction (line 540 **minus** line 550) (if negative, enter "0") . . . . . 4,683,606 D

Deduct:

Ontario corporate income tax payable before CMT credit (amount F6 from Schedule 5) 10,061,790

Net CMT payable (if negative, enter "0") . . . . . _____ E

Enter amount E on line 278 of Schedule 5, *Tax Calculation Supplementary – Corporations*, and complete Part 4.

* Enter the portion of CMT loss available that exceeds the adjusted net income for the tax year from carrying on a business before the acquisition of control. See subsection 58(3) of the Ontario Act.

*** Enter "0" on line 550 for life insurance corporations as they are not eligible for this deduction. For all other corporations, enter the cumulative total of amount J for the province of Ontario from Part 9 of Schedule 21 on line 550.

** **Calculation of the Ontario allocation factor (OAF):**

If the provincial or territorial jurisdiction entered on line 750 of the T2 return is "Ontario," enter "1" on line F.

If the provincial or territorial jurisdiction entered on line 750 of the T2 return is "multiple," complete the following calculation, and enter the result on line F:

Ontario taxable income **** / Taxable income ***** _____ = _____

Ontario allocation factor . . . . . 1.00000 F

**** Enter the amount allocated to Ontario from column F in Part 1 of Schedule 5. If the taxable income is nil, calculate the amount in column F as if the taxable income were $1,000.

***** Enter the taxable income amount from line 360 or amount Z of the T2 return, whichever applies. If the taxable income is nil, enter "1,000".

Part 4 – Calculation of CMT credit carryforward

CMT credit carryforward at the end of the previous tax year *		2,657,189	G	
Deduct:				
CMT credit expired *	600			
CMT credit carryforward at the beginning of the current tax year * (see note below)		2,657,189 ▶	620	2,657,189
Add:				
CMT credit carryforward balances transferred on an amalgamation or the windup of a subsidiary (see note below)	650			
CMT credit available for the tax year (amount on line 620 **plus** amount on line 650)				2,657,189 H
Deduct:				
CMT credit deducted in the current tax year (amount P from Part 5)				2,657,189 I
Subtotal (amount H **minus** amount I)				J
Add:				
Net CMT payable (amount E from Part 3)				
SAT payable (amount O from Part 6 of Schedule 512)				
Subtotal		▶		K
CMT credit carryforward at the end of the tax year (amount J **plus** amount K)	670			L

* For the first harmonized T2 return filed with a tax year that includes days in 2009:
- do not enter an amount on line G or line 600;
- for line 620, enter the amount from line 2336 of Ontario CT23 Schedule 101, *Corporate Minimum Tax (CMT)*, for the last tax year that ended in 2008.

For other tax years, enter on line G the amount from line 670 of Schedule 510 from the previous tax year.

Note: If you entered an amount on line 620 or line 650, complete Part 6.

Part 5 – Calculation of CMT credit deducted from Ontario corporate income tax payable

CMT credit available for the tax year (amount H from Part 4)				2,657,189 M
Ontario corporate income tax payable before CMT credit (amount F6 from Schedule 5)		10,061,790	1	
For a corporation that is not a life insurance corporation:				
CMT after foreign tax credit deduction (amount D from Part 3)		4,683,606	2	
For a life insurance corporation:				
Gross CMT (line 540 from Part 3)			3	
Gross SAT (line 460 from Part 6 of Schedule 512)			4	
The **greater** of amounts 3 and 4			5	
Deduct: line 2 or line 5, whichever applies:		4,683,606	6	
Subtotal (if negative, enter "0")		5,378,184 ▶		5,378,184 N
Ontario corporate income tax payable before CMT credit (amount F6 from Schedule 5)		10,061,790		
Deduct:				
Total refundable tax credits excluding Ontario qualifying environmental trust tax credit (amount J6 **minus** line 450 from Schedule 5)		1,143,727		
Subtotal (if negative, enter "0")		8,918,063 ▶		8,918,063 O
CMT credit deducted in the current tax year (least of amounts M, N, and O)				2,657,189 P

Enter amount P on line 418 of Schedule 5 and on line I in Part 4 of this schedule.

Is the corporation claiming a CMT credit earned before an acquisition of control? 675 1 Yes ☐ 2 No ☒

If you answered **yes** to the question at line 675, the CMT credit deducted in the current tax year may be restricted. For information on how the deduction may be restricted, see subsections 53(6) and (7) of the Ontario Act.

Part 6 – Analysis of CMT credit available for carryforward by year of origin

Complete this part if:

- the tax year includes January 1, 2009; or
- the previous tax year-end is deemed to be December 31, 2008, under subsection 249(3) of the federal Act.

Year of origin		CMT credit balance *
10th previous tax year	680	
9th previous tax year	681	
8th previous tax year	682	
7th previous tax year	683	
6th previous tax year	684	
5th previous tax year	685	
4th previous tax year	686	
3rd previous tax year	687	
2nd previous tax year	688	
1st previous tax year	689	
Total **		

* CMT credit that was earned (by the corporation, predecessors of the corporation, and subsidiaries wound up into the corporation) in each of the previous 10 tax years and has not been deducted.

** Must equal the total of the amounts entered on lines 620 and 650 in Part 4.

Part 7 – Calculation of CMT loss carryforward

CMT loss carryforward at the end of the previous tax year * . . . . . Q

Deduct:

CMT loss expired * 700

CMT loss carryforward at the beginning of the tax year * (see note below) . . . . . ▶ 720

Add:

CMT loss transferred on an amalgamation under section 87 of the federal Act ** (see note below) 750

CMT loss available (line 720 **plus** line 750) . . . . . R

Deduct:

CMT loss deducted against adjusted net income for the tax year (lesser of line 490 (if positive) and line C in Part 3) . . . . . .

Subtotal (if negative, enter "0") S

Add:

Adjusted net loss for CMT purposes (amount from line 490 in Part 2, if **negative**) (enter as a positive amount) 760

CMT loss carryforward balance at the end of the tax year (amount S **plus** line 760) . . . . . 770 T

* For the first harmonized T2 return filed with a tax year that includes days in 2009:

- do not enter an amount on line Q or line 700;
- for line 720, enter the amount from line 2214 of Ontario CT23 Schedule 101, *Corporate Minimum Tax (CMT)*, for the last tax year that ended in 2008.

For other tax years, enter on line Q the amount from line 770 of Schedule 510 from the previous tax year.

** Do not include an amount from a predecessor corporation if it was controlled at any time before the amalgamation by any of the other predecessor corporations.

Note: If you entered an amount on line 720 or line 750, complete Part 8.

Part 8 – Analysis of CMT loss available for carryforward by year of origin

Complete this part if:

- the tax year includes January 1, 2009; or
- the previous tax year-end is deemed to be December 31, 2008, under subsection 249(3) of the federal Act.

Year of origin	Balance earned in a tax year ending before March 23, 2007 *	Balance earned in a tax year ending after March 22, 2007 **
10th previous tax year	810	820
9th previous tax year	811	821
8th previous tax year	812	822
7th previous tax year	813	823
6th previous tax year	814	824
5th previous tax year	815	825
4th previous tax year	816	826
3rd previous tax year	817	827
2nd previous tax year	818	828
1st previous tax year	[redacted]	829
Total ***		

* Adjusted net loss for CMT purposes that was earned (by the corporation, by subsidiaries wound up into or amalgamated with the corporation before March 22, 2007, and by other predecessors of the corporation) in each of the previous 10 tax years that ended before March 23, 2007, and has not been deducted.

** Adjusted net loss for CMT purposes that was earned (by the corporation and its predecessors, but not by a subsidiary predecessor) in each of the previous 20 tax years that ended after March 22, 2007, and has not been deducted.

*** The total of these two columns must equal the total of the amounts entered on lines 720 and 750.

Canada Revenue Agency / Agence du revenu du Canada

SCHEDULE 511

ONTARIO CORPORATE MINIMUM TAX – TOTAL ASSETS AND REVENUE FOR ASSOCIATED CORPORATIONS

Name of corporation	Business Number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- For use by corporations to report the total assets and total revenue of all the Canadian or foreign corporations with which the filing corporation was associated at any time during the tax year. These amounts are required to determine if the filing corporation is subject to corporate minimum tax.
- Total assets and total revenue include the associated corporation's share of any partnership(s)/joint venture(s) total assets and total revenue.
- Attach additional schedules if more space is required.
- File this schedule with the *T2 Corporation Income Tax Return.*

	Names of associated corporations 200	Business number (Canadian corporation only) (see Note 1) 300	Total assets* (see Note 2) 400	Total revenue** (see Note 2) 500
1	TORONTO HYDRO CORPORATION	[redacted]	3,784,800,000	237,500,000
2	TORONTO HYDRO ENERGY SERVICES INC.		36,423,000	20,912,000
		Total	450 3,821,223,000	550 258,412,000

Enter the total assets from line 450 on line 116 in Part 1 of Schedule 510, *Ontario Corporate Minimum Tax*.
Enter the total revenue from line 550 on line 146 in Part 1 of Schedule 510.

Note 1: Enter ¨NR¨ if a corporation is not registered.

Note 2: If the associated corporation does not have a tax year that ends in the filing corporation's current tax year but was associated with the filing corporation in the previous tax year of the filing corporation, enter the total revenue and total assets from the tax year of the associated corporation that ends in the previous tax year of the filing corporation.

*** Rules for total assets**

- Report total assets in accordance with generally accepted accounting principles, adjusted so that consolidation and equity methods are not used.
- Include the associated corporation's share of the total assets of partnership(s) and joint venture(s) but exclude the recorded asset(s) for the investment in partnerships and joint ventures.
- Exclude unrealized gains and losses on assets that are included in net income for accounting purposes but not in income for corporate income tax purposes.

**** Rules for total revenue**

- Report total revenue in accordance with generally accepted accounting principles, adjusted so that consolidation and equity methods are not used.
- If the associated corporation has 2 or more tax years ending in the filing corporation's tax year, **multiply** the sum of the total revenue for each of those tax years by 365 and **divide** by the total number of days in all of those tax years.
- If the associated corporation's tax year is less than 51 weeks and is the only tax year of the associated corporation that ends in the filing corporation's tax year, **multiply** the associated corporation's total revenue by 365 and **divide** by the number of days in the associated corporation's tax year.
- Include the associated corporation's share of the total revenue of partnerships and joint ventures.
- If the partnership or joint venture has 2 or more fiscal periods ending in the associated corporation's tax year, **multiply** the sum of the total revenue for each of the fiscal periods by 365 and **divide** by the total number of days in all the fiscal periods.

Canada Revenue Agency / Agence du revenu du Canada

SCHEDULE 546

CORPORATIONS INFORMATION ACT ANNUAL RETURN FOR ONTARIO CORPORATIONS

Name of corporation	Business Number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- This schedule should be completed by a corporation that is incorporated, continued, or amalgamated in Ontario and subject to the Ontario *Business Corporations Act* (BCA) or Ontario *Corporations Act* (CA), except for registered charities under the federal *Income Tax Act*. This completed schedule serves as a *Corporations Information Act* Annual Return under the *Ontario Corporations Information Act*.
- Complete parts 1 to 4. Complete parts 5 to 7 only to report change(s) in the information recorded on the Ontario Ministry of Government Services (MGS) public record.
- This schedule must set out the required information for the corporation as of the date of delivery of this schedule.
- A completed Ontario *Corporations Information Act* Annual Return must be delivered within six months after the end of the corporation's tax year-end. The MGS considers this return to be delivered on the date that it is filed with the Canada Revenue Agency (CRA) together with the corporation's income tax return.
- It is the corporation's responsibility to ensure that the information shown on the MGS public record is accurate and up-to-date. To review the information shown for the corporation on the public record maintained by the MGS, obtain a Corporation Profile Report. Visit **www.ServiceOntario.ca** for more information.
- This schedule contains non-tax information collected under the authority of the Ontario *Corporations Information Act*. This information will be sent to the MGS for the purposes of recording the information on the public record maintained by the MGS.

Part 1 – Identification

100 Corporation's name (exactly as shown on the MGS public record)
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED

Jurisdiction incorporated, continued, or amalgamated, whichever is the most recent	**110** Date of incorporation or amalgamation, whichever is the most recent (Year Month Day)	**120** Ontario Corporation No.
Ontario	2012-01-01	[redacted]

Part 2 – Head or registered office address (P.O. box not acceptable as stand-alone address)

200 Care of (if applicable)

210 Street number	**220** Street name/Rural route/Lot and Concession number	**230** Suite number
14	Carlton Street	

240 Additional address information if applicable (line 220 must be completed first)

250 Municipality (e.g., city, town)	**260** Province/state	**270** Country	**280** Postal/zip code
Toronto	ON	CA	M5B 1K5

Part 3 – Change identifier

Have there been any changes in any of the information most recently filed for the public record maintained by the MGS for the corporation with respect to names, addresses for service, and the date elected/appointed and, if applicable, the date the election/appointment ceased of the directors and five most senior officers, or with respect to the corporation's mailing address or language of preference? To review the information shown for the corporation on the public record maintained by the MGS, obtain a Corporation Profile Report. For more information, visit **www.ServiceOntario.ca**.

300 [1] If there have been no changes, enter **1** in this box and then go to "Part 4 – Certification."
If there are changes, enter **2** in this box and complete the applicable parts on the next page, and then go to "Part 4 – Certification."

Part 4 – Certification

I certify that all information given in this *Corporations Information Act* Annual Return is true, correct, and complete.

450 Bovingdon (Last name) **451** Sean (First name)

454 _____ (Middle name(s))

460 [2] Please enter one of the following numbers in this box for the above-named person: **1** for director, **2** for officer, or **3** for other individual having knowledge of the affairs of the corporation. If you are a director and officer, enter **1** or **2**.

Note: Sections 13 and 14 of the Ontario *Corporations Information Act* provide penalties for making false or misleading statements or omissions.

Complete the applicable parts to report changes in the information recorded on the MGS public record.

Part 5 – Mailing address

500 ☐ Please enter one of the following numbers in this box:
1 - Show no mailing address on the MGS public record.
2 - The corporation's mailing address is the same as the head or registered office address in Part 2 of this schedule.
3 - The corporation's complete mailing address is as follows:

510 Care of (if applicable)

520 Street number | **530** Street name/Rural route/Lot and Concession number | **540** Suite number

550 Additional address information if applicable (line 530 must be completed first)

560 Municipality (e.g., city, town) | **570** Province/state | **580** Country | **590** Postal/zip code

Part 6 – Language of preference

600 ☐ Indicate your language of preference by entering **1** for English or **2** for French. This is the language of preference recorded on the MGS public record for communications with the corporation. It may be different from line 990 on the T2 return.

Canada Revenue Agency / Agence du revenu du Canada

SCHEDULE 550

ONTARIO CO-OPERATIVE EDUCATION TAX CREDIT

Name of corporation	Business Number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- Use this schedule to claim an Ontario co-operative education tax credit (CETC) under section 88 of the *Taxation Act, 2007* (Ontario).
- The CETC is a refundable tax credit that is equal to an eligible percentage (10% to 30%) of the eligible expenditures incurred by a corporation for a qualifying work placement. The maximum credit amount is $1,000 for each qualifying work placement ending before March 27, 2009, and $3,000 for each qualifying work placement beginning after March 26, 2009. For a qualifying work placement that straddles March 26, 2009, the maximum credit amount is prorated.
- Eligible expenditures are salaries and wages (including taxable benefits) paid or payable to a student in a qualifying work placement, or fees paid or payable to an employment agency for services performed by the student in a qualifying work placement. These expenditures must be paid on account of employment or services, as applicable, at a permanent establishment of the corporation in Ontario. Expenditures for a work placement (WP) are not eligible expenditures if they are greater than the amounts that would be paid to an arm's length employee.
- A WP must meet all of the following conditions to be a qualifying work placement:
  - the student performs employment duties for a corporation under a qualifying co-operative education program (QCEP);
  - the WP has been developed or approved by an eligible educational institution as a suitable learning situation;
  - the terms of the WP require the student to engage in productive work;
  - the WP is for a period of at least 10 consecutive weeks or, in the case of an internship program, not less than 8 consecutive months and not more than 16 consecutive months;
  - the student is paid for the work performed in the WP;
  - the corporation is required to supervise and evaluate the job performance of the student in the WP;
  - the institution monitors the student's performance in the WP; and
  - the institution has certified the WP as a qualifying work placement.
- Make sure you keep a copy of the letter of certification from the Ontario eligible educational institution containing the name of the student, the employer, the institution, the term of the WP, and the name/discipline of the QCEP to support the claim. Do not submit the letter of certification with the *T2 Corporation Income Tax Return*.
- File this schedule with the *T2 Corporation Income Tax Return*.

Part 1 – Corporate information

110 Name of person to contact for more information	120 Telephone number including area code
[redacted]	[redacted]

Is the claim filed for a CETC earned through a partnership?* . . . . . 150 1 Yes ☐ 2 No ☒

If you answered **yes** to the question at line 150, what is the name of the partnership? . . . . . 160 _____

Enter the percentage of the partnership's CETC allocated to the corporation . . . . . 170 _____ %

* When a corporate member of a partnership is claiming an amount for eligible expenditures incurred by a partnership, complete a Schedule 550 for the partnership as if the partnership were a corporation. Each corporate partner, other than a limited partner, should file a separate Schedule 550 to claim the partner's share of the partnership's CETC. The allocated amounts can not exceed the amount of the partnership's CETC.

Part 2 – Eligibility

1. Did the corporation have a permanent establishment in Ontario in the tax year? . . . . . 200 1 Yes ☒ 2 No ☐
2. Was the corporation exempt from tax under Part III of the *Taxation Act*, 2007 (Ontario)? . . . . . 210 1 Yes ☐ 2 No ☒

If you answered **no** to question 1 or **yes** to question 2, then the corporation is **not eligible** for the CETC.

Part 3 – Eligible percentage for determining the eligible amount

Corporation's salaries and wages paid in the previous tax year * **300** 224,900,000

For eligible expenditures incurred before March 27, 2009:

- If line 300 is $400,000 or less, enter 15% on line 310.
- If line 300 is $600,000 or more, enter 10% on line 310.
- If line 300 is more than $400,000 and less than $600,000, enter the percentage on line 310 using the following formula:

$$\text{Eligible percentage} = 15\% - \left[5\% \times \left(\frac{\text{amount on line 300 } \textbf{minus } \$\ 400{,}000}{\$\ 200{,}000} \right) \right]$$

Eligible percentage for determining the eligible amount . . . . . **310** 10.000 %

For eligible expenditures incurred after March 26, 2009:

- If line 300 is $400,000 or less, enter 30% on line 312.
- If line 300 is $600,000 or more, enter 25% on line 312.
- If line 300 is more than $400,000 and less than $600,000, enter the percentage on line 312 using the following formula:

$$\text{Eligible percentage} = 30\% - \left[5\% \times \left(\frac{\text{amount on line 300 } \textbf{minus } \$\ 400{,}000}{\$\ 200{,}000} \right) \right]$$

Eligible percentage for determining the eligible amount . . . . . **312** 25.000 %

* If this is the first tax year of an amalgamated corporation and subsection 88(9) of the *Taxation Act, 2007* (Ontario) applies, enter the salaries and wages paid in the previous tax year by the predecessor corporations.

Part 4 – Calculation of the Ontario co-operative education tax credit

Complete a separate entry for each student for each qualifying work placement that ended in the corporation's tax year. If a qualifying work placement would otherwise exceed four consecutive months, divide the WP into periods of four consecutive months and enter each full period of four consecutive months as a separate WP. If the WP does not divide equally into four-month periods and if the period that is less than 4 months is 10 or more consecutive weeks, then enter that period as a separate WP. If that period is less than 10 consecutive weeks, then include it with the WP for the last period of 4 consecutive months. Consecutive WPs with two or more associated corporations are deemed to be with only one corporation, as designated by the corporations.

	A Name of university, college, or other eligible educational institution **400**	B Name of qualifying co-operative education program **405**
1.	McMaster University	Electrical Engineering
2.	McMaster University	Electrical Engineering
3.	Mohawk College	Electrical Engineering
4.	Mohawk College	Electrical Engineering
5.	Mohawk College	Electrical Engineering
6.	UTSC	Management
7.	UTSC	Management
8.	McMaster University	Electrical Engineering
9.	McMaster University	Electrical Engineering
10.	University of Toronto	Engineering
11.	University of Toronto	Engineering
12.	University of Toronto	Engineering
13.	University of Toronto	Engineering
14.	University of Toronto	Engineering
15.	University of Toronto	Engineering
16.	University of Toronto	Engineering
17.	University of Toronto	Engineering
18.	University of Toronto	Engineering
19.	University of Toronto	Engineering
20.	McMaster University	Mechanical Engineering & Management
21.	McMaster University	Mechanical Engineering & Management
22.	McMaster University	Electical Engineering
23.	McMaster University	Electical Engineering

	A Name of university, college, or other eligible educational institution 400	B Name of qualifying co-operative education program 405
24.	McMaster University	Software Engineering
25.	McMaster University	Software Engineering
26.	McMaster University	Energy Engineering Technology
27.	McMaster University	Energy Engineering Technology
28.	University of Toronto	Engineering
29.	University of Toronto	Engineering
30.	University of Toronto	Engineering
31.	University of Toronto	Engineering
32.	Georgian College	Electricial Engineering
33.	Georgian College	Electricial Engineering
34.	University of Toronto	Engineering
35.	University of Toronto	Engineering
36.	University of Toronto	Engineering
37.	University of Toronto	Engineering
38.	University of Toronto	Engineering
39.	University of Toronto	Engineering
40.	Ryerson University	Elecrical & Computer Engineering
41.	Ryerson University	Elecrical & Computer Engineering
42.	University of Toronto	Engineering
43.	University of Toronto	Engineering
44.	UOIT	Engineering
45.	UOIT	Engineering
46.	Ryerson University	Elecrical & Computer Engineering
47.	Ryerson University	Elecrical & Computer Engineering
48.	McMaster University	Mechanical Engineering & Management
49.	McMaster University	Mechanical Engineering & Management
50.	Ryerson University	Elecrical & Computer Engineering
51.	Ryerson University	Elecrical & Computer Engineering
52.	University of Toronto	Engineering
53.	University of Toronto	Engineering
54.	University of Toronto	Engineering
55.	University of Toronto	Engineering
56.	McMaster University	Computer Science
57.	McMaster University	Computer Science
58.	University of Toronto	Engineering
59.	University of Toronto	Engineering
60.	UTSC	Statistics
61.	UTSC	Statistics
62.	McMaster University	Software Engineering
63.	McMaster University	Software Engineering
64.	McMaster University	Computer Science
65.	McMaster University	Computer Science
66.	University of Toronto	Engineering
67.	University of Toronto	Engineering
68.	Queen's University	Chemical Engineering
69.	Queen's University	Chemical Engineering
70.	Mohawk College	Electrical Engineering
71.	Mohawk College	Electrical Engineering
72.	McMaster University	Electrical Engineering
73.	McMaster University	Electrical Engineering
74.	Mohawk College	Electrical Engineering
75.	Mohawk College	Electrical Engineering
76.	Mohawk College	Electrical Engineering
77.	Queen's University	Electricial & Computer Engineering
78.	Queen's University	Electricial & Computer Engineering

	A Name of university, college, or other eligible educational institution 400	B Name of qualifying co-operative education program 405
79.	Ryerson University	Elecrical & Computer Engineering
80.	Ryerson University	Elecrical & Computer Engineering
81.	University of Toronto	Engineering
82.	University of Toronto	Engineering
83.	University of Toronto	Engineering
84.	University of Toronto	Engineering
85.	McMaster University	Mechanical Engineering
86.	McMaster University	Mechanical Engineering
87.	Queen's University	Mechanical and Materials Engineering
88.	Queen's University	Mechanical and Materials Engineering
89.	McMaster University	Computer Engineering
90.	McMaster University	Computer Engineering
91.	Ryerson University	Elecrical & Computer Engineering
92.	Ryerson University	Elecrical & Computer Engineering
93.	University of Toronto	Engineering
94.	University of Toronto	Engineering
95.	Ryerson University	Elecrical & Computer Engineering
96.	Ryerson University	Elecrical & Computer Engineering
97.	Brock University	Business Administration
98.	Brock University	Business Administration
99.	Wilfred Laurier University	Business Technology Management
100.	Wilfred Laurier University	Business Technology Management
101.	Centennial College	Computer Systems Technology
102.	Centennial College	Computer Systems Technology
103.	Ryerson University	Electrical & Computing Engineering
104.	Ryerson University	Electrical & Computing Engineering
105.	Seneca College	Interdisciplinary Studies
106.	Seneca College	Interdisciplinary Studies
107.	University of Toronto	Engineering
108.	University of Toronto	Engineering
109.	University of Toronto	Engineering
110.	University of Toronto	Engineering
111.	McMaster University	Electrical & Biomedical Engineering
112.	McMaster University	Electrical & Biomedical Engineering
113.	Ryerson University	Elecrical & Computer Engineering
114.	Ryerson University	Elecrical & Computer Engineering
115.	University of Toronto	Engineering
116.	University of Toronto	Engineering
117.	Ryerson University	Chemical Engineering
118.	Ryerson University	Chemical Engineering
119.	Seneca College	Business Management
120.	Seneca College	Business Management
121.	Ryerson University	Occupational Health and Safety
122.	Ryerson University	Occupational Health and Safety
123.	University of Toronto	Engineering
124.	University of Toronto	Engineering
125.	Ryerson University	Occupational Health and Safety
126.	Ryerson University	Occupational Health and Safety
127.	McMaster University	Electrical Engineering
128.	McMaster University	Electrical Engineering
129.	University of Toronto	Engineering
130.	University of Toronto	Engineering
131.	Brock University	Business Administration
132.	Brock University	Business Administration
133.	University of Toronto	Engineering

	A Name of university, college, or other eligible educational institution 400	B Name of qualifying co-operative education program 405
134.	University of Toronto	Engineering
135.	York University	HR Management
136.	York University	HR Management
137.	York University	Finance
138.	York University	Finance
139.	UOIT	Engineering
140.	UOIT	Engineering
141.	Georgian College	Electricial Engineering
142.	Georgian College	Electricial Engineering
143.	Georgian College	Electricial Engineering
144.	Georgian College	Electricial Engineering
145.	Georgian College	Electricial Engineering
146.	Georgian College	Electricial Engineering
147.	Brock University	Master of Business Administration
148.	Brock University	Master of Business Administration
149.	Seneca College	Government Relations
150.	UTSC	Management
151.	Mohawk College	Electrical Engineering
152.	Mohawk College	Electrical Engineering
153.	Mohawk College	Electrical Engineering
154.	Georgian College	Electricial Engineering
155.	Georgian College	Electricial Engineering
156.	University of Waterloo	Environmenal & Business
157.	University of Waterloo	Environment & Business
158.	UTSC	Management
159.	UTSC	Management
160.	University of Waterloo	Elecrical Engineering
161.	University of Waterloo	Electrical Engineering
162.	Ryerson University	Elecrical & Computer Engineering
163.	Ryerson University	Elecrical & Computer Engineering
164.	Queen's University	Bachelor of Applied Science
165.	Queen's University	Bachelor of Applied Science
166.	Ryerson University	Elecrical & Computer Engineering
167.	Ryerson University	Elecrical & Computer Engineering
168.	University of Toronto	Engineering
169.	University of Toronto	Engineering
170.	McMaster University	Electrical Engineering
171.	McMaster University	Electrical Engineering
172.	University of Toronto	Engineering
173.	University of Toronto	Engineering
174.	University of Western Ontario	Electrical Engineering
175.	University of Western Ontario	Electrical Engineering
176.	Seneca College	Public Relations
177.	Sheridan College	HR Management
178.	Seneca College	HR Management
179.	University of Western Ontario	Electrical Engineering
180.	University of Western Ontario	Electrical Engineering
181.	University of Toronto	Engineering
182.	University of Toronto	Engineering
183.	University of Toronto	Engineering
184.	University of Toronto	Engineering
185.	Ryerson University	Elecrical & Computer Engineering
186.	Ryerson University	Elecrical & Computer Engineering
187.	Ryerson University	Elecrical & Computer Engineering
188.	Ryerson University	Elecrical & Computer Engineering

	A Name of university, college, or other eligible educational institution 400	B Name of qualifying co-operative education program 405
189.	McMaster University	Computer Engineering
190.	McMaster University	Computer Engineering
191.	UTSC	Management
192.	UTSC	Management
193.	University of Toronto	Engineering
194.	University of Toronto	Engineering
195.	Ryerson University	Elecrical & Computer Engineering
196.	Ryerson University	Elecrical & Computer Engineering
197.	UTSC	Management
198.	UTSC	Management
199.	University of Toronto	Engineering
200.	University of Toronto	Engineering
201.	University of Toronto	Engineering
202.	University of Toronto	Engineering
203.	UTSC	Management
204.	UTSC	Management
205.	University of Western Ontario	Electrical Engineering
206.	University of Western Ontario	Electrical Engineering
207.	University of Toronto	Engineering
208.	University of Toronto	Engineering
209.	University of Toronto	Engineering
210.	University of Toronto	Engineering
211.	UTSC	Management
212.	UTSC	Management
213.	Ryerson University	Elecrical & Computer Engineering
214.	Ryerson University	Elecrical & Computer Engineering
215.	Ryerson University	Elecrical & Computer Engineering
216.	Ryerson University	Elecrical & Computer Engineering
217.	University of Toronto	Engineering
218.	University of Toronto	Engineering
219.	Ryerson University	Elecrical & Computer Engineering
220.	Ryerson University	Elecrical & Computer Engineering
221.	Queen's University	Bachelor of Applied Science
222.	Queen's University	Bachelor of Applied Science
223.	Georgian College	Electricial Engineering
224.	University of Waterloo	Electrical Engineering
225.	UTSC	Management
226.	Georgian College	Electricial Engineering
227.	Georgian College	Electricial Engineering
228.	University of Waterloo	Environmental Sciences/Ecology
229.	Georgian College	Electrical Engineering
230.	Ryerson University	Electrical & Computer Engineering
231.	University of Toronto	Engineering
232.	UOIT	Engineering
233.	McMaster University	Electical Engineering
234.	University of Toronto	Engineering
235.	University of Toronto	Engineering
236.	Niagara College	Electrical Engineering Technology
237.	University of Toronto	Engineering
238.	University of Toronto	Engineering
239.	University of Toronto	Engineering
240.	University of Toronto	Engineering
241.	University of Toronto	Engineering
242.	University of Toronto	Engineering
243.	Wilfred Laurier University	Business Technology Management

	A Name of university, college, or other eligible educational institution 400	B Name of qualifying co-operative education program 405
244.	Ryerson University	Elecrical & Computer Engineering
245.	Georgian College	Electricial Engineering
246.	Georgian College	Electricial Engineering
247.	UTSC	Management
248.	UTSC	Management
249.	University of Windsor	Business Administration
250.	UTSC	Management
251.	University of Windsor	Business Administration
252.	UTSC	Management
253.	Georgian College	Electricial Engineering
254.	University of Toronto	Engineering
255.	Seneca College	Computer Systems Technology
256.	York University	HR Management
257.	University of Waterloo	Mathematics
258.	Brock University	International Master of Accountancy
259.	University of Toronto	Engineering
260.	Georgian College	Electricial Engineering
261.	Ryerson University	Chemical Engineering
262.	Centennial College	Computer Systems Technology
263.	UTSC	Management
264.	Georgian College	Electricial Engineering
265.	UTSC	Management
266.	Mohawk College	Electrical Engineering
267.	Georgian College	Electricial Engineering
268.	Georgian College	Electricial Engineering
269.	Seneca College	International Business Management
270.	University of Waterloo	Accounting & Financial Management
271.	Georgian College	Electricial Engineering
272.	University of Waterloo	Environmental Engineering
273.	University of Waterloo	Systems Design Engineering
274.	Georgian College	Electricial Engineering
275.	Conestoga College	Public Relations
276.	University of Waterloo	Mechanical Engineering
277.	University of Waterloo	Civil Engineering
278.	University of Waterloo	Civil Engineering
279.	Sheridan College	HR Management
280.	University of Western Ontario	Management & Organizational Studies
281.	University of Waterloo	Civil Engineering
282.	Georgian College	Electricial Engineering
283.	Georgian College	Electricial Engineering
284.	Georgian College	Electricial Engineering
285.	Sheridan College	HR Management
286.	Georgian College	Electricial Engineering
287.	Georgian College	Electricial Engineering
288.	University of Waterloo	Electrical Engineering
289.	Mohawk College	Electrical Engineering
290.	Georgian College	Electricial Engineering
291.	Georgian College	Electricial Engineering
292.	Georgian College	Electricial Engineering
293.	McMaster University	Mechanical Enginering
294.	UTSC	Management
295.	Ryerson University	Elecrical & Computer Engineering
296.	UTSC	Management
297.	UTSC	Management
298.	UTSC	Public Policy

	A Name of university, college, or other eligible educational institution 400	B Name of qualifying co-operative education program 405
299.	Georgian College	Electricial Engineering
300.	Georgian College	Electricial Engineering
301.	Georgian College	Electricial Engineering
302.	University of Waterloo	Civil Engineering
303.	Queen's University	Bachelor of Applied Science
304.	McMaster University	Chemical Engineering
305.	UTSC	Management
306.	University of Waterloo	Actuarial Science
307.	Georgian College	Electricial Engineering
308.	Mohawk College	Electical Engineering
309.	Georgian College	Electricial Engineering
310.	University of Toronto	Engineering
311.	Georgian College	Electricial Engineering
312.	Georgian College	Electricial Engineering
313.	Mohawk College	Electrical Engineering
314.	UTSC	Management
315.	University of Western Ontario	Management & Organizational Studies
316.	Georgian College	Electricial Engineering
317.	McMaster University	Chemical Engineering
318.	Georgian College	HR Management
319.	Brock University	Business Administration
320.	University of Toronto	Engineering
321.	Brock University	Business Administration
322.	University of Toronto	Engineering
323.	Georgian College	Electricial Engineering
324.	Mohawk College	Electrical Engineering
325.	George Brown College	System Business Analysis
326.	McMaster University	Energy Engineering Technology
327.	McMaster University	Enginering Physics & Management
328.	York University	Electrical Engineering
329.	University of Toronto	Engineering
330.	Mohawk College	Energy Systems Enginering Technology
331.	University of Western Ontario	Mechanical Engineering
332.	University of Toronto	Engineering
333.	UTSC	Management
334.	McMaster University	Electrical Engineering
335.	UTSC	Management
336.	Ryerson University	Elecrical & Computer Engineering
337.	UOIT	Engineering
338.	McMaster University	Mechatronics
339.	Georgian College	Electricial Engineering
340.	Seneca College	International Business Management
341.	UTSC	Management
342.	Ryerson University	Chemical Engineering
343.	Mohawk College	Electrical Engineering
344.	Brock University	Business Administration
345.	Centennial College	Computer Systems Technology
346.	McMaster University	Electrical Engineering
347.	Centennial College	Computer Systems Technology
348.	University of Waterloo	Planning
349.	University of Toronto	Engineering
350.	Centennial College	Computer Systems Technology
351.	Brock University	Business Administration
352.	University of Toronto	Engineering
353.	McMaster University	Degroote Commerce

	A Name of university, college, or other eligible educational institution 400	B Name of qualifying co-operative education program 405
354.	University of Toronto	Engineering
355.	Queen's University	Bachelor of Applied Science
356.	University of Waterloo	Nanotechnology Engineering
357.	Georgian College	Electricial Engineering
358.	Georgian College	Electricial Engineering
359.	York University	Economics
360.	Ryerson University	Chemical Engineering
361.	George Brown College	Information Systems Business Analysis
362.	Georgian College	Electricial Engineering
363.	Ryerson University	Public Health and Safety
364.	McMaster University	Electrical Engineering
365.	University of Waterloo	Electrical Engineering
366.	University of Waterloo	Environment & Business
367.	University of Waterloo	Electrical Engineering
368.	University of Toronto	Engineering
369.	University of Waterloo	Mathematics/Business Admin
370.	University of Waterloo	Math/Fin. Analysis & Risk Management

	C Name of student 410	D Start date of WP (see note 1 below) 430	E End date of WP (see note 2 below) 435
1.	[redacted]	2016-01-04	2016-04-29
2.		2016-05-02	2016-08-26
3.		2016-01-04	2016-04-29
4.		2016-05-02	2016-09-02
5.		2016-09-06	2016-12-23
6.		2016-05-02	2016-09-02
7.		2016-09-06	2016-12-23
8.		2016-01-04	2016-04-29
9.		2016-05-02	2016-08-26
10.		2016-01-04	2016-04-29
11.		2016-05-02	2016-08-26
12.	[redacted]	2016-01-04	2016-04-29
13.		2016-05-02	2016-08-26
14.	[redacted]	2016-01-04	2016-04-29
15.		2016-05-02	2016-08-26
16.		2016-01-04	2016-04-29
17.		2016-05-02	2016-08-26
18.		2016-01-04	2016-04-29
19.		2016-05-02	2016-08-26
20.		2016-01-04	2016-04-29
21.		2016-05-02	2016-08-26
22.		2016-01-04	2016-04-29
23.		2016-05-02	2016-08-26
24.		2016-01-04	2016-04-29
25.		2016-05-02	2016-08-26
26.		2016-01-04	2016-04-29
27.		2016-05-02	2016-08-26
28.		2016-01-04	2016-04-29
29.		2016-05-02	2016-08-26
30.		2016-01-04	2016-04-29
31.		2016-05-02	2016-08-26

	C Name of student 410	D Start date of WP (see note 1 below) 430	E End date of WP (see note 2 below) 435
32.	[redacted]	2016-01-04	2016-04-29
33.		2016-09-06	2016-12-23
34.		2016-01-04	2016-04-29
35.		2016-05-02	2016-08-26
36.		2016-01-04	2016-04-29
37.		2016-05-02	2016-08-26
38.		2016-01-04	2016-04-29
39.		2016-05-02	2016-08-26
40.		2016-01-04	2016-04-29
41.		2016-05-02	2016-08-26
42.		2016-01-04	2016-04-29
43.		2016-05-02	2016-08-26
44.		2016-01-04	2016-04-29
45.		2016-05-02	2016-08-26
46.		2016-01-04	2016-04-29
47.		2016-05-02	2016-08-26
48.		2016-01-04	2016-04-29
49.		2016-05-02	2016-08-26
50.		2016-01-04	2016-04-29
51.		2016-05-02	2016-08-26
52.		2016-01-04	2016-04-29
53.		2016-05-02	2016-08-26
54.		2016-01-04	2016-04-29
55.		2016-05-02	2016-08-26
56.		2016-01-04	2016-04-29
57.		2016-05-02	2016-08-26
58.		2016-01-04	2016-04-29
59.		2016-05-02	2016-08-26
60.		2016-01-04	2016-04-29
61.		2016-05-02	2016-08-26
62.		2016-01-04	2016-04-29
63.		2016-05-02	2016-08-26
64.		2016-01-04	2016-04-29
65.		2016-05-02	2016-08-26
66.		2016-01-04	2016-04-29
67.		2016-05-02	2016-08-26
68.		2016-01-04	2016-04-29
69.		2016-05-02	2016-08-26
70.		2016-01-04	2016-04-29
71.		2016-09-06	2016-12-23
72.		2016-01-04	2016-04-29
73.		2016-05-02	2016-08-26
74.		2016-01-04	2016-04-29
75.		2016-05-02	2016-09-02
76.		2016-09-06	2016-12-23
77.		2016-01-04	2016-04-29
78.		2016-05-02	2016-08-26
79.		2016-01-04	2016-04-29
80.		2016-05-02	2016-08-26
81.		2016-01-04	2016-04-29
82.		2016-05-02	2016-08-26
83.		2016-01-04	2016-04-29
84.		2016-05-02	2016-08-26
85.		2016-01-04	2016-04-29

	C Name of student 410	D Start date of WP (see note 1 below) 430	E End date of WP (see note 2 below) 435
86.	[redacted]	2016-05-02	2016-08-26
87.		2016-01-04	2016-04-29
88.		2016-05-02	2016-08-26
89.		2016-01-04	2016-04-29
90.		2016-05-02	2016-08-26
91.		2016-01-04	2016-04-29
92.		2016-05-02	2016-08-26
93.		2016-01-04	2016-04-29
94.		2016-05-02	2016-08-26
95.		2016-01-04	2016-04-29
96.		2016-05-02	2016-08-26
97.		2016-01-04	2016-04-29
98.		2016-05-02	2016-08-26
99.		2016-01-04	2016-04-29
100.		2016-09-06	2016-12-23
101.		2016-01-04	2016-04-29
102.		2016-05-02	2016-09-02
103.		2016-01-04	2016-04-29
104.		2016-05-02	2016-09-02
105.		2016-01-04	2016-04-29
106.		2016-05-02	2016-09-02
107.		2016-01-04	2016-04-29
108.		2016-05-02	2016-08-26
109.		2016-01-04	2016-04-29
110.		2016-05-02	2016-08-26
111.		2016-01-04	2016-04-29
112.		2016-05-02	2016-08-26
113.		2016-01-04	2016-04-29
114.		2016-05-02	2016-08-26
115.		2016-01-04	2016-04-29
116.		2016-05-02	2016-09-02
117.		2016-01-04	2016-04-29
118.		2016-05-02	2016-09-02
119.		2016-01-04	2016-04-29
120.		2016-05-02	2016-09-02
121.		2016-01-04	2016-04-29
122.		2016-05-02	2016-09-02
123.		2016-01-04	2016-04-29
124.		2016-05-02	2016-08-26
125.		2016-01-04	2016-04-29
126.		2016-05-02	2016-09-02
127.		2016-01-04	2016-04-29
128.		2016-05-02	2016-08-26
129.		2016-01-04	2016-04-29
130.		2016-05-02	2016-08-26
131.		2016-01-04	2016-04-29
132.		2016-05-02	2016-09-02
133.		2016-01-04	2016-04-29
134.		2016-05-02	2016-08-26
135.		2016-01-04	2016-04-29
136.		2016-05-02	2016-07-29
137.		2016-01-04	2016-04-29
138.		2016-05-02	2016-09-02
139.		2016-01-04	2016-04-29

	C Name of student 410	D Start date of WP (see note 1 below) 430	E End date of WP (see note 2 below) 435
140.	[redacted]	2016-05-02	2016-08-26
141.		2016-01-04	2016-04-29
142.		2016-09-06	2016-12-23
143.		2016-01-04	2016-04-29
144.		2016-09-06	2016-12-23
145.		2016-01-04	2016-04-29
146.		2016-09-06	2016-12-23
147.		2016-01-04	2016-04-29
148.		2016-05-02	2016-09-02
149.		2016-01-04	2016-04-29
150.		2016-01-04	2016-04-29
151.		2016-01-04	2016-04-29
152.		2016-05-02	2016-09-02
153.		2016-09-06	2016-12-23
154.		2016-01-04	2016-04-29
155.		2016-05-02	2016-09-02
156.		2016-01-04	2016-04-29
157.		2016-05-02	2016-09-02
158.		2016-01-04	2016-04-29
159.		2016-05-02	2016-09-02
160.		2016-01-04	2016-04-29
161.		2016-09-06	2016-12-23
162.		2016-05-02	2016-09-02
163.		2016-09-06	2016-12-23
164.		2016-05-02	2016-09-02
165.		2016-09-06	2016-12-23
166.		2016-05-02	2016-09-02
167.		2016-09-06	2016-12-23
168.		2016-05-02	2016-09-02
169.		2016-09-06	2016-12-23
170.		2016-05-02	2016-09-02
171.		2016-09-06	2016-12-23
172.		2016-05-02	2016-09-02
173.		2016-09-06	2016-12-23
174.		2016-05-02	2016-09-02
175.		2016-09-06	2016-12-23
176.		2016-05-02	2016-09-02
177.		2016-05-02	2016-09-02
178.		2016-05-02	2016-09-02
179.		2016-05-02	2016-09-02
180.		2016-09-06	2016-12-23
181.		2016-05-02	2016-09-02
182.		2016-09-06	2016-12-23
183.		2016-05-02	2016-09-02
184.		2016-09-06	2016-12-23
185.		2016-05-02	2016-09-02
186.		2016-09-06	2016-12-23
187.		2016-05-02	2016-09-02
188.		2016-09-06	2016-12-23
189.		2016-05-02	2016-09-02
190.		2016-09-06	2016-12-23
191.		2016-05-02	2016-09-02
192.		2016-09-06	2016-12-23
193.		2016-05-02	2016-09-02

	C Name of student 410	D Start date of WP (see note 1 below) 430	E End date of WP (see note 2 below) 435
194.	[redacted]	2016-09-06	2016-12-23
195.		2016-05-02	2016-09-02
196.		2016-09-06	2016-12-23
197.		2016-05-02	2016-09-02
198.		2016-09-06	2016-12-23
199.		2016-05-02	2016-09-02
200.		2016-09-06	2016-12-23
201.		2016-05-02	2016-09-02
202.		2016-09-06	2016-12-23
203.		2016-05-02	2016-09-02
204.		2016-09-06	2016-12-23
205.		2016-05-02	2016-09-02
206.		2016-09-06	2016-12-23
207.		2016-05-02	2016-09-02
208.		2016-09-06	2016-12-23
209.		2016-05-02	2016-09-02
210.		2016-09-06	2016-12-23
211.		2016-05-02	2016-09-02
212.		2016-09-06	2016-12-23
213.		2016-05-02	2016-09-02
214.		2016-09-06	2016-12-23
215.		2016-05-02	2016-09-02
216.		2016-09-06	2016-12-23
217.		2016-05-02	2016-09-02
218.		2016-09-06	2016-12-23
219.		2016-05-02	2016-09-02
220.		2016-09-06	2016-12-23
221.		2016-05-02	2016-09-02
222.		2016-09-06	2016-12-23
223.		2016-05-02	2016-09-02
224.		2016-01-04	2016-04-29
225.		2016-01-04	2016-04-29
226.		2016-01-04	2016-04-29
227.		2016-01-04	2016-04-29
228.		2016-05-02	2016-09-02
229.		2016-01-04	2016-04-29
230.		2016-01-04	2016-04-29
231.		2016-01-04	2016-04-29
232.		2016-05-02	2016-09-02
233.		2016-09-06	2016-12-23
234.		2016-01-04	2016-04-29
235.		2016-01-04	2016-04-29
236.		2016-05-02	2016-09-02
237.		2016-01-04	2016-04-29
238.		2016-01-04	2016-04-29
239.		2016-01-04	2016-04-29
240.		2016-01-04	2016-04-15
241.		2016-01-04	2016-04-29
242.		2016-01-04	2016-04-29
243.		2016-01-04	2016-04-29
244.		2016-01-04	2016-04-29
245.		2016-05-02	2016-09-02
246.		2016-01-04	2016-04-29
247.		2016-01-04	2016-04-29

	C Name of student 410	D Start date of WP (see note 1 below) 430	E End date of WP (see note 2 below) 435
248.	[redacted]	2016-01-04	2016-04-29
249.		2016-01-04	2016-04-29
250.		2016-01-04	2016-04-29
251.		2016-01-04	2016-04-29
252.		2016-01-04	2016-04-29
253.		2016-01-04	2016-04-29
254.		2016-01-04	2016-04-29
255.		2016-01-04	2016-04-29
256.		2016-01-04	2016-04-29
257.		2016-01-04	2016-04-29
258.		2016-01-04	2016-04-29
259.		2016-01-04	2016-04-29
260.		2016-01-04	2016-04-29
261.		2016-01-04	2016-04-29
262.		2016-01-04	2016-04-29
263.		2016-01-04	2016-04-29
264.		2016-05-02	2016-09-02
265.		2016-05-02	2016-09-02
266.		2016-01-04	2016-04-29
267.		2016-01-04	2016-04-29
268.	[redacted]	2016-01-04	2016-04-29
269.	[redacted]	2016-01-04	2016-04-29
270.		2016-01-04	2016-04-29
271.		2016-01-04	2016-04-29
272.		2016-01-04	2016-04-29
273.		2016-01-04	2016-04-29
274.		2016-01-04	2016-04-29
275.		2016-01-04	2016-04-29
276.		2016-01-04	2016-04-29
277.		2016-01-04	2016-04-29
278.		2016-01-04	2016-04-29
279.		2016-05-02	2016-09-02
280.		2016-05-02	2016-09-02
281.		2016-05-02	2016-09-02
282.		2016-05-02	2016-09-02
283.		2016-05-02	2016-09-02
284.		2016-05-02	2016-09-02
285.		2016-05-02	2016-09-02
286.		2016-05-02	2016-09-02
287.		2016-05-02	2016-09-02
288.		2016-05-02	2016-09-02
289.		2016-05-02	2016-09-02
290.		2016-05-02	2016-09-02
291.		2016-05-02	2016-09-02
292.		2016-05-02	2016-09-02
293.		2016-05-02	2016-09-02
294.		2016-09-06	2016-12-23
295.		2016-09-06	2016-12-23
296.		2016-09-06	2016-12-23
297.		2016-09-06	2016-12-23
298.		2016-09-06	2016-12-23
299.		2016-09-06	2016-12-23
300.		2016-09-06	2016-12-23
301.		2016-09-06	2016-12-23

	C Name of student 410	D Start date of WP (see note 1 below) 430	E End date of WP (see note 2 below) 435
302.	[redacted]	2016-09-06	2016-12-23
303.		2016-09-06	2016-12-23
304.		2016-09-06	2016-12-23
305.		2016-09-06	2016-12-23
306.		2016-09-06	2016-12-23
307.		2016-09-06	2016-12-23
308.		2016-09-06	2016-12-23
309.		2016-09-06	2016-12-23
310.		2016-09-06	2016-12-23
311.		2016-09-06	2016-12-23
312.		2016-09-06	2016-12-23
313.		2016-09-06	2016-12-23
314.		2016-09-06	2016-12-23
315.		2016-09-06	2016-12-23
316.		2016-09-06	2016-12-23
317.		2016-09-06	2016-12-23
318.		2016-09-06	2016-12-23
319.		2016-09-06	2016-12-23
320.		2016-09-06	2016-12-23
321.		2016-09-06	2016-12-23
322.		2016-09-06	2016-12-23
323.		2016-09-06	2016-12-23
324.		2016-09-06	2016-12-23
325.		2016-09-06	2016-12-23
326.		2016-09-06	2016-12-23
327.		2016-09-06	2016-12-23
328.		2016-09-06	2016-12-23
329.		2016-09-06	2016-12-23
330.		2016-09-06	2016-12-23
331.		2016-09-06	2016-12-23
332.		2016-09-06	2016-12-23
333.		2016-09-06	2016-12-23
334.		2016-09-06	2016-12-23
335.		2016-09-06	2016-12-23
336.		2016-09-06	2016-12-23
337.		2016-09-06	2016-12-23
338.		2016-09-06	2016-12-23
339.		2016-09-06	2016-12-23
340.		2016-09-06	2016-12-23
341.		2016-09-06	2016-12-23
342.		2016-09-06	2016-12-23
343.		2016-09-06	2016-12-23
344.		2016-09-06	2016-12-23
345.		2016-09-06	2016-12-23
346.		2016-09-06	2016-12-23
347.		2016-09-06	2016-12-23
348.		2016-09-06	2016-12-23
349.		2016-09-06	2016-12-23
350.		2016-09-06	2016-12-23
351.		2016-09-06	2016-12-23
352.		2016-09-06	2016-12-23
353.		2016-09-06	2016-12-23
354.		2016-09-06	2016-12-23
355.		2016-09-06	2016-12-23

	C Name of student 410	D Start date of WP (see note 1 below) 430	E End date of WP (see note 2 below) 435
356.	[redacted]	2016-09-06	2016-12-23
357.		2016-09-06	2016-12-23
358.		2016-09-06	2016-12-23
359.		2016-09-06	2016-12-23
360.		2016-09-06	2016-12-23
361.		2016-09-06	2016-12-23
362.		2016-09-06	2016-12-23
363.		2016-09-06	2016-12-23
364.		2016-09-06	2016-12-23
365.		2016-09-06	2016-12-23
366.		2016-09-06	2016-12-23
367.		2016-09-06	2016-12-23
368.		2016-09-06	2016-12-23
369.		2016-09-06	2016-12-23
370.		2016-09-06	2016-12-23

Note 1: When the WP has been divided into separate periods because it exceeds four consecutive months, enter the start date for the separate WP.

Note 2: When the WP has been divided into separate periods because it exceeds four consecutive months, enter the end date for the separate WP.

Part 4 – Calculation of the Ontario co-operative education tax credit (continued)

	F1 Eligible expenditures before March 27, 2009 (see note 1 below) 450	Eligible percentage before March 27, 2009 (from line 310 in Part 3)	F2 Eligible expenditures after March 26, 2009 (see note 1 below) 452	Eligible percentage after March 26, 2009 (from line 310a in Part 3)	X Number of consecutive weeks of the WP completed by the student before March 27, 2009 (see note 3 below)	Y Total number of consecutive weeks of the student's WP (see note 3 below)
1.		10.000 %	15,443	25.000 %		17
2.		10.000 %	15,443	25.000 %		17
3.		10.000 %	15,255	25.000 %		17
4.		10.000 %	16,152	25.000 %		18
5.		10.000 %	13,460	25.000 %		15
6.		10.000 %	12,272	25.000 %		18
7.		10.000 %	10,226	25.000 %		15
8.		10.000 %	12,517	25.000 %		17
9.		10.000 %	12,517	25.000 %		17
10.		10.000 %	11,577	25.000 %		17
11.		10.000 %	11,577	25.000 %		17
12.		10.000 %	15,532	25.000 %		17
13.		10.000 %	15,532	25.000 %		17
14.		10.000 %	8,930	25.000 %		17
15.		10.000 %	8,930	25.000 %		17
16.		10.000 %	11,374	25.000 %		17
17.		10.000 %	11,374	25.000 %		17
18.		10.000 %	15,621	25.000 %		17
19.		10.000 %	15,621	25.000 %		17
20.		10.000 %	12,517	25.000 %		17
21.		10.000 %	12,517	25.000 %		17
22.		10.000 %	11,036	25.000 %		17
23.		10.000 %	11,036	25.000 %		17
24.		10.000 %	11,847	25.000 %		17
25.		10.000 %	11,847	25.000 %		17
26.		10.000 %	15,621	25.000 %		17
27.		10.000 %	15,621	25.000 %		17
28.		10.000 %	11,023	25.000 %		17
29.		10.000 %	11,023	25.000 %		17
30.		10.000 %	15,370	25.000 %		17
31.		10.000 %	15,370	25.000 %		17
32.		10.000 %	14,502	25.000 %		17
33.		10.000 %	12,796	25.000 %		15
34.		10.000 %	11,480	25.000 %		17
35.		10.000 %	11,480	25.000 %		17
36.		10.000 %	13,773	25.000 %		17
37.		10.000 %	13,773	25.000 %		17
38.		10.000 %	15,944	25.000 %		17
39.		10.000 %	15,944	25.000 %		17
40.		10.000 %	15,175	25.000 %		17
41.		10.000 %	15,175	25.000 %		17
42.		10.000 %	11,847	25.000 %		17
43.		10.000 %	11,847	25.000 %		17
44.		10.000 %	15,409	25.000 %		17
45.		10.000 %	15,409	25.000 %		17
46.		10.000 %	15,621	25.000 %		17
47.		10.000 %	15,621	25.000 %		17
48.		10.000 %	15,621	25.000 %		17
49.		10.000 %	15,621	25.000 %		17
50.		10.000 %	12,517	25.000 %		17
51.		10.000 %	12,517	25.000 %		17

	F1 Eligible expenditures before March 27, 2009 (see note 1 below) 450	Eligible percentage before March 27, 2009 (from line 310 in Part 3)	F2 Eligible expenditures after March 26, 2009 (see note 1 below) 452	Eligible percentage after March 26, 2009 (from line 310a in Part 3)	X Number of consecutive weeks of the WP completed by the student before March 27, 2009 (see note 3 below)	Y Total number of consecutive weeks of the student's WP (see note 3 below)
52.		10.000 %	10,891	25.000 %		17
53.		10.000 %	10,891	25.000 %		17
54.		10.000 %	10,811	25.000 %		17
55.		10.000 %	10,811	25.000 %		17
56.		10.000 %	11,101	25.000 %		17
57.		10.000 %	11,101	25.000 %		17
58.		10.000 %	11,044	25.000 %		17
59.		10.000 %	11,044	25.000 %		17
60.		10.000 %	11,673	25.000 %		17
61.		10.000 %	11,673	25.000 %		17
62.		10.000 %	10,090	25.000 %		17
63.		10.000 %	10,090	25.000 %		17
64.		10.000 %	12,035	25.000 %		17
65.		10.000 %	12,035	25.000 %		17
66.		10.000 %	15,265	25.000 %		17
67.		10.000 %	15,265	25.000 %		17
68.		10.000 %	12,184	25.000 %		17
69.		10.000 %	12,184	25.000 %		17
70.		10.000 %	15,665	25.000 %		17
71.		10.000 %	13,822	25.000 %		15
72.		10.000 %	15,452	25.000 %		17
73.		10.000 %	15,452	25.000 %		17
74.		10.000 %	14,716	25.000 %		17
75.		10.000 %	15,582	25.000 %		18
76.		10.000 %	12,985	25.000 %		15
77.		10.000 %	15,086	25.000 %		17
78.		10.000 %	15,086	25.000 %		17
79.		10.000 %	11,847	25.000 %		17
80.		10.000 %	11,847	25.000 %		17
81.		10.000 %	14,018	25.000 %		17
82.		10.000 %	14,018	25.000 %		17
83.		10.000 %	14,370	25.000 %		17
84.		10.000 %	14,370	25.000 %		17
85.		10.000 %	15,621	25.000 %		17
86.		10.000 %	15,621	25.000 %		17
87.		10.000 %	8,225	25.000 %		17
88.		10.000 %	8,225	25.000 %		17
89.		10.000 %	11,798	25.000 %		17
90.		10.000 %	11,798	25.000 %		17
91.		10.000 %	14,196	25.000 %		17
92.		10.000 %	14,196	25.000 %		17
93.		10.000 %	11,104	25.000 %		17
94.		10.000 %	11,104	25.000 %		17
95.		10.000 %	15,175	25.000 %		17
96.		10.000 %	15,175	25.000 %		17
97.		10.000 %	10,672	25.000 %		17
98.		10.000 %	10,672	25.000 %		17
99.		10.000 %	12,918	25.000 %		17
100.		10.000 %	11,398	25.000 %		15
101.		10.000 %	10,642	25.000 %		17
102.		10.000 %	11,268	25.000 %		18
103.		10.000 %	13,718	25.000 %		17
104.		10.000 %	14,525	25.000 %		18

	F1 Eligible expenditures before March 27, 2009 (see note 1 below) 450	Eligible percentage before March 27, 2009 (from line 310 in Part 3)	F2 Eligible expenditures after March 26, 2009 (see note 1 below) 452	Eligible percentage after March 26, 2009 (from line 310a in Part 3)	X Number of consecutive weeks of the WP completed by the student before March 27, 2009 (see note 3 below)	Y Total number of consecutive weeks of the student's WP (see note 3 below)
105.		10.000 %	18,659	25.000 %		17
106.		10.000 %	19,756	25.000 %		18
107.		10.000 %	14,552	25.000 %		17
108.		10.000 %	14,552	25.000 %		17
109.		10.000 %	15,621	25.000 %		17
110.		10.000 %	15,621	25.000 %		17
111.		10.000 %	11,075	25.000 %		17
112.		10.000 %	11,075	25.000 %		17
113.		10.000 %	15,175	25.000 %		17
114.		10.000 %	15,175	25.000 %		17
115.		10.000 %	11,002	25.000 %		17
116.		10.000 %	11,649	25.000 %		18
117.		10.000 %	10,829	25.000 %		17
118.		10.000 %	11,466	25.000 %		18
119.		10.000 %	18,235	25.000 %		17
120.		10.000 %	19,308	25.000 %		18
121.		10.000 %	11,503	25.000 %		17
122.		10.000 %	12,180	25.000 %		18
123.		10.000 %	11,171	25.000 %		17
124.		10.000 %	11,171	25.000 %		17
125.		10.000 %	11,771	25.000 %		17
126.		10.000 %	12,463	25.000 %		18
127.		10.000 %	15,621	25.000 %		17
128.		10.000 %	15,621	25.000 %		17
129.		10.000 %	15,766	25.000 %		17
130.		10.000 %	15,766	25.000 %		17
131.		10.000 %	9,749	25.000 %		17
132.		10.000 %	10,323	25.000 %		18
133.		10.000 %	15,354	25.000 %		17
134.		10.000 %	15,354	25.000 %		17
135.		10.000 %	11,119	25.000 %		17
136.		10.000 %	8,502	25.000 %		13
137.		10.000 %	10,433	25.000 %		17
138.		10.000 %	11,047	25.000 %		18
139.		10.000 %	12,184	25.000 %		17
140.		10.000 %	12,184	25.000 %		17
141.		10.000 %	12,861	25.000 %		17
142.		10.000 %	11,347	25.000 %		15
143.		10.000 %	14,220	25.000 %		17
144.		10.000 %	12,547	25.000 %		15
145.		10.000 %	14,678	25.000 %		17
146.		10.000 %	12,951	25.000 %		15
147.		10.000 %	11,483	25.000 %		17
148.		10.000 %	12,159	25.000 %		18
149.		10.000 %	23,642	25.000 %		17
150.		10.000 %	11,483	25.000 %		17
151.		10.000 %	15,141	25.000 %		17
152.		10.000 %	16,032	25.000 %		18
153.		10.000 %	13,360	25.000 %		15
154.		10.000 %	13,060	25.000 %		17
155.		10.000 %	13,828	25.000 %		18
156.		10.000 %	10,730	25.000 %		17
157.		10.000 %	11,361	25.000 %		18

	F1 Eligible expenditures before March 27, 2009 (see note 1 below) 450	Eligible percentage before March 27, 2009 (from line 310 in Part 3)	F2 Eligible expenditures after March 26, 2009 (see note 1 below) 452	Eligible percentage after March 26, 2009 (from line 310a in Part 3)	X Number of consecutive weeks of the WP completed by the student before March 27, 2009 (see note 3 below)	Y Total number of consecutive weeks of the student's WP (see note 3 below)
158.		10.000 %	9,933	25.000 %		17
159.		10.000 %	10,517	25.000 %		18
160.		10.000 %	13,180	25.000 %		17
161.		10.000 %	11,629	25.000 %		15
162.		10.000 %	12,837	25.000 %		18
163.		10.000 %	10,697	25.000 %		15
164.		10.000 %	16,480	25.000 %		18
165.		10.000 %	13,734	25.000 %		15
166.		10.000 %	11,643	25.000 %		18
167.		10.000 %	9,702	25.000 %		15
168.		10.000 %	12,499	25.000 %		18
169.		10.000 %	10,415	25.000 %		15
170.		10.000 %	12,499	25.000 %		18
171.		10.000 %	10,415	25.000 %		15
172.		10.000 %	12,351	25.000 %		18
173.		10.000 %	10,293	25.000 %		15
174.		10.000 %	16,480	25.000 %		18
175.		10.000 %	13,734	25.000 %		15
176.		10.000 %	22,291	25.000 %		18
177.		10.000 %	22,178	25.000 %		18
178.		10.000 %	22,854	25.000 %		18
179.		10.000 %	16,189	25.000 %		18
180.		10.000 %	13,491	25.000 %		15
181.		10.000 %	12,320	25.000 %		18
182.		10.000 %	10,266	25.000 %		15
183.		10.000 %	16,480	25.000 %		18
184.		10.000 %	13,734	25.000 %		15
185.		10.000 %	16,429	25.000 %		18
186.		10.000 %	13,691	25.000 %		15
187.		10.000 %	15,558	25.000 %		18
188.		10.000 %	12,965	25.000 %		15
189.		10.000 %	12,467	25.000 %		18
190.		10.000 %	10,389	25.000 %		15
191.		10.000 %	12,011	25.000 %		18
192.		10.000 %	10,009	25.000 %		15
193.		10.000 %	12,499	25.000 %		18
194.		10.000 %	10,415	25.000 %		15
195.		10.000 %	16,480	25.000 %		18
196.		10.000 %	13,734	25.000 %		15
197.		10.000 %	10,615	25.000 %		18
198.		10.000 %	8,846	25.000 %		15
199.		10.000 %	16,122	25.000 %		18
200.		10.000 %	13,435	25.000 %		15
201.		10.000 %	16,480	25.000 %		18
202.		10.000 %	13,734	25.000 %		15
203.		10.000 %	11,320	25.000 %		18
204.		10.000 %	9,434	25.000 %		15
205.		10.000 %	11,909	25.000 %		18
206.		10.000 %	9,924	25.000 %		15
207.		10.000 %	15,318	25.000 %		18
208.		10.000 %	12,765	25.000 %		15
209.		10.000 %	12,499	25.000 %		18
210.		10.000 %	10,415	25.000 %		15

	F1 Eligible expenditures before March 27, 2009 (see note 1 below) 450	Eligible percentage before March 27, 2009 (from line 310 in Part 3)	F2 Eligible expenditures after March 26, 2009 (see note 1 below) 452	Eligible percentage after March 26, 2009 (from line 310a in Part 3)	X Number of consecutive weeks of the WP completed by the student before March 27, 2009 (see note 3 below)	Y Total number of consecutive weeks of the student's WP (see note 3 below)
211.		10.000 %	11,913	25.000 %		18
212.		10.000 %	9,927	25.000 %		15
213.		10.000 %	16,480	25.000 %		18
214.		10.000 %	13,734	25.000 %		15
215.		10.000 %	15,120	25.000 %		18
216.		10.000 %	12,600	25.000 %		15
217.		10.000 %	16,200	25.000 %		18
218.		10.000 %	13,500	25.000 %		15
219.		10.000 %	16,480	25.000 %		18
220.		10.000 %	13,734	25.000 %		15
221.		10.000 %	16,568	25.000 %		18
222.		10.000 %	13,806	25.000 %		15
223.		10.000 %	13,914	25.000 %		18
224.		10.000 %	15,448	25.000 %		17
225.		10.000 %	12,210	25.000 %		17
226.		10.000 %	15,444	25.000 %		17
227.		10.000 %	13,894	25.000 %		17
228.		10.000 %	14,223	25.000 %		18
229.		10.000 %	15,440	25.000 %		17
230.		10.000 %	16,274	25.000 %		17
231.		10.000 %	12,210	25.000 %		17
232.		10.000 %	16,032	25.000 %		18
233.		10.000 %	14,346	25.000 %		15
234.		10.000 %	11,574	25.000 %		17
235.		10.000 %	16,100	25.000 %		17
236.		10.000 %	16,032	25.000 %		18
237.		10.000 %	11,631	25.000 %		17
238.		10.000 %	11,930	25.000 %		17
239.		10.000 %	11,800	25.000 %		17
240.		10.000 %	14,363	25.000 %		15
241.		10.000 %	16,433	25.000 %		17
242.		10.000 %	15,388	25.000 %		17
243.		10.000 %	12,210	25.000 %		17
244.		10.000 %	12,075	25.000 %		17
245.		10.000 %	14,186	25.000 %		18
246.		10.000 %	13,080	25.000 %		17
247.		10.000 %	10,562	25.000 %		17
248.		10.000 %	12,210	25.000 %		17
249.		10.000 %	11,400	25.000 %		17
250.		10.000 %	10,310	25.000 %		17
251.		10.000 %	12,210	25.000 %		17
252.		10.000 %	11,395	25.000 %		17
253.		10.000 %	13,966	25.000 %		17
254.		10.000 %	11,684	25.000 %		17
255.		10.000 %	10,562	25.000 %		17
256.		10.000 %	10,329	25.000 %		17
257.		10.000 %	10,562	25.000 %		17
258.		10.000 %	11,940	25.000 %		17
259.		10.000 %	16,008	25.000 %		17
260.		10.000 %	14,148	25.000 %		17
261.		10.000 %	11,108	25.000 %		17
262.		10.000 %	12,210	25.000 %		17
263.		10.000 %	12,045	25.000 %		17

	F1 Eligible expenditures before March 27, 2009 (see note 1 below) 450	Eligible percentage before March 27, 2009 (from line 310 in Part 3)	F2 Eligible expenditures after March 26, 2009 (see note 1 below) 452	Eligible percentage after March 26, 2009 (from line 310a in Part 3)	X Number of consecutive weeks of the WP completed by the student before March 27, 2009 (see note 3 below)	Y Total number of consecutive weeks of the student's WP (see note 3 below)
264.		10.000 %	10,100	25.000 %		18
265.		10.000 %	12,159	25.000 %		18
266.		10.000 %	17,101	25.000 %		17
267.		10.000 %	12,857	25.000 %		17
268.		10.000 %	13,098	25.000 %		17
269.		10.000 %	12,581	25.000 %		17
270.		10.000 %	9,933	25.000 %		17
271.		10.000 %	13,098	25.000 %		17
272.		10.000 %	15,177	25.000 %		17
273.		10.000 %	12,944	25.000 %		17
274.		10.000 %	15,448	25.000 %		17
275.		10.000 %	11,483	25.000 %		17
276.		10.000 %	26,967	25.000 %		17
277.		10.000 %	15,400	25.000 %		17
278.		10.000 %	13,098	25.000 %		17
279.		10.000 %	20,187	25.000 %		18
280.		10.000 %	10,517	25.000 %		18
281.		10.000 %	16,032	25.000 %		18
282.		10.000 %	13,830	25.000 %		18
283.		10.000 %	14,193	25.000 %		18
284.		10.000 %	14,197	25.000 %		18
285.		10.000 %	22,156	25.000 %		18
286.		10.000 %	13,885	25.000 %		18
287.		10.000 %	13,883	25.000 %		18
288.		10.000 %	13,868	25.000 %		18
289.		10.000 %	14,193	25.000 %		18
290.		10.000 %	13,868	25.000 %		18
291.		10.000 %	13,868	25.000 %		18
292.		10.000 %	13,868	25.000 %		18
293.		10.000 %	13,868	25.000 %		18
294.		10.000 %	10,620	25.000 %		15
295.		10.000 %	14,008	25.000 %		15
296.		10.000 %	10,620	25.000 %		15
297.		10.000 %	10,620	25.000 %		15
298.		10.000 %	10,620	25.000 %		15
299.		10.000 %	11,960	25.000 %		15
300.		10.000 %	11,344	25.000 %		15
301.		10.000 %	12,173	25.000 %		15
302.		10.000 %	12,019	25.000 %		15
303.		10.000 %	10,620	25.000 %		15
304.		10.000 %	10,620	25.000 %		15
305.		10.000 %	10,620	25.000 %		15
306.		10.000 %	8,877	25.000 %		15
307.		10.000 %	9,115	25.000 %		15
308.		10.000 %	14,364	25.000 %		15
309.		10.000 %	12,173	25.000 %		15
310.		10.000 %	10,620	25.000 %		15
311.		10.000 %	14,364	25.000 %		15
312.		10.000 %	11,694	25.000 %		15
313.		10.000 %	14,186	25.000 %		15
314.		10.000 %	10,672	25.000 %		15
315.		10.000 %	10,546	25.000 %		15
316.		10.000 %	14,072	25.000 %		15

	F1 Eligible expenditures before March 27, 2009 (see note 1 below) 450	Eligible percentage before March 27, 2009 (from line 310 in Part 3)	F2 Eligible expenditures after March 26, 2009 (see note 1 below) 452	Eligible percentage after March 26, 2009 (from line 310a in Part 3)	X Number of consecutive weeks of the WP completed by the student before March 27, 2009 (see note 3 below)	Y Total number of consecutive weeks of the student's WP (see note 3 below)
317.		10.000 %	10,620	25.000 %		15
318.		10.000 %	10,620	25.000 %		15
319.		10.000 %	11,870	25.000 %		15
320.		10.000 %	10,485	25.000 %		15
321.		10.000 %	8,758	25.000 %		15
322.		10.000 %	10,620	25.000 %		15
323.		10.000 %	13,894	25.000 %		15
324.		10.000 %	14,072	25.000 %		15
325.		10.000 %	10,485	25.000 %		15
326.		10.000 %	13,833	25.000 %		15
327.		10.000 %	10,702	25.000 %		15
328.		10.000 %	14,004	25.000 %		15
329.		10.000 %	10,620	25.000 %		15
330.		10.000 %	13,295	25.000 %		15
331.		10.000 %	14,004	25.000 %		15
332.		10.000 %	14,004	25.000 %		15
333.		10.000 %	10,090	25.000 %		15
334.		10.000 %	14,117	25.000 %		15
335.		10.000 %	9,187	25.000 %		15
336.		10.000 %	14,004	25.000 %		15
337.		10.000 %	14,004	25.000 %		15
338.		10.000 %	14,004	25.000 %		15
339.		10.000 %	10,942	25.000 %		15
340.		10.000 %	10,773	25.000 %		15
341.		10.000 %	10,620	25.000 %		15
342.		10.000 %	10,908	25.000 %		15
343.		10.000 %	14,008	25.000 %		15
344.		10.000 %	10,350	25.000 %		15
345.		10.000 %	10,317	25.000 %		15
346.		10.000 %	13,892	25.000 %		15
347.		10.000 %	10,537	25.000 %		15
348.		10.000 %	12,173	25.000 %		15
349.		10.000 %	13,881	25.000 %		15
350.		10.000 %	10,085	25.000 %		15
351.		10.000 %	11,865	25.000 %		15
352.		10.000 %	9,675	25.000 %		15
353.		10.000 %	10,620	25.000 %		15
354.		10.000 %	14,004	25.000 %		15
355.		10.000 %	10,350	25.000 %		15
356.		10.000 %	14,004	25.000 %		15
357.		10.000 %	13,607	25.000 %		15
358.		10.000 %	12,173	25.000 %		15
359.		10.000 %	10,620	25.000 %		15
360.		10.000 %	10,620	25.000 %		15
361.		10.000 %	10,672	25.000 %		15
362.		10.000 %	11,548	25.000 %		15
363.		10.000 %	10,418	25.000 %		15
364.		10.000 %	13,654	25.000 %		15
365.		10.000 %	12,173	25.000 %		15
366.		10.000 %	9,479	25.000 %		15
367.		10.000 %	12,173	25.000 %		15
368.		10.000 %	10,620	25.000 %		15
369.		10.000 %	9,349	25.000 %		15

	F1 Eligible expenditures before March 27, 2009 (see note 1 below) 450	Eligible percentage before March 27, 2009 (from line 310 in Part 3)	F2 Eligible expenditures after March 26, 2009 (see note 1 below) 452	Eligible percentage after March 26, 2009 (from line 310a in Part 3)	X Number of consecutive weeks of the WP completed by the student before March 27, 2009 (see note 3 below)	Y Total number of consecutive weeks of the student's WP (see note 3 below)
370.		10.000 %	5,151	25.000 %		15

	G Eligible amount (eligible expenditures **multiplied** by eligible percentage) (see note 2 below) 460	H Maximum CETC per WP (see note 3 below) 462	I CETC on eligible expenditures (column G or H, whichever is less) 470	J CETC on repayment of government assistance (see note 4 below) 480	K CETC for each WP (column I or column J) 490
1.	3,861	3,000	3,000		3,000
2.	3,861	3,000	3,000		3,000
3.	3,814	3,000	3,000		3,000
4.	4,038	3,000	3,000		3,000
5.	3,365	3,000	3,000		3,000
6.	3,068	3,000	3,000		3,000
7.	2,557	3,000	2,557		2,557
8.	3,129	3,000	3,000		3,000
9.	3,129	3,000	3,000		3,000
10.	2,894	3,000	2,894		2,894
11.	2,894	3,000	2,894		2,894
12.	3,883	3,000	3,000		3,000
13.	3,883	3,000	3,000		3,000
14.	2,233	3,000	2,233		2,233
15.	2,233	3,000	2,233		2,233
16.	2,844	3,000	2,844		2,844
17.	2,844	3,000	2,844		2,844
18.	3,905	3,000	3,000		3,000
19.	3,905	3,000	3,000		3,000
20.	3,129	3,000	3,000		3,000
21.	3,129	3,000	3,000		3,000
22.	2,759	3,000	2,759		2,759
23.	2,759	3,000	2,759		2,759
24.	2,962	3,000	2,962		2,962
25.	2,962	3,000	2,962		2,962
26.	3,905	3,000	3,000		3,000
27.	3,905	3,000	3,000		3,000
28.	2,756	3,000	2,756		2,756
29.	2,756	3,000	2,756		2,756
30.	3,843	3,000	3,000		3,000
31.	3,843	3,000	3,000		3,000
32.	3,626	3,000	3,000		3,000
33.	3,199	3,000	3,000		3,000
34.	2,870	3,000	2,870		2,870
35.	2,870	3,000	2,870		2,870
36.	3,443	3,000	3,000		3,000
37.	3,443	3,000	3,000		3,000
38.	3,986	3,000	3,000		3,000
39.	3,986	3,000	3,000		3,000
40.	3,794	3,000	3,000		3,000
41.	3,794	3,000	3,000		3,000
42.	2,962	3,000	2,962		2,962
43.	2,962	3,000	2,962		2,962
44.	3,852	3,000	3,000		3,000
45.	3,852	3,000	3,000		3,000

	G Eligible amount (eligible expenditures **multiplied** by eligible percentage) (see note 2 below) 460	H Maximum CETC per WP (see note 3 below) 462	I CETC on eligible expenditures (column G or H, whichever is less) 470	J CETC on repayment of government assistance (see note 4 below) 480	K CETC for each WP (column I or column J) 490
46.	3,905	3,000	3,000		3,000
47.	3,905	3,000	3,000		3,000
48.	3,905	3,000	3,000		3,000
49.	3,905	3,000	3,000		3,000
50.	3,129	3,000	3,000		3,000
51.	3,129	3,000	3,000		3,000
52.	2,723	3,000	2,723		2,723
53.	2,723	3,000	2,723		2,723
54.	2,703	3,000	2,703		2,703
55.	2,703	3,000	2,703		2,703
56.	2,775	3,000	2,775		2,775
57.	2,775	3,000	2,775		2,775
58.	2,761	3,000	2,761		2,761
59.	2,761	3,000	2,761		2,761
60.	2,918	3,000	2,918		2,918
61.	2,918	3,000	2,918		2,918
62.	2,523	3,000	2,523		2,523
63.	2,523	3,000	2,523		2,523
64.	3,009	3,000	3,000		3,000
65.	3,009	3,000	3,000		3,000
66.	3,816	3,000	3,000		3,000
67.	3,816	3,000	3,000		3,000
68.	3,046	3,000	3,000		3,000
69.	3,046	3,000	3,000		3,000
70.	3,916	3,000	3,000		3,000
71.	3,456	3,000	3,000		3,000
72.	3,863	3,000	3,000		3,000
73.	3,863	3,000	3,000		3,000
74.	3,679	3,000	3,000		3,000
75.	3,896	3,000	3,000		3,000
76.	3,246	3,000	3,000		3,000
77.	3,772	3,000	3,000		3,000
78.	3,772	3,000	3,000		3,000
79.	2,962	3,000	2,962		2,962
80.	2,962	3,000	2,962		2,962
81.	3,505	3,000	3,000		3,000
82.	3,505	3,000	3,000		3,000
83.	3,593	3,000	3,000		3,000
84.	3,593	3,000	3,000		3,000
85.	3,905	3,000	3,000		3,000
86.	3,905	3,000	3,000		3,000
87.	2,056	3,000	2,056		2,056
88.	2,056	3,000	2,056		2,056
89.	2,950	3,000	2,950		2,950
90.	2,950	3,000	2,950		2,950
91.	3,549	3,000	3,000		3,000
92.	3,549	3,000	3,000		3,000
93.	2,776	3,000	2,776		2,776
94.	2,776	3,000	2,776		2,776
95.	3,794	3,000	3,000		3,000
96.	3,794	3,000	3,000		3,000
97.	2,668	3,000	2,668		2,668
98.	2,668	3,000	2,668		2,668

	G Eligible amount (eligible expenditures **multiplied** by eligible percentage) (see note 2 below) 460	H Maximum CETC per WP (see note 3 below) 462	I CETC on eligible expenditures (column G or H, whichever is less) 470	J CETC on repayment of government assistance (see note 4 below) 480	K CETC for each WP (column I or column J) 490
99.	3,230	3,000	3,000		3,000
100.	2,850	3,000	2,850		2,850
101.	2,661	3,000	2,661		2,661
102.	2,817	3,000	2,817		2,817
103.	3,430	3,000	3,000		3,000
104.	3,631	3,000	3,000		3,000
105.	4,665	3,000	3,000		3,000
106.	4,939	3,000	3,000		3,000
107.	3,638	3,000	3,000		3,000
108.	3,638	3,000	3,000		3,000
109.	3,905	3,000	3,000		3,000
110.	3,905	3,000	3,000		3,000
111.	2,769	3,000	2,769		2,769
112.	2,769	3,000	2,769		2,769
113.	3,794	3,000	3,000		3,000
114.	3,794	3,000	3,000		3,000
115.	2,751	3,000	2,751		2,751
116.	2,912	3,000	2,912		2,912
117.	2,707	3,000	2,707		2,707
118.	2,867	3,000	2,867		2,867
119.	4,559	3,000	3,000		3,000
120.	4,827	3,000	3,000		3,000
121.	2,876	3,000	2,876		2,876
122.	3,045	3,000	3,000		3,000
123.	2,793	3,000	2,793		2,793
124.	2,793	3,000	2,793		2,793
125.	2,943	3,000	2,943		2,943
126.	3,116	3,000	3,000		3,000
127.	3,905	3,000	3,000		3,000
128.	3,905	3,000	3,000		3,000
129.	3,942	3,000	3,000		3,000
130.	3,942	3,000	3,000		3,000
131.	2,437	3,000	2,437		2,437
132.	2,581	3,000	2,581		2,581
133.	3,839	3,000	3,000		3,000
134.	3,839	3,000	3,000		3,000
135.	2,780	3,000	2,780		2,780
136.	2,126	3,000	2,126		2,126
137.	2,608	3,000	2,608		2,608
138.	2,762	3,000	2,762		2,762
139.	3,046	3,000	3,000		3,000
140.	3,046	3,000	3,000		3,000
141.	3,215	3,000	3,000		3,000
142.	2,837	3,000	2,837		2,837
143.	3,555	3,000	3,000		3,000
144.	3,137	3,000	3,000		3,000
145.	3,670	3,000	3,000		3,000
146.	3,238	3,000	3,000		3,000
147.	2,871	3,000	2,871		2,871
148.	3,040	3,000	3,000		3,000
149.	5,911	3,000	3,000		3,000
150.	2,871	3,000	2,871		2,871
151.	3,785	3,000	3,000		3,000

	G Eligible amount (eligible expenditures **multiplied** by eligible percentage) (see note 2 below) 460	H Maximum CETC per WP (see note 3 below) 462	I CETC on eligible expenditures (column G or H, whichever is less) 470	J CETC on repayment of government assistance (see note 4 below) 480	K CETC for each WP (column I or column J) 490
152.	4,008	3,000	3,000		3,000
153.	3,340	3,000	3,000		3,000
154.	3,265	3,000	3,000		3,000
155.	3,457	3,000	3,000		3,000
156.	2,683	3,000	2,683		2,683
157.	2,840	3,000	2,840		2,840
158.	2,483	3,000	2,483		2,483
159.	2,629	3,000	2,629		2,629
160.	3,295	3,000	3,000		3,000
161.	2,907	3,000	2,907		2,907
162.	3,209	3,000	3,000		3,000
163.	2,674	3,000	2,674		2,674
164.	4,120	3,000	3,000		3,000
165.	3,434	3,000	3,000		3,000
166.	2,911	3,000	2,911		2,911
167.	2,426	3,000	2,426		2,426
168.	3,125	3,000	3,000		3,000
169.	2,604	3,000	2,604		2,604
170.	3,125	3,000	3,000		3,000
171.	2,604	3,000	2,604		2,604
172.	3,088	3,000	3,000		3,000
173.	2,573	3,000	2,573		2,573
174.	4,120	3,000	3,000		3,000
175.	3,434	3,000	3,000		3,000
176.	5,573	3,000	3,000		3,000
177.	5,545	3,000	3,000		3,000
178.	5,714	3,000	3,000		3,000
179.	4,047	3,000	3,000		3,000
180.	3,373	3,000	3,000		3,000
181.	3,080	3,000	3,000		3,000
182.	2,567	3,000	2,567		2,567
183.	4,120	3,000	3,000		3,000
184.	3,434	3,000	3,000		3,000
185.	4,107	3,000	3,000		3,000
186.	3,423	3,000	3,000		3,000
187.	3,890	3,000	3,000		3,000
188.	3,241	3,000	3,000		3,000
189.	3,117	3,000	3,000		3,000
190.	2,597	3,000	2,597		2,597
191.	3,003	3,000	3,000		3,000
192.	2,502	3,000	2,502		2,502
193.	3,125	3,000	3,000		3,000
194.	2,604	3,000	2,604		2,604
195.	4,120	3,000	3,000		3,000
196.	3,434	3,000	3,000		3,000
197.	2,654	3,000	2,654		2,654
198.	2,212	3,000	2,212		2,212
199.	4,031	3,000	3,000		3,000
200.	3,359	3,000	3,000		3,000
201.	4,120	3,000	3,000		3,000
202.	3,434	3,000	3,000		3,000
203.	2,830	3,000	2,830		2,830
204.	2,359	3,000	2,359		2,359

	G Eligible amount (eligible expenditures **multiplied** by eligible percentage) (see note 2 below) 460	H Maximum CETC per WP (see note 3 below) 462	I CETC on eligible expenditures (column G or H, whichever is less) 470	J CETC on repayment of government assistance (see note 4 below) 480	K CETC for each WP (column I or column J) 490
205.	2,977	3,000	2,977		2,977
206.	2,481	3,000	2,481		2,481
207.	3,830	3,000	3,000		3,000
208.	3,191	3,000	3,000		3,000
209.	3,125	3,000	3,000		3,000
210.	2,604	3,000	2,604		2,604
211.	2,978	3,000	2,978		2,978
212.	2,482	3,000	2,482		2,482
213.	4,120	3,000	3,000		3,000
214.	3,434	3,000	3,000		3,000
215.	3,780	3,000	3,000		3,000
216.	3,150	3,000	3,000		3,000
217.	4,050	3,000	3,000		3,000
218.	3,375	3,000	3,000		3,000
219.	4,120	3,000	3,000		3,000
220.	3,434	3,000	3,000		3,000
221.	4,142	3,000	3,000		3,000
222.	3,452	3,000	3,000		3,000
223.	3,479	3,000	3,000		3,000
224.	3,862	3,000	3,000		3,000
225.	3,053	3,000	3,000		3,000
226.	3,861	3,000	3,000		3,000
227.	3,474	3,000	3,000		3,000
228.	3,556	3,000	3,000		3,000
229.	3,860	3,000	3,000		3,000
230.	4,069	3,000	3,000		3,000
231.	3,053	3,000	3,000		3,000
232.	4,008	3,000	3,000		3,000
233.	3,587	3,000	3,000		3,000
234.	2,894	3,000	2,894		2,894
235.	4,025	3,000	3,000		3,000
236.	4,008	3,000	3,000		3,000
237.	2,908	3,000	2,908		2,908
238.	2,983	3,000	2,983		2,983
239.	2,950	3,000	2,950		2,950
240.	3,591	3,000	3,000		3,000
241.	4,108	3,000	3,000		3,000
242.	3,847	3,000	3,000		3,000
243.	3,053	3,000	3,000		3,000
244.	3,019	3,000	3,000		3,000
245.	3,547	3,000	3,000		3,000
246.	3,270	3,000	3,000		3,000
247.	2,641	3,000	2,641		2,641
248.	3,053	3,000	3,000		3,000
249.	2,850	3,000	2,850		2,850
250.	2,578	3,000	2,578		2,578
251.	3,053	3,000	3,000		3,000
252.	2,849	3,000	2,849		2,849
253.	3,492	3,000	3,000		3,000
254.	2,921	3,000	2,921		2,921
255.	2,641	3,000	2,641		2,641
256.	2,582	3,000	2,582		2,582
257.	2,641	3,000	2,641		2,641

	G Eligible amount (eligible expenditures **multiplied** by eligible percentage) (see note 2 below) 460	H Maximum CETC per WP (see note 3 below) 462	I CETC on eligible expenditures (column G or H, whichever is less) 470	J CETC on repayment of government assistance (see note 4 below) 480	K CETC for each WP (column I or column J) 490
258.	2,985	3,000	2,985		2,985
259.	4,002	3,000	3,000		3,000
260.	3,537	3,000	3,000		3,000
261.	2,777	3,000	2,777		2,777
262.	3,053	3,000	3,000		3,000
263.	3,011	3,000	3,000		3,000
264.	2,525	3,000	2,525		2,525
265.	3,040	3,000	3,000		3,000
266.	4,275	3,000	3,000		3,000
267.	3,214	3,000	3,000		3,000
268.	3,275	3,000	3,000		3,000
269.	3,145	3,000	3,000		3,000
270.	2,483	3,000	2,483		2,483
271.	3,275	3,000	3,000		3,000
272.	3,794	3,000	3,000		3,000
273.	3,236	3,000	3,000		3,000
274.	3,862	3,000	3,000		3,000
275.	2,871	3,000	2,871		2,871
276.	6,742	3,000	3,000		3,000
277.	3,850	3,000	3,000		3,000
278.	3,275	3,000	3,000		3,000
279.	5,047	3,000	3,000		3,000
280.	2,629	3,000	2,629		2,629
281.	4,008	3,000	3,000		3,000
282.	3,458	3,000	3,000		3,000
283.	3,548	3,000	3,000		3,000
284.	3,549	3,000	3,000		3,000
285.	5,539	3,000	3,000		3,000
286.	3,471	3,000	3,000		3,000
287.	3,471	3,000	3,000		3,000
288.	3,467	3,000	3,000		3,000
289.	3,548	3,000	3,000		3,000
290.	3,467	3,000	3,000		3,000
291.	3,467	3,000	3,000		3,000
292.	3,467	3,000	3,000		3,000
293.	3,467	3,000	3,000		3,000
294.	2,655	3,000	2,655		2,655
295.	3,502	3,000	3,000		3,000
296.	2,655	3,000	2,655		2,655
297.	2,655	3,000	2,655		2,655
298.	2,655	3,000	2,655		2,655
299.	2,990	3,000	2,990		2,990
300.	2,836	3,000	2,836		2,836
301.	3,043	3,000	3,000		3,000
302.	3,005	3,000	3,000		3,000
303.	2,655	3,000	2,655		2,655
304.	2,655	3,000	2,655		2,655
305.	2,655	3,000	2,655		2,655
306.	2,219	3,000	2,219		2,219
307.	2,279	3,000	2,279		2,279
308.	3,591	3,000	3,000		3,000
309.	3,043	3,000	3,000		3,000
310.	2,655	3,000	2,655		2,655

	G Eligible amount (eligible expenditures **multiplied** by eligible percentage) (see note 2 below) 460	H Maximum CETC per WP (see note 3 below) 462	I CETC on eligible expenditures (column G or H, whichever is less) 470	J CETC on repayment of government assistance (see note 4 below) 480	K CETC for each WP (column I or column J) 490
311.	3,591	3,000	3,000		3,000
312.	2,924	3,000	2,924		2,924
313.	3,547	3,000	3,000		3,000
314.	2,668	3,000	2,668		2,668
315.	2,637	3,000	2,637		2,637
316.	3,518	3,000	3,000		3,000
317.	2,655	3,000	2,655		2,655
318.	2,655	3,000	2,655		2,655
319.	2,968	3,000	2,968		2,968
320.	2,621	3,000	2,621		2,621
321.	2,190	3,000	2,190		2,190
322.	2,655	3,000	2,655		2,655
323.	3,474	3,000	3,000		3,000
324.	3,518	3,000	3,000		3,000
325.	2,621	3,000	2,621		2,621
326.	3,458	3,000	3,000		3,000
327.	2,676	3,000	2,676		2,676
328.	3,501	3,000	3,000		3,000
329.	2,655	3,000	2,655		2,655
330.	3,324	3,000	3,000		3,000
331.	3,501	3,000	3,000		3,000
332.	3,501	3,000	3,000		3,000
333.	2,523	3,000	2,523		2,523
334.	3,529	3,000	3,000		3,000
335.	2,297	3,000	2,297		2,297
336.	3,501	3,000	3,000		3,000
337.	3,501	3,000	3,000		3,000
338.	3,501	3,000	3,000		3,000
339.	2,736	3,000	2,736		2,736
340.	2,693	3,000	2,693		2,693
341.	2,655	3,000	2,655		2,655
342.	2,727	3,000	2,727		2,727
343.	3,502	3,000	3,000		3,000
344.	2,588	3,000	2,588		2,588
345.	2,579	3,000	2,579		2,579
346.	3,473	3,000	3,000		3,000
347.	2,634	3,000	2,634		2,634
348.	3,043	3,000	3,000		3,000
349.	3,470	3,000	3,000		3,000
350.	2,521	3,000	2,521		2,521
351.	2,966	3,000	2,966		2,966
352.	2,419	3,000	2,419		2,419
353.	2,655	3,000	2,655		2,655
354.	3,501	3,000	3,000		3,000
355.	2,588	3,000	2,588		2,588
356.	3,501	3,000	3,000		3,000
357.	3,402	3,000	3,000		3,000
358.	3,043	3,000	3,000		3,000
359.	2,655	3,000	2,655		2,655
360.	2,655	3,000	2,655		2,655
361.	2,668	3,000	2,668		2,668
362.	2,887	3,000	2,887		2,887
363.	2,605	3,000	2,605		2,605

	G Eligible amount (eligible expenditures **multiplied** by eligible percentage) (see note 2 below) 460	H Maximum CETC per WP (see note 3 below) 462	I CETC on eligible expenditures (column G or H, whichever is less) 470	J CETC on repayment of government assistance (see note 4 below) 480	K CETC for each WP (column I or column J) 490
364.	3,414	3,000	3,000		3,000
365.	3,043	3,000	3,000		3,000
366.	2,370	3,000	2,370		2,370
367.	3,043	3,000	3,000		3,000
368.	2,655	3,000	2,655		2,655
369.	2,337	3,000	2,337		2,337
370.	1,288	3,000	1,288		1,288

Ontario co-operative education tax credit (total of amounts in column K) **500** 1,062,207 **L**

or, if the corporation answered **yes** at line 150 in Part 1, determine the partner's share of amount L:

Amount L _____ x percentage on line 170 in Part 1 _____ % = ... **M**

Enter amount L or M, whichever applies, on line 452 of Schedule 5, *Tax Calculation Supplementary – Corporations*. If you are filing more than one Schedule 550, add the amounts from line L or M, whichever applies, on all the schedules and enter the total amount on line 452 of Schedule 5.

Note 1: Reduce eligible expenditures by all government assistance, as defined under subsection 88(21) of the *Taxation Act, 2007* (Ontario), that the corporation has received, is entitled to receive, or may reasonably expect to receive, for the eligible expenditures, on or before the filing due date of the *T2 Corporation Income Tax Return* for the tax year.

Note 2: Calculate the eligible amount (Column G) using the following formula:

Column G = (column F1 x percentage on line 310) + (column F2 x percentage on line 312)

Note 3: If the WP ends before March 27, 2009, the maximum credit amount for the WP is $1,000.
If the WP begins after March 26, 2009, the maximum credit amount for the WP is $3,000.
If the WP begins before March 27, 2009, and ends after March 26, 2009, calculate the maximum credit amount using the following formula:

($1,000 x X/Y) + [$3,000 x (Y – X)/Y]

where "X" is the number of consecutive weeks of the WP completed by the student before March 27, 2009, and "Y" is the total number of consecutive weeks of the student's WP.

Note 4: When claiming a CETC for repayment of government assistance, complete a **separate entry** for each repayment and complete columns A to E and J and K with the details for the previous year WP in which the government assistance was received. Include the amount of government assistance repaid in the tax year multiplied by the eligible percentage for the tax year in which the government assistance was received, to the extent that the government assistance reduced the CETC in that tax year.

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Schedule 552

Ontario Apprenticeship Training Tax Credit

Corporation's name	Business number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- Use this schedule to claim an Ontario apprenticeship training tax credit (ATTC) under section 89 of the *Taxation Act, 2007* (Ontario).
- The ATTC is a refundable tax credit that is equal to a specified percentage (25% to 45%) of the eligible expenditures incurred by a corporation for a qualifying apprenticeship. For eligible expenditures incurred after March 26, 2009 for an apprenticeship program that began before April 24, 2015, the maximum credit for each qualifying apprenticeship is $10,000 per year to a maximum credit of $40,000 over the first 48-month period of the qualifying apprenticeship. For an apprenticeship program that began after April 23, 2015, the maximum credit for each qualifying apprenticeship is $5,000 per year to a maximum credit of $15,000 over the first 36-month period of the qualifying apprenticeship.
- Eligible expenditures are salaries and wages (including taxable benefits) paid to an apprentice in a qualifying apprenticeship or fees paid to an employment agency for the provision of services performed by the apprentice in a qualifying apprenticeship. These expenditures must be:
  - paid on account of employment or services, as applicable, at a permanent establishment of the corporation in Ontario;
  - for services provided by the apprentice during the first 48 months of the apprenticeship program, if an apprenticeship program began before April 24, 2015; and
  - for services provided by the apprentice during the first 36 months of the apprenticeship program, if an apprenticeship program began after April 23, 2015.
- An expenditure is not eligible for an ATTC if:
  - the same expenditure was used, or will be used, to claim a co-operative education tax credit; or
  - it is more than an amount that would be paid to an arm's length apprentice.
- An apprenticeship must meet the following conditions to be a qualifying apprenticeship:
  - the apprenticeship is in a qualifying skilled trade approved by the Ministry of Training, Colleges and Universities (Ontario) or a person designated by him or her; and
  - the corporation and the apprentice must be participating in an apprenticeship program in which the training agreement has been registered under the *Ontario College of Trades and Apprenticeship Act, 2009, or* the *Apprenticeship and Certification Act, 1998,* or in which the contract of apprenticeship has been registered under the *Trades Qualification and Apprenticeship Act*.
- Do not submit the training agreement or contract of apprenticeship with your *T2 Corporation Income Tax Return*. Keep a copy of the training agreement or contract of apprenticeship to support your claim.
- File this schedule with your *T2 Corporation Income Tax Return*.

Part 1 – Corporate information

110 Name of person to contact for more information [redacted]

120 Telephone number [redacted]

Is the claim filed for an ATTC earned through a partnership? * . . . . . **150** 1 Yes ☐ 2 No ☒

If you answered **yes** to the question at line 150, what is the name of the partnership? **160** _____

Enter the percentage of the partnership's ATTC allocated to the corporation . . . . . **170** _____ %

* When a corporate member of a partnership is claiming an amount for eligible expenditures incurred by a partnership, complete a Schedule 552 for the partnership as if the partnership were a corporation. Each corporate partner, other than a limited partner, should file a separate Schedule 552 to claim the partner's share of the partnership's ATTC. The total of the partners' allocated amounts can never exceed the amount of the partnership's ATTC.

Part 2 – Eligibility

1. Did the corporation have a permanent establishment in Ontario in the tax year? . . . . . **200** 1 Yes ☒ 2 No ☐
2. Was the corporation exempt from tax under Part III of the *Taxation Act, 2007* (Ontario)? . . . . . **210** 1 Yes ☐ 2 No ☒

If you answered **no** to question 1 or **yes** to question 2, then you are **not eligible** for the ATTC.

Part 3 – Specified percentage

Corporation's salaries and wages paid in the previous tax year * **300** 224,900,000

For eligible expenditures incurred after March 26, 2009 for an apprenticeship program that began before April 24, 2015:

- If line 300 is $400,000 or less, enter 45% on line 312.
- If line 300 is $600,000 or more, enter 35% on line 312.
- If line 300 is more than $400,000 and less than $600,000, enter the percentage on line 312 using the following formula:

$$\text{Specified percentage} = 45\% - \left[10\% \times \left(\frac{\text{amount on line 300 } \textbf{minus } 400{,}000}{200{,}000} \right) \right]$$

Specified percentage . . . . . **312** 35.000 %

For eligible expenditures incurred for an apprenticeship program that began after April 23, 2015:

- If line 300 is $400,000 or less, enter 30% on line 314.
- If line 300 is $600,000 or more, enter 25% on line 314.
- If line 300 is more than $400,000 and less than $600,000, enter the percentage on line 314 using the following formula:

$$\text{Specified percentage} = 30\% - \left[5\% \times \left(\frac{\text{amount on line 300 } \textbf{minus } 400{,}000}{200{,}000} \right) \right]$$

Specified percentage . . . . . **314** 25.000 %

* If this is the first tax year of an amalgamated corporation and subsection 89(6) of the *Taxation Act, 2007* (Ontario) applies, enter salaries and wages paid in the previous tax year by the predecessor corporations.

Part 4 – Ontario apprenticeship training tax credit

Complete a **separate entry** for each apprentice for each qualifying apprenticeship with the corporation. When claiming an ATTC for repayment of government assistance, complete a **separate entry** for each repayment, and complete columns A to G and M and N with the details for the employment period in the previous tax year in which the government assistance was received.

	A Trade code **400**	B Apprenticeship program/trade name **405**	C Name of apprentice **410**
1.	434a	Powerline Technician	[redacted]
2.	434a	Powerline Technician	
3.	434a	Powerline Technician	
4.	434a	Powerline Technician	
5.	434a	Powerline Technician	
6.	434a	Powerline Technician	
7.	434a	Powerline Technician	
8.	434a	Powerline Technician	
9.	434a	Powerline Technician	
10.	434a	Powerline Technician	
11.	434a	Powerline Technician	
12.	434a	Powerline Technician	

	D Original contract or training agreement number **420**	E Original registration date of apprenticeship contract or training agreement (YYYYMMDD) (see note 1) **425**	F Start date of employment as an apprentice in the tax year (YYYYMMDD) (see note 2) **430**	G End date of employment as an apprentice in the tax year (YYYYMMDD) (see note 3) **435**
1.	[redacted]	2016-02-29	2016-02-29	2016-12-31
2.	[redacted]	2016-02-29	2016-02-29	2016-12-31
3.	[redacted]	2016-02-29	2016-02-29	2016-12-31
4.	[redacted]	2016-02-29	2016-02-29	2016-12-31
5.	[redacted]	2016-02-29	2016-02-29	2016-12-31
6.	[redacted]	2016-02-29	2016-02-29	2016-12-31
7.	[redacted]	2016-02-29	2016-02-29	2016-12-31
8.	[redacted]	2016-02-29	2016-02-29	2016-12-31
9.	[redacted]	2016-02-29	2016-02-29	2016-12-31

	D Original contract or training agreement number 420	E Original registration date of apprenticeship contract or training agreement (YYYYMMDD) (see note 1) 425	F Start date of employment as an apprentice in the tax year (YYYYMMDD) (see note 2) 430	G End date of employment as an apprentice in the tax year (YYYYMMDD) (see note 3) 435
10.	[redacted]	2016-02-29	2016-02-29	2016-12-31
11.	[redacted]	2016-02-29	2016-02-29	2016-12-31
12.	[redacted]	2016-02-29	2016-02-29	2016-12-31

Note 1: Enter the original registration date of the apprenticeship contract or training agreement in all cases, even when multiple employers employed the apprentice.

Note 2: When there are multiple employment periods as an apprentice in the tax year with the corporation, enter the date that is the first day of employment as an apprentice in the tax year with the corporation. When claiming an ATTC for repayment of government assistance, enter the start date of employment as an apprentice for the tax year in which the government assistance was received.

Note 3: When there are multiple employment periods as an apprentice in the tax year with the corporation, enter the date that is the last day of employment as an apprentice in the tax year with the corporation. When claiming an ATTC for repayment of government assistance, enter the end date of employment as an apprentice for the tax year in which the government assistance was received.

Part 4 – Ontario apprenticeship training tax credit (continued)

	H1 Number of days in the tax year employed as an apprentice in a qualifying apprenticeship program that began before April 24, 2015 (see note 1) 442	H2 Number of days in the tax year employed as an apprentice in a qualifying apprenticeship program that began after April 23, 2015 (see note 1) 443	I Maximum credit amount for the tax year (see note 2) 445
1.		306	4,180
2.		306	4,180
3.		306	4,180
4.		306	4,180
5.		306	4,180
6.		306	4,180
7.		306	4,180
8.		306	4,180
9.		306	4,180
10.		306	4,180
11.		306	4,180
12.		306	4,180

Note 1: When there are multiple employment periods as an apprentice in the tax year with the corporation, do not include days in which the individual was not employed as an apprentice.
For H1: The days employed as an apprentice must be within 48 months of the registration date provided in column E.
For H2: The days employed as an apprentice must be within 36 months of the registration date provided in column E.

Note 2: Maximum credit = ($10,000 × H1/365*****) or ($5,000 × H2/365*****), whichever applies.
***** 366 days, if the tax year includes February 29

	J1 Eligible expenditures incurred after March 26, 2009 for a qualifying apprenticeship program that began before April 24, 2015 (see note 3) 452	J2 Eligible expenditures incurred for a qualifying apprenticeship program that began after April 23, 2015 (see note 3) 453	K Eligible expenditures **multiplied** by specified percentage (see note 4) 460
1.		58,039	14,510
2.		54,213	13,553
3.		58,642	14,661
4.		57,468	14,367
5.		70,055	17,514
6.		79,933	19,983
7.		80,309	20,077
8.		71,806	17,952
9.		70,023	17,506
10.		75,055	18,764
11.		69,642	17,411
12.		70,181	17,545

Note 3: Reduce eligible expenditures by all government assistance, as defined under subsection 89(19) of the *Taxation Act, 2007* (Ontario), that the corporation has received, is entitled to receive, or may reasonably expect to receive, in respect of the eligible expenditures, on or before the filing due date of the *T2 Corporation Income Tax Return* for the tax year.
For J1: Eligible expenditures must be for services provided by the apprentice to the taxpayer during the first 48 months of the apprenticeship program, and not relating to services performed before the apprenticeship program began or after it ended.
For J2: Eligible expenditures must be for services provided by the apprentice to the taxpayer during the first 36 months of the apprenticeship program, and not relating to services performed before the apprenticeship began or after it ended.

Note 4: Calculate the amount in column K as follows:
Column K = (J1 × line 312) or (J2 × line 314), whichever applies.

	L ATTC on eligible expenditures (lesser of columns I and K) 470	M ATTC on repayment of government assistance (see note 5) 480	N ATTC for each apprentice (column L or M, whichever applies) 490
1.	4,180		4,180
2.	4,180		4,180

	L ATTC on eligible expenditures (lesser of columns I and K) 470	M ATTC on repayment of government assistance (see note 5) 480	N ATTC for each apprentice (column L or M, whichever applies) 490
3.	4,180		4,180
4.	4,180		4,180
5.	4,180		4,180
6.	4,180		4,180
7.	4,180		4,180
8.	4,180		4,180
9.	4,180		4,180
10.	4,180		4,180
11.	4,180		4,180
12.	4,180		4,180

Ontario apprenticeship training tax credit (total of amounts in column N) **500** 50,160 **O**

Or, if the corporation answered **yes** at line 150 in Part 1, determine the partner's share of amount O:

Amount O _____ x percentage on line 170 in Part 1 _____ % = ... _____ **P**

Enter amount O or P, whichever applies, on line 454 of Schedule 5, *Tax Calculation Supplementary – Corporations*. If you are filing more than one Schedule 552, **add** the amounts from line O or P, whichever applies, on all the schedules, and enter the total amount on line 454 of Schedule 5.

Note 5: Include the amount of government assistance repaid in the tax year multiplied by the specified percentage for the tax year in which the government assistance was received, to the extent that the government assistance reduced the ATTC in that tax year. Complete a **separate entry** for each repayment of government assistance.

See the privacy notice on your return.

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SCHEDULE 568

ONTARIO BUSINESS-RESEARCH INSTITUTE TAX CREDIT

Name of corporation	Business Number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- Use this schedule to claim the Ontario business-research institute tax credit (OBRITC) under section 97 of the *Taxation Act, 2007* (Ontario).
- The OBRITC is a 20% refundable tax credit based on qualified expenditures incurred in Ontario under an eligible contract with an eligible research institute (ERI).
- A list of eligible research institutes and the applicable ERI codes for eligible contracts can be found on our website. Go to **www.cra.gc.ca/ctao** and select "business-research institute tax credit".
- The criteria for a corporation to be eligible for the OBRITC include the eligibility requirements in Part 1 of this schedule.
- The annual qualified expenditure limit is $20 million. If a corporation is associated with other corporations at any time in the calendar year, the $20 million limit must be allocated among the associated corporations.
- Qualifying corporations are defined in subsection 97(3) of the *Taxation Act, 2007* (Ontario).
- For each eligible contract, you must complete a separate Schedule 569, *Ontario Business-Research Institute Tax Credit Contract Information*.
- Keep the eligible contract to support your claim. Do not submit the contract with the *T2 Corporation Income Tax Return*.
- To claim the OBRITC, include the following with the *T2 Corporation Income Tax Return*:
  – a completed copy of this schedule; and
  – a completed copy of Schedule 569 for each eligible contract.

Part 1 – Eligibility

1. Did the corporation, for the tax year, carry on business in Ontario through a permanent establishment in Ontario? . . . . . **100** 1 Yes [X] 2 No [ ]
2. Was the corporation exempt from tax for the tax year under Part III of the *Taxation Act, 2007* (Ontario)? . . . . . **105** 1 Yes [ ] 2 No [X]

If you answered **no** to question 1 or **yes** to question 2, the corporation is **not eligible** for the OBRITC.

Part 2 – Qualified expenditure limit for the tax year

Was the corporation associated at any time in the tax year with another corporation? . . . . . **200** 1 Yes [X] 2 No [ ]

If the corporation answered **no** at line 200, enter $20,000,000 on line 205. If the corporation answered **yes** at line 200, complete Part 3 and enter on line 205 the expenditure limit allocated to the corporation in column 310 in Part 3.

Qualified expenditure limit . . . . . **205** 20,000,000 A

If the tax year is 51 weeks or more, enter amount A on line 210.

If the tax year of the filing corporation is less than 51 weeks, complete the following proration calculation:

Amount A 20,000,000 x (days in the tax year 366 / 365) = ... B

Qualified expenditure limit for the tax year (amount A or amount B, whichever applies) . . . . . **210** 20,000,000 C

Part 3 – Allocation of the $20 million expenditure limit between associated corporations

Use this part to allocate the $20 million expenditure limit to the filing corporation and all its associated corporations for each of their tax years ending in the calendar year. See subsection 38(4) of Ontario Regulation 37/09 for expenditure limit allocation rules for associated corporations. Attach additional schedules if you need more space.

	Name of all associated corporations, including the filing corporation (include the associated corporations that have a tax year that ends in the calendar year) **300**	Business Number (enter "NR" if corporation is not registered) **305**	Expenditure limit allocated **310**
1.	TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	20,000,000
2.	TORONTO HYDRO CORPORATION		
3.	TORONTO HYDRO ENERGY SERVICES INC.		

Total expenditure limit (cannot exceed $20 million) **315** 20,000,000 D

Enter the expenditure limit allocated to the corporation on line 205 in Part 2.

Part 4 – Calculation of the Ontario business-research institute tax credit

Total number of eligible contracts used to determine the OBRITC for this tax year **400** 3

Total qualified expenditures for all eligible contracts identified on line 400 for this tax year (total of amounts on line 310 in Part 3 of each **Schedule 569**) . . . . . **405** 156,800 E

Qualified expenditure limit for the tax year (amount C in Part 2) . . . . . 20,000,000 F

Qualified expenditures for the OBRITC for the tax year (amount E or F, whichever is less) **410** 156,800

Ontario business-research Institute tax credit (line 410 x 20 %) . . . . . 31,360 G

Enter amount G on line 470 of Schedule 5, *Tax Calculation Supplementary – Corporations*.

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SCHEDULE 569

ONTARIO BUSINESS-RESEARCH INSTITUTE TAX CREDIT CONTRACT INFORMATION

Name of corporation	Business Number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- Use this schedule to support your claim for the Ontario business-research institute tax credit (OBRITC), which is made on Schedule 568, *Ontario Business-Research Institute Tax Credit*. Complete a separate Schedule 569 for each eligible contract.
- The OBRITC is a 20% refundable tax credit based on qualified expenditures incurred in Ontario under an eligible contract with an eligible research institute (ERI). An ERI, for purposes of the OBRITC, is defined in subsection 97(27) of the *Taxation Act, 2007* (Ontario).
- A list of eligible research institutes and the applicable ERI codes for eligible contracts can be found on our web site. Go to **www.cra.gc.ca/ctao** and select "business-research institute tax credit".
- The eligibility requirements in Part 2 of this schedule must be met for the qualifying corporation to claim an OBRITC for this contract.
- Eligible contracts entered into before August 10, 2007 were subject to advanced ruling legislation. OBRITC claims relating to one of these contracts must have the corresponding Ontario Ministry of Revenue ruling reference number entered at line 130 in Part 1 of this schedule.
- Corporations can only claim the OBRITC for the number of days in the tax year that the corporation **was not** connected to the ERI. Connected corporations, for the purposes of the OBRITC, are defined in subsection 97(4) of the *Taxation Act*, 2007 (Ontario).
- Eligible contracts and qualified expenditures are defined in subsections 97(6) and 97(8), respectively, of the *Taxation Act, 2007* (Ontario).
- According to subsections 97(16) and (19) of the *Taxation Act, 2007* (Ontario), qualified expenditures must be reduced by contributions the corporation received, is entitled to receive or may reasonably expect to receive. Qualified expenditures include repayment of government assistance made by the corporation during the year. Contribution and government assistance are defined in subsection 97(27) of the *Taxation Act, 2007* (Ontario).

Part 1 – Contract details

100 Name of person to contact for more information: [redacted]

105 Telephone number including area code: [redacted]

110 Name of the ERI on the contract: Ryerson University

115 ERI code: 111

120 Date of contract: Year Month Day 2016-01-01

If the date on line 120 is before August 10, 2007, was the contract subject to an advanced ruling? . . . **125** 1 Yes ☐ 2 No ☒

For all contracts entered into before August 10, 2007, enter the Ontario Ministry of Revenue ruling reference number . . . . . **130** ☐ – ☐

Is the claim filed for an OBRITC earned through a partnership?* . . . . . **135** 1 Yes ☐ 2 No ☒

If the answer on line 135 is **yes**, are you a specified member? . . . . . **140** 1 Yes ☐ 2 No ☒

If the answer on line 135 is **yes**, what is the name of the partnership? **145**

Enter the corporation's percentage share of the income or loss of the partnership's fiscal period ending in the corporation's tax year . . . . . **150** ____ %

* When a corporate member of a partnership is claiming an amount for qualified expenditures incurred during the tax year under the eligible contract by the partnership, complete Schedule 569 as if the partnership were a corporation. Each corporate member, other than a specified member, should file a Schedule 569 as if it, instead of the partnership, had entered into the contract with the ERI and can claim the corporation's share of the partnership's qualified expenditures. Specified members of a partnership cannot claim an OBRITC. A definition of "specified member" can be found in subsection 248(1) of the federal *Income Tax Act*.

Part 2 – Eligibility

Contract:

1.	Did the corporation enter into a contract with an ERI?	200	1 Yes	X	2 No
2.	Do the terms of the contract state that the ERI agrees to perform, in Ontario, scientific research and experimental development (SR&ED) related to the business carried on in Canada by the corporation?	205	1 Yes	X	2 No
3.	Was the corporation entitled to exploit the results of the SR&ED carried out under the contract?	210	1 Yes	X	2 No

If you answered **no** to question 1, 2, or 3, the contract is **not** an **eligible** contract for the purposes of an OBRITC.

Expenditures:

4.	Were the expenditures made by a payment of money by the corporation to the ERI or by a prescribed payment?	215	1 Yes	X	2 No
5.	Were the expenditures incurred in respect of SR&ED carried on in Ontario by the ERI?	220	1 Yes	X	2 No
6.	Are the expenditures identified in subparagraph 37(1)(a)(i), (i.1) or (ii) of the federal *Income Tax Act* and would they also qualify as qualified expenditures, as defined in subsection 127(9) of the federal Act, other than prescribed types of expenditures and certain salaries or wages?	225	1 Yes	X	2 No
7.	Were the expenditures incurred by the corporation for purposes of SR&ED related to the business carried on in Canada by the corporation?	230	1 Yes	X	2 No

If you answered **no** to question 4, 5, 6, or 7, the expenditures are **not eligible** expenditures for the purposes of an OBRITC.

Part 3 – Qualified expenditures for this contract for the tax year

Qualified expenditures incurred in the tax year 300 120,000

If the corporation answered **yes** at line 135 in Part 1, and **no** at line 140 in Part 1, determine the partnerships' share of qualified expenditures available to claim in the tax year:

Line 300 120,000 x percentage on line 150 in Part 1 % = A

Number of days in this tax year that the corporation was **not** connected to the ERI identified on line 110 in Part 1 . . . . . 305 366

Qualified expenditures for this contract for the tax year:

$$\frac{\text{(Line 300 or amount A, whichever applies) x line 305}}{\text{number of days in the tax year}} \quad \frac{43{,}920{,}000}{366} =$$

. . . . . 310 120,000 B

Enter amount B on line 405 of **Schedule 568**, *Ontario Business-Research Institute Tax Credit*.

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SCHEDULE 569

ONTARIO BUSINESS-RESEARCH INSTITUTE TAX CREDIT CONTRACT INFORMATION

Name of corporation	Business Number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- Use this schedule to support your claim for the Ontario business-research institute tax credit (OBRITC), which is made on Schedule 568, *Ontario Business-Research Institute Tax Credit*. Complete a separate Schedule 569 for each eligible contract.
- The OBRITC is a 20% refundable tax credit based on qualified expenditures incurred in Ontario under an eligible contract with an eligible research institute (ERI). An ERI, for purposes of the OBRITC, is defined in subsection 97(27) of the *Taxation Act, 2007* (Ontario).
- A list of eligible research institutes and the applicable ERI codes for eligible contracts can be found on our web site. Go to **www.cra.gc.ca/ctao** and select "business-research institute tax credit".
- The eligibility requirements in Part 2 of this schedule must be met for the qualifying corporation to claim an OBRITC for this contract.
- Eligible contracts entered into before August 10, 2007 were subject to advanced ruling legislation. OBRITC claims relating to one of these contracts must have the corresponding Ontario Ministry of Revenue ruling reference number entered at line 130 in Part 1 of this schedule.
- Corporations can only claim the OBRITC for the number of days in the tax year that the corporation **was not** connected to the ERI. Connected corporations, for the purposes of the OBRITC, are defined in subsection 97(4) of the *Taxation Act*, 2007 (Ontario).
- Eligible contracts and qualified expenditures are defined in subsections 97(6) and 97(8), respectively, of the *Taxation Act, 2007* (Ontario).
- According to subsections 97(16) and (19) of the *Taxation Act, 2007* (Ontario), qualified expenditures must be reduced by contributions the corporation received, is entitled to receive or may reasonably expect to receive. Qualified expenditures include repayment of government assistance made by the corporation during the year. Contribution and government assistance are defined in subsection 97(27) of the *Taxation Act, 2007* (Ontario).

Part 1 – Contract details

100 Name of person to contact for more information: [redacted]

105 Telephone number including area code: [redacted]

110 Name of the ERI on the contract: University of Toronto

115 ERI code: 116

120 Date of contract (Year Month Day): 2016-01-01

If the date on line 120 is before August 10, 2007, was the contract subject to an advanced ruling? . . . **125** 1 Yes ☐ 2 No ☒

For all contracts entered into before August 10, 2007, enter the Ontario Ministry of Revenue ruling reference number . . . . . **130** ☐ – ☐

Is the claim filed for an OBRITC earned through a partnership?* . . . . . **135** 1 Yes ☐ 2 No ☒

If the answer on line 135 is **yes**, are you a specified member? . . . . . **140** 1 Yes ☐ 2 No ☒

If the answer on line 135 is **yes**, what is the name of the partnership? **145**

Enter the corporation's percentage share of the income or loss of the partnership's fiscal period ending in the corporation's tax year . . . . . **150** ____ %

* When a corporate member of a partnership is claiming an amount for qualified expenditures incurred during the tax year under the eligible contract by the partnership, complete Schedule 569 as if the partnership were a corporation. Each corporate member, other than a specified member, should file a Schedule 569 as if it, instead of the partnership, had entered into the contract with the ERI and can claim the corporation's share of the partnership's qualified expenditures. Specified members of a partnership cannot claim an OBRITC. A definition of "specified member" can be found in subsection 248(1) of the federal *Income Tax Act*.

Part 2 – Eligibility

Contract:

1.	Did the corporation enter into a contract with an ERI?	200	1 Yes	X	2 No
2.	Do the terms of the contract state that the ERI agrees to perform, in Ontario, scientific research and experimental development (SR&ED) related to the business carried on in Canada by the corporation?	205	1 Yes	X	2 No
3.	Was the corporation entitled to exploit the results of the SR&ED carried out under the contract?	210	1 Yes	X	2 No

If you answered **no** to question 1, 2, or 3, the contract is **not** an **eligible** contract for the purposes of an OBRITC.

Expenditures:

4.	Were the expenditures made by a payment of money by the corporation to the ERI or by a prescribed payment?	215	1 Yes	X	2 No
5.	Were the expenditures incurred in respect of SR&ED carried on in Ontario by the ERI?	220	1 Yes	X	2 No
6.	Are the expenditures identified in subparagraph 37(1)(a)(i), (i.1) or (ii) of the federal *Income Tax Act* and would they also qualify as qualified expenditures, as defined in subsection 127(9) of the federal Act, other than prescribed types of expenditures and certain salaries or wages?	225	1 Yes	X	2 No
7.	Were the expenditures incurred by the corporation for purposes of SR&ED related to the business carried on in Canada by the corporation?	230	1 Yes	X	2 No

If you answered **no** to question 4, 5, 6, or 7, the expenditures are **not eligible** expenditures for the purposes of an OBRITC.

Part 3 – Qualified expenditures for this contract for the tax year

Qualified expenditures incurred in the tax year 300 20,800

If the corporation answered **yes** at line 135 in Part 1, and **no** at line 140 in Part 1, determine the partnerships' share of qualified expenditures available to claim in the tax year:

Line 300 20,800 x percentage on line 150 in Part 1 % = A

Number of days in this tax year that the corporation was **not** connected to the ERI identified on line 110 in Part 1 . . . . . 305 366

Qualified expenditures for this contract for the tax year:

$$\frac{\text{(Line 300 or amount A, whichever applies) x line 305}}{\text{number of days in the tax year}} \quad \frac{7{,}612{,}800}{366} =$$

. . . . . 310 20,800 B

Enter amount B on line 405 of **Schedule 568**, *Ontario Business-Research Institute Tax Credit*.

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Canada Revenue Agency / Agence du revenu du Canada

SCHEDULE 569

ONTARIO BUSINESS-RESEARCH INSTITUTE TAX CREDIT CONTRACT INFORMATION

Name of corporation	Business Number	Tax year-end Year Month Day
TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	[redacted]	2016-12-31

- Use this schedule to support your claim for the Ontario business-research institute tax credit (OBRITC), which is made on Schedule 568, *Ontario Business-Research Institute Tax Credit*. Complete a separate Schedule 569 for each eligible contract.
- The OBRITC is a 20% refundable tax credit based on qualified expenditures incurred in Ontario under an eligible contract with an eligible research institute (ERI). An ERI, for purposes of the OBRITC, is defined in subsection 97(27) of the *Taxation Act, 2007* (Ontario).
- A list of eligible research institutes and the applicable ERI codes for eligible contracts can be found on our web site. Go to **www.cra.gc.ca/ctao** and select "business-research institute tax credit".
- The eligibility requirements in Part 2 of this schedule must be met for the qualifying corporation to claim an OBRITC for this contract.
- Eligible contracts entered into before August 10, 2007 were subject to advanced ruling legislation. OBRITC claims relating to one of these contracts must have the corresponding Ontario Ministry of Revenue ruling reference number entered at line 130 in Part 1 of this schedule.
- Corporations can only claim the OBRITC for the number of days in the tax year that the corporation **was not** connected to the ERI. Connected corporations, for the purposes of the OBRITC, are defined in subsection 97(4) of the *Taxation Act*, 2007 (Ontario).
- Eligible contracts and qualified expenditures are defined in subsections 97(6) and 97(8), respectively, of the *Taxation Act, 2007* (Ontario).
- According to subsections 97(16) and (19) of the *Taxation Act, 2007* (Ontario), qualified expenditures must be reduced by contributions the corporation received, is entitled to receive or may reasonably expect to receive. Qualified expenditures include repayment of government assistance made by the corporation during the year. Contribution and government assistance are defined in subsection 97(27) of the *Taxation Act, 2007* (Ontario).

Part 1 – Contract details

100 Name of person to contact for more information: [redacted]

105 Telephone number including area code: [redacted]

110 Name of the ERI on the contract: Georgian College

115 ERI code: 212

120 Date of contract (Year Month Day): 2016-01-01

If the date on line 120 is before August 10, 2007, was the contract subject to an advanced ruling? . . . **125** 1 Yes [ ] 2 No [X]

For all contracts entered into before August 10, 2007, enter the Ontario Ministry of Revenue ruling reference number . . . . . **130** [ ] – [ ]

Is the claim filed for an OBRITC earned through a partnership?* . . . . . **135** 1 Yes [ ] 2 No [X]

If the answer on line 135 is **yes**, are you a specified member? . . . . . **140** 1 Yes [ ] 2 No [X]

If the answer on line 135 is **yes**, what is the name of the partnership? . . . . . **145** _____

Enter the corporation's percentage share of the income or loss of the partnership's fiscal period ending in the corporation's tax year . . . . . **150** _____ %

* When a corporate member of a partnership is claiming an amount for qualified expenditures incurred during the tax year under the eligible contract by the partnership, complete Schedule 569 as if the partnership were a corporation. Each corporate member, other than a specified member, should file a Schedule 569 as if it, instead of the partnership, had entered into the contract with the ERI and can claim the corporation's share of the partnership's qualified expenditures. Specified members of a partnership cannot claim an OBRITC. A definition of "specified member" can be found in subsection 248(1) of the federal *Income Tax Act*.

Part 2 – Eligibility

Contract:

1.	Did the corporation enter into a contract with an ERI?	**200**	1 Yes	X	2 No
2.	Do the terms of the contract state that the ERI agrees to perform, in Ontario, scientific research and experimental development (SR&ED) related to the business carried on in Canada by the corporation?	**205**	1 Yes	X	2 No
3.	Was the corporation entitled to exploit the results of the SR&ED carried out under the contract?	**210**	1 Yes	X	2 No

If you answered **no** to question 1, 2, or 3, the contract is **not** an **eligible** contract for the purposes of an OBRITC.

Expenditures:

4.	Were the expenditures made by a payment of money by the corporation to the ERI or by a prescribed payment?	**215**	1 Yes	X	2 No
5.	Were the expenditures incurred in respect of SR&ED carried on in Ontario by the ERI?	**220**	1 Yes	X	2 No
6.	Are the expenditures identified in subparagraph 37(1)(a)(i), (i.1) or (ii) of the federal *Income Tax Act* and would they also qualify as qualified expenditures, as defined in subsection 127(9) of the federal Act, other than prescribed types of expenditures and certain salaries or wages?	**225**	1 Yes	X	2 No
7.	Were the expenditures incurred by the corporation for purposes of SR&ED related to the business carried on in Canada by the corporation?	**230**	1 Yes	X	2 No

If you answered **no** to question 4, 5, 6, or 7, the expenditures are **not eligible** expenditures for the purposes of an OBRITC.

Part 3 – Qualified expenditures for this contract for the tax year

Qualified expenditures incurred in the tax year **300** 16,000

If the corporation answered **yes** at line 135 in Part 1, and **no** at line 140 in Part 1, determine the partnerships' share of qualified expenditures available to claim in the tax year:

Line 300 16,000 x percentage on line 150 in Part 1 % = A

Number of days in this tax year that the corporation was **not** connected to the ERI identified on line 110 in Part 1 **305** 366

Qualified expenditures for this contract for the tax year:

$$\frac{\text{(Line 300 or amount A, whichever applies) x line 305}}{\text{number of days in the tax year}} \quad \frac{5{,}856{,}000}{366} =$$

310 16,000 B

Enter amount B on line 405 of **Schedule 568**, *Ontario Business-Research Institute Tax Credit*.

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