Date:	15-Feb-19
Project #	

SUMMARY OF CONTRIBUTION CALCULATIONS
Transformation Pool - 1st true-up

Facility Name: Burlingto Tremaine Line
Description: DRAFT TO FACILITATE DISCUSSION ONLY
Customer:

		In-Service Date	<------- Project year ended - annualized from In-Service Date ------->																							
Month		Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17	Dec-17
Year		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
							1st true-up					2nd true-up					3rd true-up										
		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)			10.1	18.1	21.7	28.5	28.2	39.3	46.7	48.9	51.0	53.2	55.5	57.7	60.0	62.3	64.6	66.9	69.3	72.2	75.3	79.1	83.6	88.2	92.9	97.6	98.1
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
			10.1	18.1	21.7	28.5	28.2	39.3	46.7	48.9	51.0	53.2	55.5	57.7	60.0	62.3	64.6	66.9	69.3	72.2	75.3	79.1	83.6	88.2	92.9	97.6	98.1
Tariff Applied ($/kW/Month)			1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77
Incremental Revenue - $k			214.2	384.1	460.8	605.4	599.1	835.6	991.8	1,037.6	1,083.9	1,130.6	1,177.8	1,225.5	1,273.7	1,322.3	1,371.4	1,421.0	1,471.2	1,534.4	1,598.5	1,679.8	1,776.4	1,874.2	1,973.2	2,073.4	2,084.2
Removal Costs - $k		0.0																									
On-going OM&A Costs - $k		0.0	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)	(132.0)
Ontario Capital Tax and Municipal Tax - $K			(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)	(90.7)
Net Revenue/(Costs) before taxes - $k		0.0	(8.5)	161.4	238.1	382.7	376.4	612.8	769.1	814.9	861.2	907.9	955.1	1,002.8	1,050.9	1,099.6	1,148.7	1,198.3	1,248.4	1,311.7	1,375.8	1,457.1	1,553.7	1,651.4	1,750.4	1,850.7	1,861.4
Income Taxes - $k		0.0	169.9	275.9	228.5	164.0	144.0	57.2	(5.4)	(35.3)	(63.9)	(91.5)	(118.0)	(143.6)	(168.4)	(192.4)	(215.8)	(238.5)	(260.6)	(285.9)	(310.7)	(340.0)	(373.0)	(405.9)	(438.7)	(471.5)	(478.6)
Operating Cash Flow (after taxes) - $k		0.0	161.3	437.3	466.6	546.7	520.4	670.0	763.7	779.6	797.2	816.4	837.1	859.2	882.5	907.2	932.9	959.8	987.8	1,025.8	1,065.0	1,117.1	1,180.7	1,245.6	1,311.7	1,379.2	1,382.8
	Cumulative PV @ 6.17%																										
PV Operating Cash Flow (after taxes) - $k (A)	**9,827.5**	**0.0**	**156.6**	**399.8**	**401.8**	**443.4**	**397.6**	**482.1**	**517.6**	**497.7**	**479.4**	**462.4**	**446.6**	**431.8**	**417.7**	**404.5**	**391.8**	**379.7**	**368.0**	**360.0**	**352.1**	**347.8**	**346.3**	**344.1**	**341.3**	**338.0**	**319.2**
Capital Expenditures - $k																											
Capital cost before overheads & AFUDC - $k		(13,400.0)																									
- Overheads - $k		(1,983.2)																									
- AFUDC - $k		(373.5)																									
Total upfront capital expenditures - $k		**(15,756.7)**																									
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		**(15,756.7)**																									
Capital Contributions - $k																											
Previous capital contribution/(credit)		0.0	0.0	0.0	0.0	0.0																					
Current capital contribution/(credit)							0.0																				
PV of annual capital contribution		0.0	0.0	0.0	0.0	0.0	0.0																				
Total PV		**0.0**																									
PV Proceeds on disposal of assets - $k		**0.0**																									
PV CCA Residual Tax Shield - $k		**68.7**																									
PV Working Capital - $k		**(3.8)**																									
PV Capital (after taxes) - $k (B)	**(15,691.7)**	**(15,691.7)**																									
Cumulative PV Cash Flow (after taxes) - $k (A) + (B)	**(5,864.3)**	**(15,691.7)**	**(15,535.1)**	**(15,135.4)**	**(14,733.6)**	**(14,290.2)**	**(13,892.6)**	**(13,410.5)**	**(12,892.9)**	**(12,395.1)**	**(11,915.7)**	**(11,453.3)**	**(11,006.7)**	**(10,574.9)**	**(10,157.2)**	**(9,752.7)**	**(9,360.9)**	**(8,981.2)**	**(8,613.2)**	**(8,253.2)**	**(7,901.1)**	**(7,553.3)**	**(7,207.0)**	**(6,862.9)**	**(6,521.5)**	**(6,183.5)**	**(5,864.3)**

Discounted Cash Flow Summary

Economic Study Horizon - Years: 25

Discount Rate - % 6.17%

		Before Cont $k		After Cont $k	Impact $k
PV Incremental Revenue		13,387.1		13,387.1	
PV OM&A Costs		(1,711.7)		(1,711.7)	
PV Ontario Capital Tax and Municipal Tax		(1,176.3)		(691.5)	484.8
PV Income Taxes		(2,966.0)		(3,102.9)	(136.9)
PV CCA Tax Shield		2,363.1		1,327.5	(1,035.6)
PV Capital - Upfront	(15,756.7)		(15,756.7)		
Add: PV **Capital Contribution**	**0.0**	(15,756.7)	**6,552.0**	(9,204.6)	6,552.0
PV Capital - On-going		0.0		0.0	
PV Proceeds on disposal of assets		0.0		0.0	
PV Working Capital		(3.8)		(3.8)	
PV Surplus / (Shortfall)		**(5,864.3)**		**0.0**	**5,864.3**
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	2012	3,796.1	3,796.1	
1st true-up	2017	2,756.0		3,717.1
Total		**6,552.0**	**3,796.1**	**3,717.1**
Contribution Required (before HST)				**3,717.1**

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

Other Assumptions		**Notes:**
In-Service Date:	17-Dec-12	
Municipal Tax	0.58%	Transmission system average
Federal Income Tax	16.50%	Federal corporate income tax
Ontario Corporation Income Tax	11.75%	Provincial corporate income tax
Working cash net lag days	14.67	As per Lead Lag study
CCA Rate for Class 47 Assets	8%	100% Class 47 assets except for Land

Calculation Time Stamp: 15-Feb-19, 3:52 PM