Date:	15-Feb-19
Project #	13511

SUMMARY OF CONTRIBUTION CALCULATIONS
Transformation Pool - 2nd true-up

Facility Name: Bronte TS
Description: Option 2 (2 Feeders) Station - DRAFT 10-year True-Up for DISCUSSION ONLY No CDM NO Palermo
Customer: Burlington Hydro

	Month Year	In-Service Date Apr-25 2008	<------- Apr-25 2009	Apr-25 2010	Apr-25 2011	Apr-25 2012	Apr-25 2013 (1st true-up)	Apr-25 2014	Apr-25 2015	Apr-25 2016	Apr-25 2017	Apr-25 2018 (2nd true-up)	Apr-25 2019	Apr-25 2020	Apr-25 2021	Apr-25 2022	Apr-25 2023 (3rd true-up)	Apr-25 2024	Apr-25 2025	Apr-25 2026	Apr-25 2027	Apr-25 2028	Apr-25 2029	Apr-25 2030	Apr-25 2031	Apr-25 2032	Apr-25 2033
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Revenue & Expense Forecast																											
Load Forecast (MW)			15.0	9.8	15.0	15.0	15.0	11.7	9.0	6.6	7.2	4.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Load adjustments (MW)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			15.0	9.8	15.0	15.0	15.0	11.7	9.0	6.6	7.2	4.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tariff Applied ($/kW/Month)			1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Incremental Revenue - $k			270.0	176.6	270.0	270.0	270.0	211.0	162.4	119.0	129.7	84.6	58.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Removal Costs - $k		0.0																									
On-going OM&A Costs - $k		0.0	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)	(14.9)
Ontario Capital Tax and Municipal Tax - $K			(19.6)	(19.4)	(19.3)	(19.1)	(18.9)	(18.8)	(18.6)	(18.5)	(18.4)	(18.2)	(18.1)	(18.0)	(17.9)	(17.8)	(17.7)	(17.6)	(17.5)	(17.4)	(17.3)	(17.2)	(17.1)	(17.1)	(17.0)	(16.9)	(16.9)
Net Revenue/(Costs) before taxes - $k		0.0	235.5	142.3	235.8	236.0	236.2	177.3	128.8	85.6	96.5	51.4	25.6	(32.9)	(32.8)	(32.7)	(32.6)	(32.5)	(32.4)	(32.3)	(32.2)	(32.1)	(32.0)	(32.0)	(31.9)	(31.8)	(31.8)
Income Taxes - $k		0.0	(73.8)	(31.1)	(64.6)	(65.4)	(66.1)	(46.2)	(29.8)	(15.3)	(19.7)	(4.5)	4.0	24.0	23.4	22.9	22.4	21.9	21.5	21.0	20.6	20.2	19.8	19.5	19.1	18.8	18.4
Operating Cash Flow (after taxes) - $k		0.0	161.7	111.2	171.3	170.6	170.1	131.1	99.0	70.3	76.8	46.9	29.6	(9.0)	(9.4)	(9.8)	(10.2)	(10.6)	(10.9)	(11.3)	(11.6)	(11.9)	(12.2)	(12.5)	(12.8)	(13.1)	(13.3)
	Cumulative PV @ 5.93%																										
PV Operating Cash Flow (after taxes) - $k (A)	**921.5**	**0.0**	**157.1**	**102.0**	**148.3**	**139.5**	**131.2**	**95.5**	**68.1**	**45.6**	**47.0**	**27.1**	**16.2**	**(4.6)**	**(4.6)**	**(4.5)**	**(4.4)**	**(4.3)**	**(4.2)**	**(4.1)**	**(4.0)**	**(3.9)**	**(3.8)**	**(3.6)**	**(3.5)**	**(3.4)**	**(3.2)**
Capital Expenditures - $k																											
Capital cost before overheads & AFUDC - $k		(1,263.3)																									
- Overheads - $k		(176.5)																									
- AFUDC - $k		(51.4)																									
Total upfront capital expenditures - $k		**(1,491.2)**																									
On-going capital expenditures - $k			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV On-going capital expenditures - $k		0.0																									
Total capital expenditures - $k		**(1,491.2)**																									
PV Proceeds on disposal of assets - $k		**0.0**																									
PV CCA Residual Tax Shield - $k		**18.3**																									
PV Working Capital - $k		**(0.3)**																									
PV Capital (after taxes) - $k (B)	**(1,473.2)**	**(1,473.2)**																									
Cumulative PV Cash Flow (after taxes) - $k (A) + (B)	**(551.7)**	**(1,473.2)**	**(1,316.1)**	**(1,214.1)**	**(1,065.8)**	**(926.3)**	**(795.1)**	**(699.6)**	**(631.5)**	**(585.9)**	**(538.8)**	**(511.7)**	**(495.5)**	**(500.2)**	**(504.7)**	**(509.2)**	**(513.6)**	**(518.0)**	**(522.2)**	**(526.3)**	**(530.3)**	**(534.1)**	**(537.9)**	**(541.5)**	**(545.0)**	**(548.4)**	**(551.7)**

Discounted Cash Flow Summary

Economic Study Horizon - Years: **25**

Discount Rate - % **5.93%**

		Before Cont $k		After Cont $k	Impact $k
PV Incremental Revenue		1,590.2		1,590.2	
PV OM&A Costs		(197.4)		(197.4)	
PV Ontario Capital Tax and Municipal Tax		(243.0)		(162.8)	80.3
PV Income Taxes		(419.7)		(441.7)	(21.9)
PV CCA Tax Shield		209.8		123.8	(86.0)
PV Capital - Upfront	(1,491.2)		(1,491.2)		
Add: PV **Capital Contribution**	**0.0**	(1,491.2)	**579.3**	(911.8)	579.3
PV Capital - On-going		0.0		0.0	
PV Proceeds on disposal of assets		0.0		0.0	
PV Working Capital		(0.3)		(0.3)	
PV Surplus / (Shortfall)		**(551.7)**		**(0.0)**	**551.7**
Profitability Index*		**0.6**		**1.0**	

Notes:
*PV of total cash flow, excluding net capital expenditure & on-going capital & proceeds on disposal / PV of net capital expenditure & on-going capital & proceeds on disposal

Capital Contributions

	Date	PV of Cont $k	Previous Cont Payments $k	Current Cont / (Credit) $k
Initial economic evaluation	2008	0.0	0.0	
1st true-up	2013	0.0	0.0	
2nd true-up	2018	579.3	0.0	1,030.6
Total		**579.3**	**0.0**	**1,030.6**
Contribution Required (before HST)				**1,030.6**

Notes:
1) Payment from customer must include HST/GST.

Other Assumptions

		Notes:
In-Service Date:	25-Apr-08	
Municipal Tax	1.02%	Transmission system average
Federal Income Tax	21.00%	Federal corporate income tax
Ontario Corporation Income Tax	14.00%	Provincial corporate income tax
Working cash net lag days	11.38	As per Lead Lag study
CCA Rate for Class 1 Assets	4%	100% Class 1 assets

Calculation Time Stamp: 15-Feb-19, 3:38 PM