

Undertaking No. JT1.1

To provide tab I7.1 of 2006 Cost Allocation Informational filing. P. 19

Response:

Two cost allocation model runs, resulting from EB-2006-0247, were provided in Enersource's 2008 cost of service proceeding. Attachment 1 is Tab I7.1 of Run 1 of the CA Model. Attachment 2 is Tab I7.1 of Run 2.

See also Exhibit 7 Tab 1 Schedule 1.

2006 Cost Allocation Information Filing

Enersource Hydro Mississauga

EB-2005-0360 EB-2006-0247

January 15, 2007

Sheet I7.1 Meter Capital Worksheet - First Run

	Residential			Small Commercial			GS < 50kW			GS 50 - 499kW		
	1	2	3	1	2	3	1	2	3	1	2	3
	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs
Allocation Percentage Weighted Factor			33.40%			0%			32%			30%
Cost Relative to Residential Average Cost			1.00			1.46			9.27			35.96
Total	154805	8253960	53.31843287	226	17625	77.98672566	15848	7835165	494.3945608	3906	7489810	1917.514081
Meter Types	Cost per Meter (Installed)											
Single Phase 200 Amp - Urban	50	152,586	7629300	195	9750		1482	74100			0	
Single Phase 200 Amp - Rural	150		0		0			0			0	
Central Meter	250		0		0			0			0	
Network Meter (Costs to be updated)	225	1,854	417150	19	4275		169	38025			0	
Three-phase - No demand	210	21	4410	10	2100		9844	2067240		1	210	
Smart Meters	300		0		0			0			0	
Demand without IT (usually three-phase)	500	1	500	1	500		1,875	937500		594	297000	
Demand with IT	2,100		0		0		1,904	3998400		1727	3626700	
Demand with IT and Interval Capability - Secondary or Primary	2,300		0		0		137	315100		1531	3521300	
Demand with IT and Interval Capability - Primary	10,000		0		0			0			0	
Demand with IT and Interval Capability - Special (WMP)	40,000		0		0			0			0	
LDC Specific - single Phase w/IT	400	234	93600		0		143	57200		18	7200	
- 3 Phase w/IT No Demand	1200		0		0		42	50400			0	
- Single phase w/Dem, w/IT	1000	109	109000	1	1000		139	139000		29	29000	
- 3 Phase noIT w/Dem+Mass Memory	1400		0		0		113	158200		6	8400	

GS 500 - 4999kW			Large User > 5MW			Street Light			TOTAL		
1	2	3	1	2	3	1	2	3	1	2	3
Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs
		4%			0%			0%			100%
		43.14			43.14			-			2.64
463	1064900	2300	22	50600	2300	0	0	-	175270	24712060	140.9942375
	0			0			0	154,263		7713150	
	0			0			0	0		0	
	0			0			0	0		0	
	0			0			0	2,042		459450	
	0			0			0	9,876		2073960	
	0			0			0	0		0	
	0			0			0	2,471		1235500	
	0			0			0	3,631		7625100	
463	1064900		22	50600			0	2,153		4951900	
	0			0			0	0		0	
	0			0			0	0		0	
	0			0			0	395		158000	
	0			0			0	42		50400	
	0			0			0	278		278000	
	0		0	0			0	119		166600	

2006 COST ALLOCATION FILING
Enersource Hydro Mississauga
EB-2005-0360 EB2006-0247
January 15, 2007
Sheet 17.1 Meter Capital Worksheet - Second Run

#

		Residential			Small Commercial			GS < 50kW			GS 50 - 499kW			GS 500 - 4999kW			L
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1
		Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters
Allocation Percentage	Weighted Factor			33.40%			0%			32%			30%			4%	
Cost Relative to Residential Average Cost				1.00			-			9.16			35.96			43.14	
Total		154805	8253960	53.31843287	0	0	-	16074	7852790	488.5398781	3906	7489810	1917.514081	461	1060300	2300	22
Meter Types																	
Cost per Meter (Installed)																	
Single Phase 200 Amp - Urban	50	152,586	7629300			0		1677	83850			0			0		
Single Phase 200 Amp - Rural	150		0			0			0			0			0		
Central Meter	250		0			0			0			0			0		
Network Meter (Costs to be updated)	225	1,854	417150			0			188	42300			0		0		
Three-phase - No demand	210	21	4410			0			9854	2069340		1	210		0		
Smart Meters	300		0			0			0				0		0		
Demand without IT (usually three-phase)	500		0			0			1,876	938000		594	297000		0		
Demand with IT	2,100		0			0			1,904	3998400		1727	3626700		0		
Demand with IT and Interval Capability - Secondary or Primary	2,300		0			0			137	315100		1531	3521300		461	1060300	22
Demand with IT and Interval Capability - Primary	10,000		0			0				0			0		0		
Demand with IT and Interval Capability - Special (WMP)	40,000		0			0				0			0		0		
LDC Specific - single Phase w/IT	400	234	93600			0			143	57200		18	7200		0		
- 3 Phase w/IT No Demand	1200		0			0			42	50400			0		0		
- Single phase w/Dem, w/IT	1000	109	109000			0			140	140000		29	29000		0		
- 3 Phase noIT w/Dem+Mass Memory	1400		0			0			113	158200		6	8400		0		0

Large User > 5MW		Street Light			Unmetered Scattered load			Back-up / Standby Power			TOTAL		
2	3	1	2	3	1	2	3	1	2	3	1	2	3
Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs (2)	Number of Meters	Weighted Metering Costs	Weighted Average Costs (2)	Number of Meters	Weighted Metering Costs	Weighted Average Costs (2)	Number of Meters	Weighted Metering Costs	Weighted Average Costs (2)
	0%			0%			0%			0%			100%
	43.14			-			-			43.14			2.64
50600	2300	0	0	-	0	0	-	2	4600	2300	175270	24712060	140.9942375
0			0			0			0	154.263		7713150	
0			0			0			0	0		0	
0			0			0			0	0		0	
0			0			0			0	2.042		459450	
0			0			0			0	9.876		2073960	
0			0			0			0	0		0	
0			0			0			0	2.471		1235500	
0			0			0			0	3.631		7625100	
50600			0			0		2	4600	2.153		4951900	
0			0			0			0	0		0	
0			0			0			0	0		0	
0			0			0			0	395		158000	
0			0			0			0	42		50400	
0			0			0			0	278		278000	
0			0			0			0	119		166600	

Undertaking No. JT1.2

To determine, if the response to the previous undertaking is that there is data in previous cost allocation studies that go to demonstrate the difference between the meter classes costs, would Enersource use that data in order to recalculate the rider, the stranded meter rider, and if not then provide a reason why that would not be a good methodology to use. P. 23

Response:

Enersource's proposal to allocate the stranded meter disposition rate rider to the applicable customer classes based on the number of smart meters installed is consistent with the allocation methodology approved by the Board in Guelph Hydro Electric System Inc.'s 2012 cost of service application (EB-2011-0123).

Based on the information provided in JT 1.1 and assuming Run 2 is used as the basis of the allocation, the stranded meter rate rider would be as follows:

Table 1: Stranded Meter Disposition Rate Rider Based on Cost Allocation Model Run 2

	Residential	GS < 50 kW	GS > 50 kW	Total
Smart Meters Forecasted Installed at May 1, 2012	167,525	17,627	1,410	186,562
Tab I7.1 Meter Weighting (2006 CA Model Tab I7.1 Run 2)	1	9.16	35.96	
Calculation	167,525	161,463	50,704	379,692
Weighting	44.1%	42.5%	13.4%	100.0%
Stranded Meters Balance to be Recovered (\$000s)	\$ 3,369	\$ 3,247	\$ 1,024	\$ 7,640
Number of Customers - 2013 Forecast	176,865	17,703	3,950	198,518
Rate Rider (\$ per Customer/month)	\$ 1.59	\$ 15.28	\$ 21.60	

Undertaking No. JT1.3

For the period until the end of the test period, to provide the cost in meters in rate base for converted buildings, and range of costs in gs under 50 and gs over. P. 30

Response:

As a point of clarification, the question posed was interpreted as asking the total number of "IMS Buildings" completed. The response of 33 buildings was incorrect. The response for "Retrofit Buildings" completed to date should have been four.

All four buildings were GS>50 kW. There have been no GS<50kW buildings converted to date.

Each meter cost, inclusive of the installation cost, would total approximately \$1,000. The meters were originally installed between 1982 and 1990. Allowing for depreciation over a 25 year lifespan, the remaining book value at the end of each reporting period from 2011 to 2014 is illustrated below:

(Numbers not in thousands)

	Installation Date	Cost	Useful Life	NBV 2011	NBV 2012	NBV 2013	NBV 2014
Building 1	1982	\$ 1,000	25	\$ -	\$ -	\$ -	\$ -
Building 2	1989	\$ 1,000	25	\$ 120	\$ 80	\$ 40	\$ -
Building 3	1989	\$ 1,000	25	\$ 120	\$ 80	\$ 40	\$ -
Building 4	1990	\$ 1,000	25	\$ 160	\$ 120	\$ 80	\$ 40
Total				\$ 400	\$ 280	\$ 160	\$ 40

The forecasted numbers for 2013 and 2014 of one retrofit building in each year was correct, as was the estimate of 250 units per building in those same years.

Undertaking No. JT1.4

To add the data concerning 2014. P. 36

Response:

Appendix 2-A pursuant to the June 28, 2012 OEB Filing Requirements was provided in the response to Board Staff Issue General IR #5. This has been amended to include 2014 projects and is provided as an Attachment to this Undertaking.

Appendix 2-A Capital Projects Table

Projects	2007	2008	2009	2010	2011	2012 Bridge Year	2013 Test Year	2014 ICR Year
Reporting Basis	CGAAP	CGAAP	CGAAP	CGAAP	CGAAP	MIFRS	MIFRS	MIFRS
Subtransmission and Distribution								
Derry Road	397,805	332,299	216,748	3,368	300,457	-	-	-
Chinook MS	557,054	408,957	162,423	-	-	-	-	-
Hurontario, Qew - Park St Rebuild	857,163	211,375	5,435	-	-	-	-	-
Ninth Line	976,849	405,822	117	-	-	-	-	-
Britannia Road	1,529,489	872,813	633	-	-	-	-	-
13.8 KV CCTS - Torbram Road	-	-	-	739,297	-	-	-	-
Jaguar Valley Rebuild	-	7,510	458,100	368,507	-	-	-	-
Dixie Road	-	4,425	17,718	31,687	810,341	-	-	-
Hwy10, Queensway - North Service 27.6/16Kv	-	1,047	6,877	20,842	182,409	456,440	-	-
McLaughlin Road	-	113,391	506,752	106,708	-	-	-	-
McNiece Feeder Relocation	-	-	-	2,526	668,120	356,440	-	-
Churchill Meadows	-	659	4,717,498	361,510	828,028	-	2,891,100	-
York M.S. 44Kv CCT Ex. Poles	-	-	138,516	133,153	328	-	566,000	-
CN Reconfiguration	-	-	-	9,949	600,973	623,770	-	-
Peel Condo Corp #415, 170, 110	-	-	-	3,457	718,469	-	-	-
Dundas Street	-	-	-	-	142,252	980,210	891,100	-
Burnhamthorpe Road West – WCB to Ridgeway Dr	-	-	-	-	-	-	668,325	-
Derry Rd – Hydro ROW to Hurontario St	-	-	-	-	-	-	-	891,100
Lakeshore Rd – Hurontario St to Kane Rd	-	-	-	-	-	-	-	801,990
Miscellaneous Projects <\$645,000	1,039,705	2,226,180	2,059,493	1,734,104	982,138	1,593,090	815,205	2,851,520
Sub-Total	5,358,066	4,584,477	8,290,310	3,515,108	5,233,515	4,009,949	5,831,729	4,544,609
Municipal Substation Construction & Upgrades								
Century M.S. Rebuild	1,690,747	14,027	939,378	-	-	-	-	-
Clarkson M.S. Rebuild	650,205	309,380	117,329	5,891	-	-	-	-
Winston M.S. Rebuild	190,040	857,166	2,694,963	102,598	1,968	-	-	-
Grossbeak M.S. Rebuild	175,659	10,696	1,078,434	51,294	-	-	-	-
Confederation M.S. Rebuild	19,647	1,131,480	96,167	-	-	-	-	-
Rexdale M.S. Rebuild	865	905	337	1,048,431	34,761	-	-	-
Bexhill M.S. Rebuild	-	1,030,080	121,811	-	-	-	-	-
Mini Derry M.S. Rebuild	-	314,753	279,209	262,422	-	-	-	-
Mineola M.S. Rebuild	-	2,960	4,978	1,531,185	54,518	-	-	-
Birchview M.S. Rebuild	-	264	835,659	60,065	-	-	-	-
Orchard Heights M.S. Rebuild	-	-	174,432	957,024	-	-	-	-
Sheridan Park Rebuild	-	-	5,769	484,466	928,842	-	-	-
Erin Mills T.C. M.S. Rebuild	-	-	4,854	15,811	936,024	-	-	-
Melton M.S. Rebuild	-	-	-	3,487	703,533	-	-	-
Bromsgrove M.S. Rebuild	-	-	-	2,010	1,077,735	-	-	-
Erin Mills Ms 13.8Kv Substation	-	-	-	-	-	4,049,133	-	-
Parkwest M.S. 27.6/4.16Kv Upgrades	-	-	-	-	-	-	1,156,895	-
Revus M.S. 27.6/4.16Kv Upgrades	-	-	-	-	-	-	964,079	-
Rubin M.S. Upgrade	-	-	-	-	-	-	1,156,895	2,217,382
Park Royal Municipal Substation 27.6/4.16KV Upgrades	-	-	-	-	-	-	-	1,349,711
Miscellaneous Projects <\$645,000	1,234,789	2,042,498	1,147,051	2,167,426	2,069,367	1,253,303	2,024,566	2,217,382
Sub-Total	3,961,953	5,714,209	7,500,371	6,692,107	5,806,748	5,302,436	5,302,436	5,784,476
Subdivision Rebuilds								
Rathburn Rd East - Garnetwood Rebuild	1,631,024	24,127	-	-	-	-	-	-
Ponytrail Rebuild	977,192	218,127	-	-	-	-	-	-
Meadows Blvd 61F1 Feeder Rebuild	790,233	132	-	-	-	-	-	-
Burnhamdale Rebuild	678,937	481	-	-	-	-	-	-
Winwood Dr Rebuild	13,873	1,282,742	-	-	-	-	-	-
Rymal Road Rebuild	12,628	3,214,964	305,775	855	-	-	-	-
City Centre Dr Phase 1 Rebuild	9,477	21,369	1,622,359	(243,304)	-	-	-	-
Pheasant Run Rebuild	5,708	1,212,815	136,958	-	-	-	-	-
Lorne Park Road Rebuild	-	801,794	336,071	134	-	-	-	-
Inverhouse Drive Rebuild	-	17,028	855,869	92,684	-	-	-	-
Delkus Crescent Rebuild	-	4,965	1,373,346	328,252	-	-	-	-
Dundix Rebuild	-	1,611	391,144	406,302	20,558	-	-	-
Falconer Phase 1 Rebuild	-	1,562	1,223,846	125,791	-	-	-	-

Tree Top Rebuild	-	-	1,394,323	(17,735)	-	-	-	-
Windwood/ Glen Erin Drive Rebuild	-	-	11,445	1,317,477	-	-	-	-
Parmeere Dr Rebuild	-	-	7,196	1,422,904	1,159	-	-	-
Mainroyal Street Rebuild	-	-	5,939	1,013,728	920	-	-	-
Montevideo Rd/Neuchâtel Rebuild	-	-	2,655	669,930	482,471	-	-	-
Montevideo Los Palma Rebuild	-	-	1,454	11,139	1,051,121	600,000	-	-
Chantenay/Baynham Rebuild	-	-	1,200	791,191	-	-	-	-
City Centre Dr Phase 2 Rebuild	-	-	679	1,233,528	(190,000)	-	-	-
Glen Erin Inlake Rebuild	-	-	-	12,003	668,097	-	-	-
Goldmar Dr. Phase 1 Rebuild	-	-	-	5,705	927,822	-	-	-
Goldmar Dr. Phase 2 Rebuild	-	-	-	-	8,932	1,482,175	-	-
South Millway & Council Ring Rebuild	-	-	-	3,305	908,434	-	-	-
Glen Erin Montevideo Rebuild	-	-	-	-	1,135,677	-	-	-
Windwood Glace Bay Rebuild	-	-	-	-	848,450	-	-	-
Glen Erin Gananoque Rebuild	-	-	-	-	3,714	1,009,622	-	-
Robert Speck Pkwy Rebuild	-	-	-	-	28,966	1,032,935	-	-
Campobello & Falconer Dr Rebuild	-	-	-	-	3,433	931,000	-	-
Sherobee/Hurontario Apartments Rebuild	-	-	-	-	10,717	700,000	800,000	-
Loyalist Dr Rebuild	-	-	-	-	2,612	1,100,000	-	-
Paisley Blvd West-Whaley Dr. Rebuild	-	-	-	-	-	-	1,079,000	-
Aquitane/ Montevideo Rebuild	-	-	-	-	-	-	1,176,000	-
City Centre Dr Phase 3 Rebuild	-	-	-	-	-	-	1,000,000	-
Ellengale Dr Rebuild	-	-	-	-	-	-	1,000,000	-
Cullen Avenue Rebuild	-	-	-	-	-	-	1,000,000	-
Farm Cottage Rebuild	-	-	-	-	-	-	1,000,000	-
Remea Court Rebuild								932,000
Forestwood and Lindenle Rebuild								1,373,000
Copenhagen and Fayet Circle Rebuild								883,000
Lara Woods Rebuild								1,569,000
Windjammer Road Rebuild								1,177,000
Tea Garden Circle Rebuild								981,000
Constable Road Rebuild								1,177,000
Miscellaneous Projects <\$645,000	1,853,061	867,489	683,644	175,522	499,262	500,640	791,797	735,647
Sub-Total	5,972,134	7,669,205	8,353,903	7,349,411	6,412,344	7,356,372	7,846,797	8,827,647
Overhead Distribution Sustainment								
Overhead Rebuilds	2,062,763	2,735,421	3,744,139	2,814,263	1,093,945	1,349,618	1,529,568	1,709,517
Overhead Switch Replacement	339,485	168,575	318,744	250,552	194,513	359,898	359,898	359,898
Wood & Concrete Pole Replacement Program	929,662	626,736	641,041	734,347	684,031	539,847	837,663	988,820
Sub-Total	3,331,910	3,530,731	4,703,924	3,799,162	1,972,488	2,249,364	2,727,129	3,058,235
Underground Distribution Sustainment								
Pad Mounted Switchgear Replacement	417,932	419,027	617,706	433,570	750,443	1,106,900	1,199,141	1,291,383
Distribution Equipment Replacement	963,051	1,280,229	870,850	428,000	721,084	461,208	461,208	461,208
Underground Cable & Splice Replacement	801,709	552,883	911,786	1,164,840	1,009,749	922,416	1,245,262	1,383,624
Secondary Cable Replacements	97,350	68,334	41,153	106,174	50,014	92,242	92,242	92,242
Sub-Total	2,280,041	2,320,474	2,441,494	2,132,585	2,531,291	2,582,766	2,997,853	3,228,457
Transformer Replacement								
Pad Mounted Transformer Replacement	500,962	641,826	2,114,076	1,135,901	623,338	547,779	639,076	730,372
Pole Mounted Transformer Replacement	184,987	190,570	350,222	239,074	407,893	365,186	365,186	365,186
Sub-Total	685,949	832,396	2,464,299	1,374,975	1,031,231	912,965	1,004,262	1,095,558
Automated Switches / SCADA Program								
Remotely Controlled Switches	882,575	877,542	684,011	1,172,098	1,034,106	829,089	1,013,331	1,197,573
RTU's, Protection & Control Relays and Battery charger re	304,037	560,067	643,717	487,675	548,617	552,726	736,968	921,210
Sub-Total	1,186,612	1,437,609	1,327,728	1,659,774	1,582,722	1,381,815	1,750,299	2,118,783
Industrial and Commercial Services								
Miscellaneous Projects <\$645,000	5,146,180	2,181,766	2,472,256	260,000	1,575,671	1,326,185	960,412	960,412
Sub-Total	5,146,180	2,181,766	2,472,256	260,000	1,575,671	1,326,185	960,412	960,412
New Subdivisions								
Miscellaneous Projects <\$645,000	202,501	1,781,473	818,131	8,000,834	2,392,239	1,842,618	1,647,208	1,647,208
Sub-Total	202,501	1,781,473	818,131	8,000,834	2,392,239	1,842,618	1,647,208	1,647,208
Road Projects								
BRT	-	-	103,129	1,285,550	763,771	648,311	-	-
MTO - QEW / Hurontario intersection	722,368	67,317	4,753	7,156	-	-	-	-
Miscellaneous Projects	353,006	715,454	948,371	1,019,167	544,550	527,831	1,087,334	998,527
Sub-Total	1,075,374	782,770	1,056,254	2,311,873	1,308,321	1,176,141	1,087,334	998,527
Metering Equipment								
Installation of metering equipment	(273,542)	461,602	407,965	356,085	728,842	952,194	694,929	759,912
Sub-Total	(273,542)	461,602	407,965	356,085	728,842	952,194	694,929	759,912
Smart Metering in New Condos								
Miscellaneous Projects - Individually metered condominium	-	1,680,213	608,221	969,768	734,761	976,779	951,875	1,382,617

Sub-Total	-	1,680,213	608,221	969,768	734,761	976,779	951,875	1,382,617
Conservation & Demand Response								
Miscellaneous Projects <\$645,000	395,940	(21,773)	43,136	-	-	-	-	-
Sub-Total	395,940	(21,773)	43,136	-	-	-	-	-
Wholesale Metering								
Wholesale Metering Upgrade Projects	509,102	74,525	974,279	517,746	700,355	2,779,128	-	-
Sub-Total	509,102	74,525	974,279	517,746	700,355	2,779,128	-	-
Smart Metering								
Smart Metering Deployment Program	7,760,457	6,103,826	8,392,459	8,183,947	3,158,914	1,488,078	-	-
Sub-Total	7,760,457	6,103,826	8,392,459	8,183,947	3,158,914	1,488,078	-	-
Green Energy – FIT/MicroFIT								
Miscellaneous Projects	-	-	-	61,033	240,406	133,464	182,816	219,379
Sub-Total	-	-	-	61,033	240,406	133,464	182,816	219,379
Engineering & Asset Systems								
IOM Related Investments	386,928	1,160,921	373,345	238,524	274,278	753,645	257,575	524,690
Miscellaneous Projects <\$645,000	1,472,865	425,758	315,343	110,422	748,140	391,132	663,017	386,363
Sub-Total	1,859,793	1,586,678	688,688	348,946	1,022,418	1,144,778	920,592	911,052
Rolling Stock								
Annual Fleet Renewal Program	1,786,052	1,542,099	1,992,817	1,452,897	1,899,710	1,834,000	1,975,000	1,975,000
Sub-Total	1,786,052	1,542,099	1,992,817	1,452,897	1,899,710	1,834,000	1,975,000	1,975,000
Information Technology								
Various projects hardware/software and upgrade requirements	461,441	951,836	1,123,005	2,703,086	1,219,180	1,406,034	885,801	698,330
Sub-Total	461,441	951,836	1,123,005	2,703,086	1,219,180	1,406,034	885,801	698,330
JDE/ERP System								
JDE Upgrade	-	-	-	-	2,033,044	-	-	-
Budgeting and Planning software	-	-	-	-	-	281,207	421,810	-
JDE – AM/FM Asset Management Application Integration,	-	-	-	-	-	271,833	749,885	562,413
Miscellaneous Projects <\$645,000	-	-	-	-	88,458	796,752	374,942	609,281
Sub-Total	-	-	-	-	2,121,503	1,349,792	1,546,637	1,171,695
Meter to Cash (CC&B)								
CCB Initial Implementation	3,275,639	6,000,676	2,894,425	-	-	-	-	-
Various projects and upgrade requirements	-	-	-	79,380	948,355	1,134,201	726,451	1,312,298
Sub-Total	3,275,639	6,000,676	2,894,425	79,380	948,355	1,134,201	726,451	1,312,298
Grounds & Buildings								
Renovations to The Operations Centre	-	-	-	-	-	-	3,961,701	990,425
Miscellaneous Facilities/Building Improvement Projects	1,032,827	1,282,243	1,537,485	905,215	1,819,969	2,476,063	2,971,276	3,466,489
Sub-Total	1,032,827	1,282,243	1,537,485	905,215	1,819,969	2,476,063	6,932,977	4,456,914
Acquisition of Administration Building								
Purchase of Land	-	-	-	-	-	5,000,000	-	-
Purchase of Building	-	-	-	-	-	10,025,000	-	-
Building Condition - Roff, parking lot etc	-	-	-	-	-	1,488,500	-	-
Interior Fit Out of the building	-	-	-	-	-	3,438,627	-	-
Sub-Total	-	-	-	-	-	19,952,127	-	-
Major Tools								
Purchase of Major Tools	171,836	239,949	219,315	40,433	243,086	175,000	200,000	200,000
Sub-Total	171,836	239,949	219,315	40,433	243,086	175,000	200,000	200,000
Miscellaneous								
Total	46,180,264	50,736,985	58,310,464	52,714,363	44,684,069	63,942,249	46,172,538	45,351,110

Notes:

- Please provide a breakdown of the major components of each capital project. Please ensure that all projects below the materiality threshold are included in the miscellaneous line. Add more projects as required.
- Amounts should be reported on a MIFRS basis for the adoption year and any subsequent years, only.

Undertaking No. JT1.5

To provide actual cost for preventative tree trimming 2007-2011, and forecast cost for 2012. P.61

Response:

Please see the table below (\$000s).

Year	2007	2008	2009	2010	2011	2012
Preventative Tree Trimming Costs	538	546	509	521	585	610

Undertaking No. JT1.6

To correct response to Issue 1.4, Energy Probe IR No. 1 to reflect cost of substations inspecting, testing, and maintenance. P. 61

Response:

Question:

- a) How much of the OM&A expenses forecast for 2013 are specifically related to improving the SAIDI and SAIFI results? Please provide a list of expenditures in the test year that are related to improving these results.

Corrected Response:

- a) The majority of the OM&A funding is allocated for repairs and reactive maintenance of the system. Some preventative maintenance programs are described in the AMP at Exhibit 2 Tab 2 Schedule 2 Appendix 1 section 10.4. The total funding for these programs is \$1,700 and is comprised of the following:
- Preventative tree trimming - \$650
 - Dry Ice cleaning - \$96
 - Insulator washing - \$65
 - Infrared Survey - \$25
 - Substation inspections, testing and maintenance - \$750
 - Transformer Inspections - \$111

Undertaking No. JT1.7

To provide capital expenditures by business unit for major projects, 2009-2012.
P. 71

Response:

The budgeted capital expenditures for each of 2009 through 2012 are provided as four separate Attachments to this Undertaking.

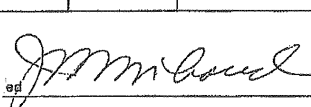
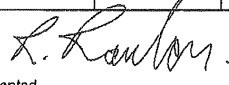
Note that the actual capital expenditures by projects for 2007-2011 are presented in Appendix 2-A pursuant to the June 28, 2012 OEB Filing Requirements as provided in the response to Board Staff Issue General IR #5. See also response to JT1.4.

ENERGY SOURCE HYDRO MISSISSAUGA
2009 BUDGET
3-YEAR CAPITAL EXPENDITURE FORECAST
\$000'S



CATEGORY	2007 Actual	2008 Budget	2008 Forecast	2009 Budget	2010 Forecast	2011 Forecast
System Capacity - Growth Driven Investment:						
Subtransmission/Distribution Construction	5,358	5,850	4,100	6,000	6,100	6,150
Substation Construction	3,962	3,425	4,200	4,800	4,850	4,900
Total Growth Driven Investment	9,320	9,275	8,300	10,800	10,950	11,050
System Maintenance - Reliability Driven Investment:						
Subdivision Rebuilds	5,972	6,100	7,100	6,500	6,700	6,800
O / H Distribution Upgrades	3,332	2,600	2,900	2,600	2,625	2,650
U / G Distribution Maintenance	2,280	2,200	2,300	2,350	2,400	2,450
Transformer Replacement	686	650	700	750	760	770
Protection and Control Upgrades (SCADA)	1,187	1,400	1,200	1,100	1,110	1,120
Total Reliability Driven Investment	13,457	12,950	14,200	13,300	13,595	13,790
Total System Expansion Investment	22,777	22,225	22,500	24,100	24,545	24,840
System Expansion & Upgrades - Customer Driven Investment:						
New Industrial/Commercial Customer Services	5,897	4,200	4,100	4,200	4,300	4,400
New Subdivisions	916	2,575	1,000	1,500	1,525	1,550
Road Projects	1,446	750	3,000	1,000	1,100	1,200
Metering Equipment	(274)	889	889	440	448	453
Total Customer Driven Investment	7,983	8,414	8,989	7,140	7,373	7,603
Non-System Requirements - Regulatory Driven Investment:						
Conservation & Demand (3rd Tranche)	396	-	-	-	-	-
Wholesale Metering	510	145	145	3,003	1,338	145
Smart Metering	7,374	12,031	7,032	8,073	8,546	2,500
Smart Metering (New Condos)	-	975	1,438	1,801	1,117	1,128
Total Regulatory Driven Investment	8,280	13,150	8,615	12,877	11,001	3,773
Non-System Requirements - Internally Driven Investment:						
Customer Care and Billing	3,276	6,836	5,153	2,275	-	-
Rolling Stock	1,786	1,858	1,400	1,743	1,750	1,768
Major Tools	172	150	220	175	180	185
Information Technology	461	720	800	994	1,000	1,000
Engineering and Asset Systems	1,860	1,545	1,500	1,825	1,335	1,348
Grounds and Buildings (Capital Maintenance)	1,033	2,150	2,150	2,180	2,200	2,200
Grounds and Buildings (Land)	-	2,500	-	2,500	-	-
Information Systems and Facilities Total	8,588	15,759	11,223	11,692	6,465	6,501
TOTAL CAPITAL EXPENDITURES	47,628	59,548	51,327	55,809	49,384	42,717

C-7.3

ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL																												
PROJECT: SUBSTATION CONSTRUCTION				PROJECT NUMBER: C0504																								
LOCATION: VARIOUS				FUNDS PROVIDED BY: BOARD		\$4,800,000																						
TYPE: SUBSTATION				OTHERS																								
DATE PREPARED: 08/29/08				TOTAL ESTIMATED COSTS		<u>\$ 4,800,000</u>																						
SCOPE OF WORK:																												
2009																												
1	Winston MS at WCB/ Hwy 401	\$1,500,000																										
2	Century T2	\$600,000																										
3	Grossbeak T2	\$400,000																										
4	Mini Derry T2	\$150,000																										
5	Orchard Heights MS upgrade	\$1,000,000																										
6	Dixie MS upgrade	\$650,000																										
7	Spare offload tx	\$400,000																										
8	Substation Site Enhancements	\$100,000																										
<div style="text-align: center;">Estimated Annual Expenditure</div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th colspan="5" style="text-align: center; padding: 5px;">2009</th> <th rowspan="2" style="padding: 5px;">2010</th> <th rowspan="2" style="padding: 5px;">2011</th> <th rowspan="2" style="padding: 5px;">Future</th> </tr> <tr> <th style="padding: 5px;">Q1</th> <th style="padding: 5px;">Q2</th> <th style="padding: 5px;">Q3</th> <th style="padding: 5px;">Q4</th> <th style="padding: 5px;">Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">\$500,000</td> <td style="text-align: center; padding: 5px;">\$1,500,000</td> <td style="text-align: center; padding: 5px;">\$1,875,000</td> <td style="text-align: center; padding: 5px;">\$ 1,125,000</td> <td style="text-align: center; padding: 5px;">\$4,800,000</td> <td style="text-align: center; padding: 5px;">\$ -</td> <td style="text-align: center; padding: 5px;">\$ -</td> <td style="padding: 5px;"></td> </tr> </tbody> </table> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;">  Accepted </div> <div style="text-align: center;">  Approved </div> </div>								2009					2010	2011	Future	Q1	Q2	Q3	Q4	Total	\$500,000	\$1,500,000	\$1,875,000	\$ 1,125,000	\$4,800,000	\$ -	\$ -	
2009					2010	2011	Future																					
Q1	Q2	Q3	Q4	Total																								
\$500,000	\$1,500,000	\$1,875,000	\$ 1,125,000	\$4,800,000	\$ -	\$ -																						

**ENERSOURCE HYDRO MISSISSAUGA
2009 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: SUBDIVISION REBUILDS	PROJECT NUMBER: C0505
LOCATION: VARIOUS	FUNDS PROVIDED BY: BOARD \$6,500,000
TYPE: UNDERGROUND	OTHERS
DATE PREPARED: 08/29/08	TOTAL ESTIMATED COSTS <u>\$6,500,000</u>

SCOPE OF WORK:

This proposal is for the underground cable system rebuilds. The projects include the replacement of all primary cables. In addition in some areas the installation also includes replacement of secondary cables, transformers and meterbases.

The areas being considered:

1	City Center Drive	\$1,500,000
2	Inverhouse	\$1,300,000
3	Rymal Road Phase Two	\$1,000,000
4	Ponytrail Phase Two	\$1,000,000
5	Falconer Drive Phase One	\$1,000,000
6	Delkus Rd area	\$700,000

Estimated Annual Expenditure

2009					2010	2011	Future
Q1	Q2	Q3	Q4	Total			
\$100,000	\$1,300,000	\$2,350,000	\$2,750,000	\$6,500,000			

ed

A. Cheema

Accepted

R. Karim

Approved

[Signature]

ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL																																				
PROJECT: SUBTRANSMISSION/ DISTRIBUTION CONSTR.				PROJECT NUMBER:		C0507																														
LOCATION: VARIOUS				FUNDS PROVIDED BY:																																
TYPE: OVERHEAD				BOARD		\$6,000,000																														
DATE PREPARED: 08/29/08				OTHERS																																
TOTAL ESTIMATED COSTS						\$6,000,000																														
SCOPE OF WORK:																																				
1	44kV - Dundas St - Cawthra Rd to Hurontario St					\$1,400,000																														
2	44kV - Hurontario St - Burnhamthorpe to Dundas St					\$400,000																														
3	44kV - Dundas St - Hurontario St to Stillmeadow Rd					\$500,000																														
4	44kV - Dixie Rd - Derry Rd to Britannia Rd					\$1,000,000																														
5	44kV - Churchill Meadows TS Egress Feeders - WCB & Ninth Line to New TS					\$1,500,000																														
6	16/ 27.6kV - Lakeshore Rd - Cawthra Rd to Seneca, then N. to Queen St.					\$1,200,000																														
<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th colspan="8" style="text-align: center; padding: 5px;">Estimated Annual Expenditure</th> </tr> <tr> <th colspan="5" style="text-align: center; padding: 5px;">2009</th> <th rowspan="2" style="padding: 5px;">2010</th> <th rowspan="2" style="padding: 5px;">2011</th> <th rowspan="2" style="padding: 5px;">Future</th> </tr> <tr> <th style="padding: 5px;">Q1</th> <th style="padding: 5px;">Q2</th> <th style="padding: 5px;">Q3</th> <th style="padding: 5px;">Q4</th> <th style="padding: 5px;">Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">\$ 1,500,000</td> <td style="text-align: center; padding: 5px;">\$1,475,000</td> <td style="text-align: center; padding: 5px;">\$ 1,475,000</td> <td style="text-align: center; padding: 5px;">\$1,550,000</td> <td style="text-align: center; padding: 5px;">\$6,000,000</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> </tbody> </table>								Estimated Annual Expenditure								2009					2010	2011	Future	Q1	Q2	Q3	Q4	Total	\$ 1,500,000	\$1,475,000	\$ 1,475,000	\$1,550,000	\$6,000,000			
Estimated Annual Expenditure																																				
2009					2010	2011	Future																													
Q1	Q2	Q3	Q4	Total																																
\$ 1,500,000	\$1,475,000	\$ 1,475,000	\$1,550,000	\$6,000,000																																
 Accepted				 Approved																																

**ENERSOURCE HYDRO MISSISSAUGA
2009 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: ROAD PROJECTS	PROJECT NUMBER: C0531
LOCATION: VARIOUS	FUNDS PROVIDED BY:
	BOARD \$750,000
TYPE: OVERHEAD & UNDERGROUND	OTHERS \$250,000
DATE PREPARED: 08/29/08	TOTAL ESTIMATED COSTS <u>\$1,000,000</u>

SCOPE OF WORK:

This proposal provides for the relocation of Enersource Hydro Mississauga plant to allow for road construction by the City of Mississauga, the Region of Peel and the Ministry of Transportation.

Road Projects \$ 1,000,000

Estimated Annual Expenditure

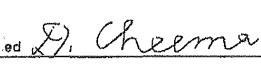
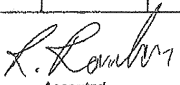
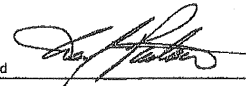
2009					2010	2011	Future
Q1	Q2	Q3	Q4	Total			
\$100,000	\$150,000	\$150,000	\$600,000	\$1,000,000			

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Accepted

Approved

ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL																															
PROJECT: NEW SUBDIVISIONS				PROJECT NUMBER: C0541																											
LOCATION: VARIOUS				FUNDS PROVIDED BY:																											
TYPE: OVERHEAD & UNDERGROUND				BOARD		\$1,500,000																									
DATE PREPARED: 08/29/08				OTHERS																											
TOTAL ESTIMATED COSTS						\$1,500,000																									
<p>SCOPE OF WORK:</p> <p>This proposal provides Capital Contribution Refunds (Under Section 3 of the Distribution System Code) to the developers and Enersource Hydro Mississauga's contribution for installation of services for subdivisions including single lots and apartment buildings.</p> <p>Approximate number of Residential Services installed :</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Year</th> <th style="text-align: left;">Number of Customers</th> </tr> </thead> <tbody> <tr> <td>2006</td> <td>3,447</td> </tr> <tr> <td>2007</td> <td>2,300</td> </tr> <tr> <td>2008</td> <td>3,500</td> </tr> <tr> <td>2009</td> <td>3,500</td> </tr> </tbody> </table> <p>The large number of services is due to the fact that EHM is making Offer to Connects to the developers to have all the units in condos/ apartments to be individually metered.</p>								Year	Number of Customers	2006	3,447	2007	2,300	2008	3,500	2009	3,500														
Year	Number of Customers																														
2006	3,447																														
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2008	3,500																														
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2009																															
Q1	Q2	Q3	Q4	Total	2010	2011	Future																								
\$300,000	\$300,000	\$700,000	\$200,000	\$1,500,000																											
Prepared <i>D. Cheema</i>				Accepted <i>L. Lombardi</i>		Approved <i>[Signature]</i>																									

ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL							
PROJECT: NEW INDUSTRIAL/ COMMERCIAL SERVICES				PROJECT NUMBER:		C0542	
LOCATION: VARIOUS				FUNDS PROVIDED BY:			
TYPE: OVERHEAD & UNDERGROUND				BOARD		\$2,520,000	
DATE PREPARED: 08/29/08				OTHERS		\$1,680,000	
TOTAL ESTIMATED COSTS						\$4,200,000	
SCOPE OF WORK:							
This proposal provides for the installation of new and upgrade services for Industrial/ Commercial customers.							
Approximate number of Industrial/ Commercial Services installed :							
Year				Number of Customers			
2006				500			
2007				525			
2008				500			
2009				500			
Estimated Annual Expenditure							
2009					2010	2011	Future
Q1	Q2	Q3	Q4	Total			
\$750,000	\$1,000,000	\$1,000,000	\$1,450,000	\$4,200,000			
 							
Accepted					Approved		

ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL																							
PROJECT: O/H DISTRIBUTION UPGRADES				PROJECT NUMBER: C0561																			
LOCATION: VARIOUS				FUNDS PROVIDED BY: BOARD		\$ 2,600,000																	
TYPE: OVERHEAD				OTHERS																			
DATE PREPARED: 08/29/08				TOTAL ESTIMATED COSTS		<u>\$2,600,000</u>																	
<p>SCOPE OF WORK:</p> <p>During system maintenance or as a follow-up to trouble calls, a number of overhead system components are beyond repair and require replacement. In addition some feeders require overhauls or have to be rebuilt.</p> <p>This proposal covers the following items:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 5%;">1</td> <td style="width: 55%;">Wood & Concrete Pole Replacement</td> <td style="width: 10%;">\$</td> <td style="width: 30%;">825,000</td> </tr> <tr> <td>2</td> <td>Overhead Switch and Insulator Replacement</td> <td>\$</td> <td>465,000</td> </tr> <tr> <td>3</td> <td>Feeder Overhaul</td> <td>\$</td> <td>385,000</td> </tr> <tr> <td>4</td> <td>Overhead Rebuild</td> <td>\$</td> <td>925,000</td> </tr> </table>								1	Wood & Concrete Pole Replacement	\$	825,000	2	Overhead Switch and Insulator Replacement	\$	465,000	3	Feeder Overhaul	\$	385,000	4	Overhead Rebuild	\$	925,000
1	Wood & Concrete Pole Replacement	\$	825,000																				
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4	Overhead Rebuild	\$	925,000																				
Estimated Annual Expenditure																							
2009																							
Q1	Q2	Q3	Q4	Total	2010	2011	Future																
\$675,000	\$600,000	\$ 625,000	\$700,000	\$2,600,000																			
Accepted					Approved																		

**ENERSOURCE HYDRO MISSISSAUGA
2009 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: TRANSFORMER REPLACEMENT	PROJECT NUMBER: C0563
LOCATION: VARIOUS	FUNDS PROVIDED BY: BOARD \$ 750,000
TYPE: UNDERGROUND & OVERHEAD	OTHERS
DATE PREPARED: 08/29/08	TOTAL ESTIMATED COSTS <u>\$750,000</u>

SCOPE OF WORK:

During feeder inspections and maintenance programs a number of degenerated or overloaded transformers are identified and are needed to be replaced.

This proposal provides for the following:

1	Underground Transformer Replacement	\$ 450,000
2	Overhead Transformer Replacement	\$ 250,000
3	PCB Transformer Replacement	\$ 50,000


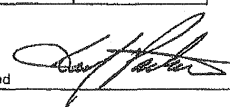
Estimated Annual Expenditure

2009					2010	2011	Future
Q1	Q2	Q3	Q4	Total			
\$150,000	\$200,000	\$ 200,000	\$200,000	\$750,000			

Prepared

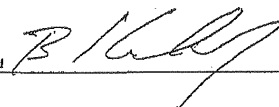
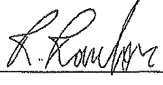
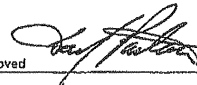
Accepted

Approved

ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL																			
PROJECT: U/G DISTRIBUTION MAINTENANCE				PROJECT NUMBER: C0565															
LOCATION: VARIOUS				FUNDS PROVIDED BY: BOARD		\$ 2,350,000													
TYPE: UNDERGROUND DISTRIBUTION MNTCE				OTHERS															
DATE PREPARED: 08/29/08				TOTAL ESTIMATED COSTS		<u>\$2,350,000</u>													
<p>SCOPE OF WORK:</p> <p>During system maintenance or as a follow-up to trouble calls, a number of underground system components are beyond repair and require replacement.</p> <p>This proposal covers the following items:</p> <table style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 5%;">1</td> <td style="width: 60%;">Primary Distribution Equipment Replacement</td> <td style="width: 10%;">\$</td> <td style="width: 25%; text-align: right;">850,000</td> </tr> <tr> <td>2</td> <td>Underground Cable and Splice Replacement</td> <td>\$</td> <td style="text-align: right;">1,400,000</td> </tr> <tr> <td>3</td> <td>Secondary Cable Replacements</td> <td>\$</td> <td style="text-align: right;">100,000</td> </tr> </table>								1	Primary Distribution Equipment Replacement	\$	850,000	2	Underground Cable and Splice Replacement	\$	1,400,000	3	Secondary Cable Replacements	\$	100,000
1	Primary Distribution Equipment Replacement	\$	850,000																
2	Underground Cable and Splice Replacement	\$	1,400,000																
3	Secondary Cable Replacements	\$	100,000																
Estimated Annual Expenditure																			
2009					2010	2011	Future												
Q1	Q2	Q3	Q4	Total															
\$300,000	\$675,000	\$ 600,000	\$775,000	\$2,350,000															
 Accepted					 Approved														

ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL													
PROJECT: PROTECTION & CONTROL UPGRADES (SCADA)				PROJECT NUMBER:		C0576							
LOCATION: VARIOUS				FUNDS PROVIDED BY:									
TYPE: OPERATIONS				BOARD		\$1,100,000							
DATE PREPARED: 08/29/08				OTHERS									
TOTAL ESTIMATED COSTS						\$1,100,000							
<p>SCOPE OF WORK:</p> <p>This project involves the installation of the following equipment to take maximum advantage of available savings to Enersource Hydro Mississauga and our customers.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">1</td> <td style="width: 75%;">Automation at various MS's</td> <td style="width: 20%; text-align: right;">\$550,000</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Automation at various feeders</td> <td style="text-align: right;">\$550,000</td> </tr> </table>								1	Automation at various MS's	\$550,000	2	Automation at various feeders	\$550,000
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2	Automation at various feeders	\$550,000											
Estimated Annual Expenditure													
2009													
Q1	Q2	Q3	Q4	Total	2010	2011	Future						
\$300,000	\$300,000	\$300,000	\$ 200,000	\$1,100,000									
Accepted					Approved								

ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL																												
PROJECT: ENGINEERING & ASSET SYSTEMS				PROJECT NUMBER: C0581																								
LOCATION: 3240 MAVIS ROAD				FUNDS PROVIDED BY: \$1,825,000																								
TYPE: COMPUTER HARDWARE AND SOFTWARE				BOARD																								
DATE PREPARED: 08/29/08				OTHERS																								
				TOTAL ESTIMATED COSTS <u>\$1,825,000</u>																								
<p>SCOPE OF WORK:</p> <p>The Engineering & Asset Systems department provides information technology tools to assist in managing plant and equipment. These tools include software and hardware for 165 people in Enersource Hydro Mississauga and Technologies, including internal personnel and outside crews.</p> <table style="width: 100%; margin-top: 20px;"> <tr> <td style="width: 80%;">Upgrade workstations, plotters and field computers.</td> <td style="width: 20%; text-align: right;">215,000.00</td> </tr> <tr> <td>Engineering Analysis Software</td> <td style="text-align: right;">115,000.00</td> </tr> <tr> <td>Integrated Operating Model (IOM) Phase II</td> <td style="text-align: right;">1,090,000.00</td> </tr> <tr> <td>IOM expansion to System Planning, Customer Engineering Operations, and Maintenance departments</td> <td style="text-align: right;">245,000.00</td> </tr> <tr> <td>Implement Mobile Tracking software</td> <td style="text-align: right;">70,000.00</td> </tr> <tr> <td>Implement Calculation and Trending Software</td> <td style="text-align: right;">90,000.00</td> </tr> </table> <p style="margin-top: 20px;">*Project continued from 2008</p> <table style="width: 100%; margin-top: 20px;"> <tr> <td style="width: 80%; text-align: right;">Total</td> <td style="width: 20%; text-align: right;">\$1,825,000</td> </tr> </table>								Upgrade workstations, plotters and field computers.	215,000.00	Engineering Analysis Software	115,000.00	Integrated Operating Model (IOM) Phase II	1,090,000.00	IOM expansion to System Planning, Customer Engineering Operations, and Maintenance departments	245,000.00	Implement Mobile Tracking software	70,000.00	Implement Calculation and Trending Software	90,000.00	Total	\$1,825,000							
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2009					2010	2011	Future																					
Q1	Q2	Q3	Q4	Total																								
\$627,500	\$627,500	\$327,500	\$242,500	\$1,825,000																								
Prepared <i>Amy Hume</i>				Accepted		Approved <i>[Signature]</i>																						

ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL								
PROJECT: ROLLING STOCK			PROJECT NUMBER:		C0584			
LOCATION: 3240 MAVIS RD.			FUNDS PROVIDED BY:		\$ 1,743,000			
TYPE: ROLLING STOCK			BOARD					
DATE PREPARED: 08/29/08			OTHERS					
TOTAL ESTIMATED COSTS					<u>\$1,743,000</u>			
SCOPE OF WORK:								
This proposal covers replacements to our rolling stock								
	Type	Unit #	Year	Replacement Cycle	Year to Replace	Cost (\$)		
1	Exec Car	02007	2006	3	2009	\$52,000		
2	Flat Bed Material Handler	10599	1999	10	2009	\$150,000		
3	Bucket Truck	20495	1995	12	2007	\$280,000		
4	Bucket Truck	20697	1997	10	2007	\$100,000		
5	Bucket Truck	20799	1999	10	2008	\$200,000		
6	Bucket Truck	20999	1999	10	2009	\$190,000		
7	Bucket Truck	21099	1999	10	2008	\$110,000		
8	Bucket Truck	22999	1999	10	2009	\$180,000		
9	Mini Van	50904	2004	5	2009	\$27,000		
10	Sport Utility Vehicle	51304	2004	6	2009	\$35,000		
11	Tandem Axle Cargo Trailer	91994	1994	15	2009	\$18,000		
12	Puller / Tensioner	95989	1989	20	2009	\$150,000		
13	Puller / Tensioner	96089	1989	20	2009	\$150,000		
14	Drum Chipper	97699	1999	10	2009	\$50,000		
15	Hydraulic Tools & Service Equip		annual	1	2009	\$50,000		
Estimated Annual Expenditure								
2009					2010	2011	Future	
Q1	Q2	Q3	Q4	Total				
\$150,000	\$300,000	\$350,000	\$943,000	\$1,743,000				
Prepared 					Accepted 		Approved 	

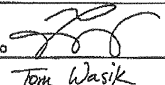
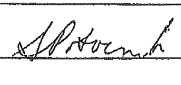
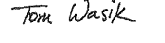
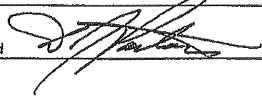
ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL							
PROJECT:	INFORMATION TECHNOLOGY	PROJECT NUMBER:	C0585				
LOCATION:	3240 MAVIS ROAD	FUNDS PROVIDED BY:	\$994,000				
TYPE:	IT	BOARD					
DATE PREPARED:	08/29/08	OTHERS					
			TOTAL ESTIMATED COSTS	\$994,000			
SCOPE OF WORK:							
Hardware Infrastructure Upgrades:							
Additional memory & system storage			\$100,000				
Upgrade user desktops			\$265,000				
Upgrade fax server			\$7,000				
Purchase 2 spare switches			\$10,000				
Expansion of the Versadial voice recording system			\$10,000				
Printer replacement in customer service			\$45,000				
Expansion of the Blade center and storage farm			\$120,000				
Expansion of the corporate tape backup system			\$50,000				
Purchase of additional storage for JDE			\$50,000				
Sub-total Hardware				657,000			
Software Requirements by Department:							
Finance			50,000.00				
Customer Service			115,000.00				
Human Resources			25,000.00				
Operations and Maintenance			60,000.00				
Information Technology			87,000.00				
				\$337,000			
Total				\$994,000			
Estimated Annual Expenditure							
2009					2010	2011	Future
Q1	Q2	Q3	Q4	Total			
\$200,000.00	\$320,000	\$270,000	\$204,000	\$994,000			
Prepared	Accepted		Approved				

ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL							
PROJECT:	GROUNDS & BUILDINGS	PROJECT NUMBER:	C0591				
LOCATION:	3240 MAVIS ROAD	FUNDS PROVIDED BY:	\$4,680,000				
TYPE:	GROUNDS & BUILDINGS	BOARD					
DATE PREPARED:	08/29/08	OTHERS					
			TOTAL ESTIMATED COSTS		\$4,680,000		
SCOPE OF WORK:							
						\$350,000.00	
HVAC Upgrades- Make up air unit replacement, split units, roof top units							
Health and Safety environment Issues						\$300,000.00	
Stavebank Disaster center- building upgrades						\$100,000.00	
Replace High Speed rolling doors in Garage						\$150,000.00	
Exterior Stucco refacing along Warehouse Garage						\$150,000.00	
Energy Efficiency Upgrades Program- continuation of 2008 program						\$100,000.00	
Interior Door Replacement						\$100,000.00	
Furniture Requirements						\$50,000.00	
Plumbing Upgrades-mens showers						\$50,000.00	
New South Gate Security Control Arm						\$75,000.00	
Paving of North Employee Lot						\$100,000.00	
Replace Garage Tube Heaters						\$200,000.00	
Security Camera Upgrades						\$50,000.00	
New thermal windows along warehouse and Garage walls						\$100,000.00	
Interior Doors Replacement- South Tower/North Tower						\$75,000.00	
Control Room Upgrades						\$100,000.00	
Building Exterior Lighting Upgrades						\$100,000.00	
Pole Yard Paving						\$30,000.00	
Peel Region - TransHelp property						\$2,500,000.00	
Total						\$4,680,000	
Estimated Annual Expenditure							
2009							
Q1	Q2	Q3	Q4	Total	2010	2011	Future
\$3,545,000	\$545,000	\$545,000	\$45,000	\$4,680,000			
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> Prepared <i>Michael R. Rabin</i> </div> <div style="width: 30%;"> Accepted </div> <div style="width: 30%;"> Approved <i>[Signature]</i> </div> </div>							

ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL																															
PROJECT: MAJOR TOOLS		PROJECT NUMBER:		C0595																											
LOCATION:		FUNDS PROVIDED BY:																													
TYPE: OVERHEAD & UNDERGROUND		BOARD		\$175,000																											
DATE PREPARED: 08/29/08		OTHERS																													
TOTAL ESTIMATED COSTS				\$175,000																											
<p><u>SCOPE OF WORK:</u></p> <p>This proposal covers the major tool requirements, some of these are listed below:</p> <ul style="list-style-type: none"> 1 Grounding Materials 2 Sensorlink Ampstick 3 Compression connector Presses 4 Phasing Sticks 5 Load Bust Tools 6 Spiking Tools 7 Small Generators 8 Heaters & Cutters 9 Welder 10 Brake Lathe 11 Infrared Gun 																															
Estimated Annual Expenditure																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5" style="text-align: center; padding: 5px;">2009</th> <th style="text-align: center; padding: 5px;">2010</th> <th style="text-align: center; padding: 5px;">2011</th> <th style="text-align: center; padding: 5px;">Future</th> </tr> <tr> <th style="text-align: center; padding: 5px;">Q1</th> <th style="text-align: center; padding: 5px;">Q2</th> <th style="text-align: center; padding: 5px;">Q3</th> <th style="text-align: center; padding: 5px;">Q4</th> <th style="text-align: center; padding: 5px;">Total</th> <th style="text-align: center; padding: 5px;"></th> <th style="text-align: center; padding: 5px;"></th> <th style="text-align: center; padding: 5px;"></th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">\$30,000</td> <td style="text-align: center; padding: 5px;">\$30,000</td> <td style="text-align: center; padding: 5px;">\$40,000</td> <td style="text-align: center; padding: 5px;">\$75,000</td> <td style="text-align: center; padding: 5px;">\$175,000</td> <td style="text-align: center; padding: 5px;"></td> <td style="text-align: center; padding: 5px;"></td> <td style="text-align: center; padding: 5px;"></td> </tr> </tbody> </table>								2009					2010	2011	Future	Q1	Q2	Q3	Q4	Total				\$30,000	\$30,000	\$40,000	\$75,000	\$175,000			
2009					2010	2011	Future																								
Q1	Q2	Q3	Q4	Total																											
\$30,000	\$30,000	\$40,000	\$75,000	\$175,000																											
Prepared				Accepted																											
Approved				Approved																											

ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL																																			
PROJECT: CIS	PROJECT NUMBER: C0596																																		
LOCATION: 3240 MAVIS ROAD	FUNDS PROVIDED BY: \$2,275,000																																		
TYPE: HARDWARE AND SOFTWARE	BOARD																																		
DATE PREPARED: 08/29/08	OTHERS																																		
TOTAL ESTIMATED COSTS <u>\$2,275,000</u>																																			
SCOPE OF WORK: Replacement of the ORCOM Customer billing system: EHM has been serving as project sponsor for the CIS project and is currently working with Toronto Hydro on the joint implementation of the SPL software expected to be commissioned in early 2009. Total expected project costs is estimated at \$10,836,000.																																			
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="5">Estimated Annual Expenditure</th> <th>2010</th> <th>2011</th> <th>Future</th> </tr> <tr> <th colspan="5">2009</th> <th></th> <th></th> <th></th> </tr> <tr> <th>Q1</th> <th>Q2</th> <th>Q3</th> <th>Q4</th> <th>Total</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>\$2,275,000</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$2,275,000</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Estimated Annual Expenditure					2010	2011	Future	2009								Q1	Q2	Q3	Q4	Total				\$2,275,000	\$0	\$0	\$0	\$2,275,000			
Estimated Annual Expenditure					2010	2011	Future																												
2009																																			
Q1	Q2	Q3	Q4	Total																															
\$2,275,000	\$0	\$0	\$0	\$2,275,000																															
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> Prepared </div> <div style="text-align: center;"> Accepted </div> <div style="text-align: center;"> Approved </div> </div>																																			

ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL							
PROJECT: WHOLESALE METER (Full Upgrades)				PROJECT NUMBER: C0597			
LOCATION: Hydro One Transmission Stations				FUNDS PROVIDED BY: BOARD			
TYPE: WHOLESALE METER UPGRADES				OTHERS			
DATE PREPARED: 08/29/08				TOTAL ESTIMATED COSTS <u>\$3,003,000</u>			
SCOPE OF WORK: The following proposal is for Wholesale Meter Installations Upgrades. Wholesale metering installations must conform to full IESO and Measurement Canada Standards. All new installation require separate Main and Alternate metering configuration.							
Cooksville T3				\$ 167,500			
Cooksville T4				\$ 167,500			
Cooksville T5				\$ 167,500			
Cooksville T6				\$ 167,500			
Erindale T1				\$ 228,500			
Erindale T2				\$ 228,500			
Erindale T3				\$ 228,500			
Erindale T4				\$ 228,500			
Erindale T5				\$ 228,500			
Erindale T6				\$ 228,500			
Oakville M45 PME				\$ 136,500			
Oakville M46 PME				\$ 136,500			
Oakville M47 PME				\$ 136,500			
Oakville M48 PME				\$ 136,500			
Richview M4 PME				\$ 136,500			
Richview M5 PME				\$ 136,500			
Winston Churchill / 403 New TS - Wholesale Metering				\$ 143,000			
				<u>\$ 3,003,000</u>			
Estimated Annual Expenditure							
2009							
Q1	Q2	Q3	Q4	Total	2010	2011	Future
\$750,750	\$750,750	\$750,750	\$750,750	\$3,003,000	\$1,338,000		
Prepared: Tom Wasik Accepted Approved							

ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL					
PROJECT: METERING EQUIPMENT		PROJECT NUMBER: C0598			
LOCATION: VARIOUS		FUNDS PROVIDED BY: COMMISSION			
TYPE: METERING EQUIPMENT		OTHERS			
DATE PREPARED: 8/29/08		TOTAL ESTIMATED COSTS		\$440,070	
SCOPE OF WORK:					
The 2009 forecast requires that Metering as listed below be purchased and installed from January to December 2009. These figures do not reflect the purchase of SMART METERS.					
Materials	Qty	Price/unit	Cost		
New Comm/Ind Metering (>200kW)	0	\$880	\$0		
New Comm/Ind Metering (< 200 kW)	0	\$558	\$0		
Reverification Meters	0	\$173	\$0		
Bar type Current Transformers	250	\$125	\$31,250		
Window type Current Transformers	60	\$497	\$29,820		
Potential Transformers	500	\$128	\$64,000		
Meter Parts, wire, test blocks, cellular modems, etc.			\$20,000		
Primary IT's			\$20,000		
Total Material Costs			\$165,070		
Capital Labour			\$275,000		
Total Capital Budget			\$440,070		
ESTIMATED ANNUAL EXPENDITURE					
2009					
Q1	Q2	Q3	Q4	Total	2010
\$110,018	\$110,018	\$110,018	\$110,016	\$440,070	\$440,070
Prepared: Dino Cecchetto 					Accepted 
					Approved 

**ENERSOURCE HYDRO MISSISSAUGA
2009 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT:	SMART METERING	APPROVAL NUMBER:	C0599
LOCATION:	VARIOUS	FUNDS PROVIDED BY:	
		COMMISSION	\$8,072,556
TYPE:	SMART METERING	OTHERS	
DATE PREPARED:	08/29/08	TOTAL ESTIMATED COSTS	<u>\$8,072,556</u>

SCOPE OF WORK:

Materials	Qty	Cost
Residential Smart Meters	30,000	\$2,230,450
GS<50 kW Smart Meters	6,200	\$2,158,922
Collector Smart Meters	129	\$186,339
Meter Rings & Seals		\$264,148
Material Burden		\$673,609
Installation Services		\$814,740
AMI Collector Computer Software		\$65,848
Mobile Workforce Management		\$175,000
MDM/R Interface and Smart Metering		\$503,500
Smart Meter Retrofits in Condominium Units	1,000	\$ 1,000,000
Total Capital Budget		<u>\$8,072,556</u>

ESTIMATED ANNUAL EXPENDITURE

2009					2010	2011
Q1	Q2	Q3	Q4	Total		
\$2,018,139	\$2,018,139	\$2,018,139	\$2,018,139	\$8,072,556		

Prepared: David Rankin

Tom Wark
Tom Wark

Accepted

Approved

ENERSOURCE HYDRO MISSISSAUGA 2009 CAPITAL BUDGET PROJECT PROPOSAL						
PROJECT:	SMART METERING IN NEW CONDOS	APPROVAL NUMBER:	C0899			
LOCATION:	VARIOUS	FUNDS PROVIDED BY:	COMMISSION			
			\$1,801,225			
TYPE:	SMART METERING IN NEW CONDOS	OTHERS				
DATE PREPARED:	08/29/08	TOTAL ESTIMATED COSTS	<u>\$1,801,225</u>			
SCOPE OF WORK: EHM will supply and install smart meters in new condominiums under development in Mississauga.						
Materials	Qty	Cost				
Smart Meters for New Condos	3,305	\$1,032,515				
Material Burden		\$154,877				
Installation		\$139,868				
Electrician Services (Install Infrastructure)		<u>\$ 473,965</u>				
Total Capital Budget		<u>\$1,801,225</u>				
ESTIMATED ANNUAL EXPENDITURE						
2009						
Q1	Q2	Q3	Q4	Total	2010	2011
\$450,306	\$450,306	\$450,306	\$450,306	\$1,801,225	\$1,116,705	
Prepared: Tom Wasil Accepted: Approved:						

ENERSOURCE HYDRO MISSISSAUGA

2010 BUDGET

THREE YEAR CAPITAL AND INTANGIBLE EXPENDITURE FORECAST

\$000's



CATEGORY	2008 Actual	2009 Budget	2009 Forecast	2010 Budget	2011 Forecast	2012 Forecast
System Capacity - Growth Driven Investment:						
Subtransmission/Distribution Construction	4,584	6,000	3,500	3,500	4,500	6,500
Substation Construction	5,714	4,800	7,200	5,950	6,128	6,312
Total Growth Driven Investment	10,298	10,800	10,700	9,450	10,628	12,812
System Maintenance - Reliability Driven Investment:						
Subdivision Rebuilds	7,669	6,500	7,100	7,000	7,210	7,426
O / H Distribution Upgrades	3,531	2,600	4,700	3,200	3,296	3,395
U / G Distribution Maintenance	2,320	2,350	1,700	2,300	2,369	2,440
Transformer Replacement	832	750	2,200	800	824	849
Protection and Control Upgrades (SCADA)	1,438	1,100	1,200	2,000	2,060	2,122
Total Reliability Driven Investment	15,790	13,300	16,900	15,300	15,759	16,232
Total System Expansion Investment	26,088	24,100	27,600	24,750	26,387	29,044
System Expansion & Upgrades - Customer Driven Investment:						
New Industrial/Commercial Customer Services	4,729	4,200	4,000	4,000	4,120	4,244
New Subdivisions	1,361	1,500	1,200	500	515	530
Road Projects	3,171	1,000	2,400	3,000	3,500	1,500
Metering Equipment	462	440	440	462	1,072	1,072
Total Customer Driven Investment	9,723	7,140	8,040	7,962	9,207	7,346
Non-System Requirements - Regulatory Driven Investment:						
Conservation & Demand (3rd Tranche)	(22)	-	39	-	-	-
Wholesale Metering	75	3,003	1,419	2,697	2,451	503
Smart Metering	6,104	8,073	8,345	11,134	2,300	1,500
Smart Metering (New Condos)	1,680	1,801	1,268	1,231	630	597
Total Regulatory Driven Investment	7,837	12,877	11,071	15,062	5,381	2,600
Non-System Requirements - Internally Driven Investment:						
Customer Care and Billing	6,001	2,275	3,161	-	-	-
Rolling Stock	1,542	1,743	2,100	1,500	1,545	1,591
Major Tools	240	175	175	175	180	186
Information Technology	952	994	1,150	2,040	3,700	1,000
Engineering and Asset Systems	1,587	1,825	552	1,265	752	820
Grounds and Buildings (Capital Maintenance)	1,282	4,680	1,450	1,850	1,854	1,985
Grounds and Buildings (Land)	-	-	-	-	2,500	-
Information Systems and Facilities Total	11,604	11,692	8,588	6,830	10,531	5,582
TOTAL CAPITAL AND INTANGIBLE EXPENDITURES	55,252	55,809	55,299	54,604	51,506	44,572

C-7.3

**ENERSOURCE HYDRO MISSISSAUGA
2010 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT:	SUBTRANSMISSION/ DISTRIBUTION	PROJECT NUMBER:	C0507
LOCATION:	VARIOUS	FUNDS PROVIDED BY:	
TYPE:	OVERHEAD	BOARD	\$3,500,000
DATE PREPARED:	Oct 29/09	OTHERS	
		TOTAL ESTIMATED COSTS	<u>\$3,500,000</u>

SCOPE OF WORK:

1	44/ 13.8/ 4.16kV - Dundas St - Cawthra Rd to Jaguar Valley	\$1,000,000
2	44kV - Churchill Meadows TS Egress Feeders - WCB & Ninth Line to New TS	\$1,000,000
3	44/13.8/ 4.16kV - Dundas St - Hurontario St to Stillmeadow Rd	\$800,000
4	44/ 27.6/ 13.8kV - Dixie Rd - Derry Rd to Britannia Rd	\$700,000

Total Capital Budget	<u>\$3,500,000</u>
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Estimated Annual Expenditure

2010					2011	2012
Q1	Q2	Q3	Q4	Total		
\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$500,000	\$ 3,500,000	\$ 4,500,000	\$ 6,500,000

Prepared

Bob Koskocky

Accepted

Approved

**ENERSOURCE HYDRO MISSISSAUGA
 2010 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: SUBSTATION CONSTRUCTION		PROJECT NUMBER:	C0504
LOCATION: VARIOUS		FUNDS PROVIDED BY:	
		BOARD	\$ 5,950,000
TYPE: SUBSTATION		OTHERS	
DATE PREPARED:	Oct 29/09	TOTAL ESTIMATED COSTS	<u>\$ 5,950,000</u>

SCOPE OF WORK:

2010

1	Rubin MS upgrades	\$	200,000
2	Bromsgrove MS upgrades	\$	700,000
3	Mineola MS upgrades	\$	950,000
4	Orchard Heights MS upgrades	\$	750,000
5	Sheridan Park MS upgrades	\$	950,000
6	Mini-Derry MS upgrades	\$	100,000
7	Chalkdene MS upgrades	\$	500,000
8	Rexdale MS upgrades	\$	400,000
9	Spare 20 MVA offload tx	\$	600,000
10	Substation Site Enhancements	\$	200,000
11	5 MVA Tx Replacement	\$	600,000

Estimated Annual Expenditure

2010					2011	2012	Future
Q1	Q2	Q3	Q4	Total			
\$500,000	\$1,500,000	\$1,675,000	\$ 2,275,000	\$5,950,000	\$6,128,500	\$ 6,312,355	

Prepared JP Michaud

Accepted

Approved

HM-880 (Sep/95)

**ENERSOURCE HYDRO MISSISSAUGA
 2010 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: SUBDIVISION REBUILDS	PROJECT NUMBER:	C0505
LOCATION: VARIOUS	FUNDS PROVIDED BY:	
TYPE: UNDERGROUND	BOARD	\$7,000,000
DATE PREPARED: Oct 29/09	OTHERS	
	TOTAL ESTIMATED COSTS	<u><u>\$7,000,000</u></u>

SCOPE OF WORK:

This proposal is for the underground cable system rebuilds. The projects include the replacement of all primary cables. In addition in some areas the installation also includes replacement of secondary cables, transformers and meterbases.

The areas being considered:

1	Havenwood	\$1,000,000
2	Meadowvale Phase 1	\$1,500,000
3	Queensway/ Mavis	\$1,000,000
4	Rockwood Phase One	\$1,000,000
5	Falconer Drive Phase Two	\$1,000,000
6	Folkway area	\$1,500,000

Total Capital Budget	<u><u>\$7,000,000</u></u>
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Estimated Annual Expenditure

2010					2011	2012
Q1	Q2	Q3	Q4	Total		
\$100,000	\$1,300,000	\$2,350,000	\$3,250,000	\$7,000,000	\$ 7,210,000	\$ 7,426,300

Prepared

Dal Cheema

Accepted

Approved

**ENERSOURCE HYDRO MISSISSAUGA
2010 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: O/H DISTRIBUTION UPGRADES	PROJECT NUMBER:	C0561
LOCATION: VARIOUS	FUNDS PROVIDED BY:	
TYPE: OVERHEAD	BOARD	\$ 3,200,000
DATE PREPARED: Oct 29/09	OTHERS	
	TOTAL ESTIMATED COSTS	<u>\$3,200,000</u>

SCOPE OF WORK:

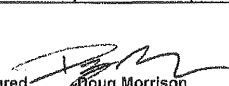
During system maintenance or as a follow-up to trouble calls, a number of overhead system components are beyond repair and require replacement. In addition some feeders require overhauls or have to be rebuilt.

This proposal covers the following items:

1	Wood & Concrete Pole Replacement	\$ 600,000
2	Overhead Switch and Insulator Replacement	\$ 500,000
3	Feeder Overhauls	\$ 400,000
4	Overhead Rebuilds	\$ 1,700,000
	Total Capital Budget	<u>\$ 3,200,000</u>

Estimated Annual Expenditure

2010					2011	2012
Q1	Q2	Q3	Q4	Total		
\$675,000	\$600,000	\$ 625,000	\$1,300,000	\$3,200,000	\$ 3,296,000	\$ 3,394,880

Prepared  Doug Morrison

Accepted 

Approved 

**ENERSOURCE HYDRO MISSISSAUGA
2010 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: U/G DISTRIBUTION MAINTENANCE	PROJECT NUMBER: C0565
LOCATION: VARIOUS	FUNDS PROVIDED BY:
	BOARD \$ 2,300,000
TYPE: UNDERGROUND DISTRIBUTION MNTCE	OTHERS
DATE PREPARED: Oct 29/09	TOTAL ESTIMATED COSTS <u>\$2,300,000</u>

SCOPE OF WORK:

During system maintenance or as a follow-up to trouble calls, a number of underground system components are beyond repair and require replacement.


This proposal covers the following items:

1	Primary Distribution Equipment Replacement	\$ 1,000,000
2	Underground Cable and Splice Replacement	\$ 1,200,000
3	Secondary Cable Replacements	\$ 100,000
	Total Capital Budget	<u>\$ 2,300,000</u>

Estimated Annual Expenditure

2010					2011	2012
Q1	Q2	Q3	Q4	Total		
\$300,000	\$675,000	\$ 600,000	\$725,000	\$2,300,000	\$ 2,369,000	\$ 2,440,070

Prepared


Doug Morrison

Accepted



Approved



**ENERSOURCE HYDRO MISSISSAUGA
 2010 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: TRANSFORMER REPLACEMENT	PROJECT NUMBER:	C0563
LOCATION: VARIOUS	FUNDS PROVIDED BY:	
TYPE: UNDERGROUND & OVERHEAD	BOARD	\$ 800,000
DATE PREPARED: Oct 29/09	OTHERS	
TOTAL ESTIMATED COSTS		<u><u>\$800,000</u></u>

SCOPE OF WORK:

During feeder inspections and maintenance programs a number of degenerated or overloaded transformers are identified and are needed to be replaced.

This proposal provides for the following:

1	Underground Transformer Replacement	\$ 400,000
2	Overhead Transformer Replacement	\$ 350,000
3	PCB Transformer Replacement	\$ 50,000
	Total Capital Budget	<u><u>\$ 800,000</u></u>

Estimated Annual Expenditure

2010					2011	2012
Q1	Q2	Q3	Q4	Total		
\$150,000	\$200,000	\$ 200,000	\$250,000	\$800,000	\$ 824,000	\$ 848,720

Prepared  Doug Morrison

Accepted 

Approved 

**ENERSOURCE HYDRO MISSISSAUGA
2010 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: PROTECTION & CONTROL UPGRADES (SCADA)		PROJECT NUMBER:	C0576
LOCATION: VARIOUS		FUNDS PROVIDED BY:	
		BOARD	\$2,000,000
TYPE: OPERATIONS		OTHERS	
DATE PREPARED:	Oct 29/09	TOTAL ESTIMATED COSTS	<u>\$2,000,000</u>

SCOPE OF WORK:

This project involves the installation of automation components to replace end of life assets, installation of new technologies to expedite restoration of outages to our customers, substation security and upgrades to our SCADA Master.

1	Replacement of aging load centres with automated load centers	\$600,000
2	Intelliteam deployment project - Woodlands MS	\$350,000
3	Purchase and installation of aging pole top RTU's	\$250,000
4	Purchase and installation of aging substation RTU's	\$300,000
5	Municipal Substation relay replacement including ZIV's	\$250,000
6	Municipal Substation Arc protection project	\$100,000
7	Substation security enhancements	\$50,000
8	SCADA Master upgrades	\$100,000

Estimated Annual Expenditure

2010					2011	2012	Future
Q1	Q2	Q3	Q4	Total			
\$400,000	\$400,000	\$400,000	\$ 800,000	\$2,000,000	\$ 2,060,000	\$ 2,121,800	

Prepared JP Michaud

Accepted

Approved

**ENERSOURCE HYDRO MISSISSAUGA
2010 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: INDUSTRIAL/ COMMERCIAL SERVICES	PROJECT NUMBER: C0542
LOCATION: VARIOUS	FUNDS PROVIDED BY:
	BOARD \$2,400,000
TYPE: OVERHEAD & UNDERGROUND	OTHERS \$1,600,000
DATE PREPARED: Oct 29/09	TOTAL ESTIMATED COSTS <u>\$4,000,000</u>

SCOPE OF WORK:

This proposal provides for the installation of new and upgrade services for Industrial/ Commercial customers.

Approximate number of Industrial/ Commercial Services installed :

Year	Number of Customers
2007	537
2008	355
2009	380 (Forecast)
2010	380 (Estimate)

Estimated Annual Expenditure

2010					2011	2012
Q1	Q2	Q3	Q4	Total		
\$750,000	\$1,000,000	\$1,000,000	\$1,250,000	\$4,000,000	\$ 4,120,000	\$ 4,243,600

Prepared

Dal Cheema

Accepted

R. Landon

Approved

[Signature]

**ENERSOURCE HYDRO MISSISSAUGA
 2010 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: NEW SUBDIVISIONS	PROJECT NUMBER:	C0541
LOCATION: VARIOUS	FUNDS PROVIDED BY:	
TYPE: OVERHEAD & UNDERGROUND	BOARD	\$500,000
DATE PREPARED: Oct 29/09	OTHERS	
	TOTAL ESTIMATED COSTS	\$500,000

SCOPE OF WORK:

This proposal provides Capital Contribution Refunds (Under Section 3 of the Distribution System Code) to the developers and Enersource Hydro Mississauga's contribution for installation of services for subdivisions including single lots and apartment buildings.

Approximate number of Residential Services installed :

Year	Number of Customers
2007	1,900
2008	3,144
2009	3,000 (Forecast)
2010	3,000 (Estimate)

The large number of services is due to the fact that EHM is making Offer to Connects to the developers to have all the units in condos/ apartments to be individually metered.

Estimated Annual Expenditure

2010					2011	2012
Q1	Q2	Q3	Q4	Total		
\$50,000	\$150,000	\$250,000	\$50,000	\$500,000	\$ 515,000	\$ 530,450

Prepared

Dal Cheema

Accepted

Approved

**ENERSOURCE HYDRO MISSISSAUGA
2010 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: ROAD PROJECTS	PROJECT NUMBER: C0531
LOCATION: VARIOUS	FUNDS PROVIDED BY:
TYPE: OVERHEAD & UNDERGROUND	BOARD \$ 2,400,000
DATE PREPARED: Oct 29/09	OTHERS \$600,000
	TOTAL ESTIMATED COSTS \$ 3,000,000

SCOPE OF WORK:

This proposal provides for the relocation of Enersource Hydro Mississauga plant to allow for road construction by the City of Mississauga, the Region of Peel and the Ministry of Transportation & for the Bus Rapid Transit (BRT).

Bus Rapid Transit System - misc locations

1	Tomken O/H	\$ 500,000
2	Cawthra	\$ 350,000
3	Dixie O/H	\$ 500,000
4	Dixie U/G	\$ 700,000
5	Tahoe	\$ 250,000
6	Total BRT Costs	<u>\$ 2,300,000</u>
7	Tobram Grade Separation	<u>\$ 700,000</u>
	Total Capital Budget	<u>\$ 3,000,000</u>

Estimated Annual Expenditure

2010					2011	2012
Q1	Q2	Q3	Q4	Total		
\$100,000	\$1,200,000	\$ 1,500,000	\$200,000	\$3,000,000	\$ 3,500,000	\$1,500,000

Prepared

Bob Koskocky

Accepted

Approved

**ENERSOURCE HYDRO MISSISSAUGA
2010 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT:	METERING EQUIPMENT	PROJECT NUMBER:	C0598
LOCATION:	VARIOUS	FUNDS PROVIDED BY:	COMMISSION
TYPE:	METERING EQUIPMENT	OTHERS	
DATE PREPARED:	Aug 13/09	TOTAL ESTIMATED COSTS	\$462,070

SCOPE OF WORK:

This forecast requires that Metering as listed below be purchased and installed by the end of the year.
These figures do not reflect the purchase of SMART METERS.

	Materials	Qty	Price/unit	Cost
1	New Comm/Ind Metering (>200kW)	25	\$ 880.00	\$ 22,000.00
2	New Comm/Ind Metering (< 200 kW)	0	\$ 558.00	\$ -
3	Reverification Meters	0	\$ 173.00	\$ -
4	Bar type Current Transformers	250	\$ 125.00	\$ 31,250.00
5	Window type Current Transformers	60	\$ 497.00	\$ 29,820.00
6	Potential Transformers	500	\$ 128.00	\$ 64,000.00
7	Meter Parts, wire, test blocks, cellular modems, etc.			\$ 20,000.00
8	Primary IT's			\$ 20,000.00

Total Material Costs	\$ 187,070.00
Capital Labour	\$ 275,000.00
Total Capital Budget	\$ 462,070.00

ESTIMATED ANNUAL EXPENDITURE

2010					2011	2012
Q1	Q2	Q3	Q4	Total		
\$115,500	\$115,500	\$115,500	\$115,570	\$462,070	\$1,071,800	\$1,071,800

Prepared: David Rankin

Accepted

Approved

**ENERSOURCE HYDRO MISSISSAUGA
2010 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: WHOLESALE METER (Full Upgrades)	PROJECT NUMBER: C0597
LOCATION: HYDRO ONE TRANSFORMER STATIONS	FUNDS PROVIDED BY: BOARD \$ 2,697,040
TYPE: WHOLESALE METER UPGRADES	OTHERS
DATE PREPARED: Aug 13/09	TOTAL ESTIMATED COSTS <u>\$ 2,697,040</u>

SCOPE OF WORK:

The following proposal is for Wholesale Meter Installations Upgrades. Wholesale metering installations must conform to full IESO and Measurement Canada Standards. All new installation require separate main and alternate metering configuration.

Cooksville T3 - Q Bus	\$ 131,860.00
Cooksville T4 - J Bus	\$ 131,860.00
Cooksville T5 - B Bus	\$ 131,860.00
Cooksville T6 - Y Bus	\$ 131,860.00
Lorne Park T1 - B Bus	\$ 131,860.00
Lorne Park T1 - J Bus*	\$ 100,180.00
Lorne Park T1 - J Bus	\$ 131,860.00
Lorne Park T2 - J Bus*	\$ 100,180.00
Erindale T1 - E Bus	\$ 131,860.00
Erindale T1 - Q Bus*	\$ 100,180.00
Erindale T2 - E Bus	\$ 131,860.00
Erindale T2 - Q Bus*	\$ 100,180.00
Erindale T3	\$ 131,860.00
Erindale T4	\$ 131,860.00
Meadowvale T1 - E Bus	\$ 131,860.00
Meadowvale T2 - Z Bus	\$ 131,860.00
Winston Churchill - Bus #1**	\$ 79,000.00
Winston Churchill - Bus #2**	\$ 79,000.00
Bramalea M11	\$ 139,000.00
Bramalea M12	\$ 139,000.00
Bramalea M8	\$ 139,000.00
Bramalea M7	\$ 139,000.00
Total Capital Budget	<u>\$ 2,697,040</u>

Estimated Annual Expenditure

2010					2011	2012
Q1	Q2	Q3	Q4	Total		
\$1,184,000	\$597,013	\$434,013	\$482,014	\$2,697,040	\$2,451,400	\$503,000

Prepared: Ramez Hakeem

Accepted

Approved

Nov. 06. 2009

Approved 6/11/09

ENERSOURCE HYDRO MISSISSAUGA 2010 CAPITAL BUDGET PROJECT PROPOSAL																																																						
PROJECT: SMART METERING		APPROVAL NUMBER: C0599																																																				
LOCATION: VARIOUS		FUNDS PROVIDED BY: COMMISSION		\$11,134,000																																																		
TYPE: SMART METERING		OTHERS																																																				
DATE PREPARED: Aug 13/09		TOTAL ESTIMATED COSTS		<u>\$11,134,000</u>																																																		
SCOPE OF WORK: <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 60%;">Materials</th> <th style="width: 10%;">Qty</th> <th style="width: 25%;">Cost</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Residential Smart Meters</td> <td>25,000</td> <td>\$ 2,250,000</td> </tr> <tr> <td>2</td> <td>GS<50 kW Smart Meters</td> <td>9,600</td> <td>\$ 3,456,000</td> </tr> <tr> <td>3</td> <td>Collector Smart Meters</td> <td>160</td> <td>\$ 232,000</td> </tr> <tr> <td>4</td> <td>Meter Rings & Seals</td> <td></td> <td>\$ 265,000</td> </tr> <tr> <td>5</td> <td>Material Burden</td> <td></td> <td>\$ 891,000</td> </tr> <tr> <td>6</td> <td>Installation Services</td> <td></td> <td>\$ 1,158,000</td> </tr> <tr> <td>7</td> <td>AMI Collector Computer Software</td> <td></td> <td>\$ 65,000</td> </tr> <tr> <td>8</td> <td>Mobile Workforce Management</td> <td></td> <td>\$ 260,000</td> </tr> <tr> <td>9</td> <td>MDM/R Interface and Smart Metering</td> <td></td> <td>\$ 1,057,000</td> </tr> <tr> <td>10</td> <td>Smart Meter Retrofits in Condominium Units</td> <td>1,500</td> <td>\$ 1,500,000</td> </tr> <tr> <td colspan="3" style="padding-top: 10px;">Total Capital Budget</td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">\$ 11,134,000</td> </tr> </tbody> </table>								Materials	Qty	Cost	1	Residential Smart Meters	25,000	\$ 2,250,000	2	GS<50 kW Smart Meters	9,600	\$ 3,456,000	3	Collector Smart Meters	160	\$ 232,000	4	Meter Rings & Seals		\$ 265,000	5	Material Burden		\$ 891,000	6	Installation Services		\$ 1,158,000	7	AMI Collector Computer Software		\$ 65,000	8	Mobile Workforce Management		\$ 260,000	9	MDM/R Interface and Smart Metering		\$ 1,057,000	10	Smart Meter Retrofits in Condominium Units	1,500	\$ 1,500,000	Total Capital Budget			\$ 11,134,000
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ENERSOURCE HYDRO MISSISSAUGA 2010 CAPITAL BUDGET PROJECT PROPOSAL																							
PROJECT:	SMART METERING IN NEW CONDOS	APPROVAL NUMBER:	C0899																				
LOCATION:	VARIOUS	FUNDS PROVIDED BY:	COMMISSION																				
			\$1,231,136																				
TYPE:	SMART METERING IN NEW CONDOS	OTHERS																					
DATE PREPARED:	Aug 13/09	TOTAL ESTIMATED COSTS	<u>\$1,231,136</u>																				
<p>SCOPE OF WORK: EHM will supply and install smart meters in new condominiums under development in Mississauga.</p> <table style="width: 100%; margin-top: 20px;"> <thead> <tr> <th style="text-align: left;">Materials</th> <th style="text-align: right;">Qty</th> <th style="text-align: right;">Cost</th> </tr> </thead> <tbody> <tr> <td>Smart Meters for New Condos</td> <td style="text-align: right;">2,259</td> <td style="text-align: right;">\$ 705,734</td> </tr> <tr> <td>Material Burden</td> <td></td> <td style="text-align: right;">\$ 105,860</td> </tr> <tr> <td>Installation</td> <td></td> <td style="text-align: right;">\$ 95,601</td> </tr> <tr> <td>Electrician Services (Install Infrastructure)</td> <td></td> <td style="text-align: right;">\$ 323,941</td> </tr> <tr> <td>Total Capital Budget</td> <td></td> <td style="text-align: right;"><u>\$ 1,231,136</u></td> </tr> </tbody> </table>						Materials	Qty	Cost	Smart Meters for New Condos	2,259	\$ 705,734	Material Burden		\$ 105,860	Installation		\$ 95,601	Electrician Services (Install Infrastructure)		\$ 323,941	Total Capital Budget		<u>\$ 1,231,136</u>
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ESTIMATED ANNUAL EXPENDITURE																							
2010																							
Q1	Q2	Q3	Q4	Total	2011	2012																	
\$350,867	\$430,897	\$350,867	\$98,505	\$1,231,136	\$630,000	\$597,000																	
Prepared: David Rankin					Accepted																		
Approved																							

**ENERSOURCE HYDRO MISSISSAUGA
2010 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT:	ROLLING STOCK	PROJECT NUMBER:	C0584
LOCATION:	3240 MAVIS RD.	FUNDS PROVIDED BY:	
		BOARD	\$ 1,500,000
TYPE:	ROLLING STOCK	OTHERS	
DATE PREPARED:	Oct 29/09	TOTAL ESTIMATED COSTS	<u>\$1,500,000</u>

SCOPE OF WORK:

This proposal covers replacements to our rolling stock

	Type	Unit #	Year	Replacement Cycle	Year to Replace	Cost (\$)
1	Executive Car	01907	2007	3	2010	\$ 65,000
2	Bucket Truck, double	20598	1998	12	2010	\$ 450,000
3	Bucket Truck, single	23200	2000	10	2010	\$ 210,000
4	Bucket Truck single	New (236)			2010	\$ 225,000
5	Pick-up Truck (Supervisor)	45205	2005	5	2010	\$ 45,000
6	1 ton Truck w. utility body	45800	2000	10	2010	\$ 55,000
7	Tandem Axle box Trailer	92195	1995	15	2010	\$ 15,000
8	Mini-X Trailer	92295	1995	15	2010	\$ 15,000
9	Mini Excavator	92301	2001	10	2010	\$ 65,000
10	Tandem Axle Cargo Trailer	94398	1998	15	2010	\$ 24,000
11	Tandem Axle Cargo Trailer	94498	1998	15	2010	\$ 24,000
12	Tandem Axle Cargo Trailer	94598	1998	15	2010	\$ 24,000
13	Turret trailer	96390	1990	20	2010	\$ 80,000
14	Turret trailer	96490	1990	20	2010	\$ 80,000
15	Hydraulic Tools					\$ 60,000
16	Service Equipment					\$ 63,000
Total Capital Budget						<u>\$ 1,500,000</u>

Estimated Annual Expenditure

2010					2011	2012
Q1	Q2	Q3	Q4	Total		
\$150,000	\$300,000	\$350,000	\$700,000	\$1,500,000	\$ 1,545,000	\$ 1,591,350

prepared

Bob Koskocky

Accepted

Approved

**ENERSOURCE HYDRO MISSISSAUGA
 2010 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: MAJOR TOOLS	PROJECT NUMBER:	C0595
LOCATION: 3240 MAVIS ROAD	FUNDS PROVIDED BY:	
TYPE: OVERHEAD & UNDERGROUND	BOARD	\$175,000
DATE PREPARED: Oct 29/09	OTHERS	
	TOTAL ESTIMATED COSTS	<u>\$175,000</u>

SCOPE OF WORK:

This proposal covers the major tool requirements, some of these are listed below:

- 1 Grounding Materials
- 2 Sensorlink Ampstick
- 3 Compression connector presses
- 4 Phasing Sticks
- 5 Load Bust Tools
- 6 Battery Tools - presses, cutters
- 7 Protection Relay Test Set
- 8 Travellers
- 9 Concrete bucket
- 10 Mud tracks
- 11 Locates equipment

Estimated Annual Expenditure

2010					2011	2012
Q1	Q2	Q3	Q4	Total		
\$30,000	\$30,000	\$40,000	\$75,000	\$175,000	\$ 180,250	\$ 185,658

Prepared

Bob Koskocky

Accepted

Approved

ENERSOURCE HYDRO MISSISSAUGA 2010 CAPITAL BUDGET PROJECT PROPOSAL																																						
PROJECT:	INFORMATION TECHNOLOGY	PROJECT NUMBER:	C0585																																			
LOCATION:	3240 MAVIS ROAD	FUNDS PROVIDED BY:																																				
TYPE:	IT	BOARD	\$2,040,000																																			
DATE PREPARED:	Oct 29/09	OTHERS																																				
			TOTAL ESTIMATED COSTS	\$2,040,000																																		
<u>SCOPE OF WORK:</u> <div style="margin-top: 10px;"> A Hardware Infrastructure Upgrades: <table style="width: 100%; margin-left: 20px;"> <tr> <td style="width: 80%;">Additional Desktop and Wireless equipment for new and existing employees</td> <td style="text-align: right;">\$45,000</td> </tr> <tr> <td>Additional Intel servers for application growth</td> <td style="text-align: right;">\$80,000</td> </tr> <tr> <td>Networking upgrades and additional requirements</td> <td style="text-align: right;">\$25,000</td> </tr> <tr> <td>Upgrade for the AIX production box with 2 processors and additional memory</td> <td style="text-align: right;">\$500,000</td> </tr> <tr> <td>For both the prod and test boxes</td> <td></td> </tr> <tr> <td>JDE - Intel hardware for Upgrade</td> <td style="text-align: right; border-top: 1px solid black;">\$100,000</td> </tr> <tr> <td>Sub-total Hardware</td> <td style="text-align: right; border-top: 1px solid black;">\$ 750,000</td> </tr> </table> </div> <div style="margin-top: 10px;"> B Software Requirements by Department: <table style="width: 100%; margin-left: 20px;"> <tr> <td style="width: 80%;">JDE - Upgrade</td> <td style="text-align: right;">\$ 475,000</td> </tr> <tr> <td>JDE - Job Cost Estimating</td> <td style="text-align: right;">\$ 200,000</td> </tr> <tr> <td>OCR Electronic Timesheets and Storage</td> <td style="text-align: right;">\$ 45,000</td> </tr> <tr> <td>SharePoint Initiatives and Hardware</td> <td style="text-align: right;">\$ 100,000</td> </tr> <tr> <td>CC&B Time of Use Implementation</td> <td style="text-align: right;">\$ 250,000</td> </tr> <tr> <td>CC&B Interfaces and Betterments</td> <td style="text-align: right;">\$ 150,000</td> </tr> <tr> <td>CC&B Customer Centric Business Intellegents</td> <td style="text-align: right; border-top: 1px solid black;">\$ 70,000</td> </tr> <tr> <td>Sub-total Software</td> <td style="text-align: right; border-top: 1px solid black;">\$ 1,290,000</td> </tr> <tr> <td>Total Capital Budget</td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">\$ 2,040,000</td> </tr> </table> </div>							Additional Desktop and Wireless equipment for new and existing employees	\$45,000	Additional Intel servers for application growth	\$80,000	Networking upgrades and additional requirements	\$25,000	Upgrade for the AIX production box with 2 processors and additional memory	\$500,000	For both the prod and test boxes		JDE - Intel hardware for Upgrade	\$100,000	Sub-total Hardware	\$ 750,000	JDE - Upgrade	\$ 475,000	JDE - Job Cost Estimating	\$ 200,000	OCR Electronic Timesheets and Storage	\$ 45,000	SharePoint Initiatives and Hardware	\$ 100,000	CC&B Time of Use Implementation	\$ 250,000	CC&B Interfaces and Betterments	\$ 150,000	CC&B Customer Centric Business Intellegents	\$ 70,000	Sub-total Software	\$ 1,290,000	Total Capital Budget	\$ 2,040,000
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Prepared	Rod Lee	Accepted		Approved																																		

**ENERSOURCE HYDRO MISSISSAUGA
2010 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: ENGINEERING & ASSET SYSTEMS	PROJECT NUMBER: C0581
LOCATION: 3240 MAVIS ROAD	FUNDS PROVIDED BY: BOARD \$1,265,000
TYPE: COMPUTER HARDWARE AND SOFTWARE	OTHERS
DATE PREPARED: Oct 29/09	TOTAL ESTIMATED COSTS <u>\$1,265,000</u>

SCOPE OF WORK:

The Engineering & Asset Systems department provides information technology tools to assist in managing plant and equipment. These tools include software and hardware for 165 people in Enersource Hydro Mississauga and Services, including internal personnel and outside crews.

1	Upgrade Field Computers, Workstations, Servers, Plotters	\$	95,000
2	Engineering Analysis Software	\$	50,000
3	G/Electric 9.4 Upgrade	\$	30,000
4	Integrate SPF and JDE for Workflows	\$	30,000
5	IOM Phase II*	\$	525,000
6	IOM Additional Software Licenses	\$	140,000
7	Mobile Workforce Management Project	\$	165,000
8	Historian/Calculation/Trending Software Implementation	\$	120,000
9	AM/FM Detail Drawing Project	\$	110,000

*Project continued from 2009

Total Capital Budget	<u>\$ 1,265,000</u>
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Estimated Annual Expenditure

2010					2011	2012
Q1	Q2	Q3	Q4	Total		
\$380,000	\$507,000	\$119,000	\$279,000	\$1,265,000	\$752,000	\$820,000

Prepared

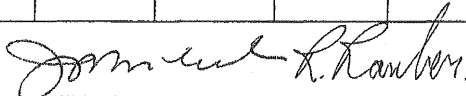
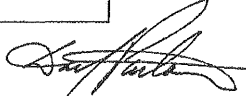
Amy Hime

Amy Hime Accepted

[Signature]

Approved

[Signature]

ENERSOURCE HYDRO MISSISSAUGA 2010 CAPITAL BUDGET PROJECT PROPOSAL																																							
PROJECT:	GROUND & BUILDINGS	PROJECT NUMBER:	C0591																																				
LOCATION:	3240 MAVIS ROAD	FUNDS PROVIDED BY:																																					
TYPE:	GROUND & BUILDINGS	BOARD	\$1,850,000																																				
DATE PREPARED:	Oct 29/09	OTHERS																																					
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SCOPE OF WORK: <table style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 5%; text-align: center;">1</td> <td style="width: 75%;">HVAC Upgrades</td> <td style="width: 20%; text-align: right;">\$ 300,000</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Health and Safety environment Issues</td> <td style="text-align: right;">\$ 200,000</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Site security (Fence, cameras, detection)</td> <td style="text-align: right;">\$ 250,000</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Stavebank Disaster center- building upgrades</td> <td style="text-align: right;">\$ 150,000</td> </tr> <tr> <td style="text-align: center;">5</td> <td>Door replacement</td> <td style="text-align: right;">\$ 200,000</td> </tr> <tr> <td style="text-align: center;">6</td> <td>Building envelope (Walls, windows, lighting)</td> <td style="text-align: right;">\$ 300,000</td> </tr> <tr> <td style="text-align: center;">7</td> <td>Energy Efficiency Upgrades Program- continuation of 2008 program</td> <td style="text-align: right;">\$ 75,000</td> </tr> <tr> <td style="text-align: center;">8</td> <td>Furniture Requirements</td> <td style="text-align: right;">\$ 75,000</td> </tr> <tr> <td style="text-align: center;">9</td> <td>Replace Garage Tube Heaters</td> <td style="text-align: right;">\$ 200,000</td> </tr> <tr> <td style="text-align: center;">10</td> <td>Head office design review</td> <td style="text-align: right;">\$ 100,000</td> </tr> <tr> <td colspan="2" style="text-align: right; margin-top: 10px;">Total Capital Budget</td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">\$ 1,850,000</td> </tr> </table>							1	HVAC Upgrades	\$ 300,000	2	Health and Safety environment Issues	\$ 200,000	3	Site security (Fence, cameras, detection)	\$ 250,000	4	Stavebank Disaster center- building upgrades	\$ 150,000	5	Door replacement	\$ 200,000	6	Building envelope (Walls, windows, lighting)	\$ 300,000	7	Energy Efficiency Upgrades Program- continuation of 2008 program	\$ 75,000	8	Furniture Requirements	\$ 75,000	9	Replace Garage Tube Heaters	\$ 200,000	10	Head office design review	\$ 100,000	Total Capital Budget		\$ 1,850,000
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**ENERSOURCE HYDRO MISSISSAUGA
2011 BUDGET
3-YEAR CAPITAL EXPENDITURE FORECAST
\$000's**

CATEGORY	2009 Actual	2010 Budget	2010 Forecast	2011 Budget	2012 Estimate	2013 Estimate
System Capacity - Growth Driven Investment						
C0507 SUBTRANSMISSION/ DISTRIBUTION	3,597	3,500	3,200	6,000	3,000	2,500
C0504 SUBSTATION CONSTRUCTION	7,500	5,950	6,700	5,800	5,500	5,500
Total Growth Driven Investment	11,098	9,450	9,900	11,800	8,500	8,000
System Maintenance - Reliability Driven Investment						
C0505 SUBDIVISION REBUILDS	8,354	7,000	7,000	6,000	6,000	6,000
C0561 O/H DISTRIBUTION UPGRADES	4,704	3,200	3,700	2,750	2,850	3,200
C0565 U/G DISTRIBUTION MAINTENANCE	2,441	2,300	2,000	2,300	2,400	2,500
C0563 TRANSFORMER REPLACEMENT	2,464	800	1,300	900	1,000	1,000
C0576 AUTO SWITCHES/ SCADA	1,328	2,000	1,875	1,300	1,500	1,500
Total Reliability Driven Investment	19,291	15,300	15,875	13,250	13,750	14,200
Total System Expansion Driven Investment	30,389	24,750	25,775	25,050	22,250	22,200
System Expansion & Upgrades - Customer Driven Investment						
C0542 INDUSTRIAL/ COMMERCIAL SERVICES	5,139	4,000	3,200	3,500	3,200	3,200
C0541 NEW SUBDIVISIONS	1,204	500	575	2,250	2,000	2,050
C0531 ROAD PROJECTS	1,969	3,000	3,500	3,000	1,500	1,500
C0598 METERING EQUIPMENT	408	462	462	1,151	909	880
C0899 SMART METERING IN NEW CONDOS	608	1,231	1,000	900	1,232	1,440
Total Customer Driven Investment	9,328	9,193	8,737	10,801	8,841	9,070
Non - System Requirements - Regulatory Driven Investment						
CONSERVATION & DEMAND	43					
C0900 GEGERA INITIATIVES & CONNECTIONS			25			
C0597 WHOLESALE METER UPGRADES	974	2,697	853	1,640	2,560	599
C0599 SMART METERING	8,392	11,134	11,173	2,170	96	209
Total Regulatory Driven Investment	9,410	13,831	12,051	3,810	2,656	808
Non - System Requirements - Internally Driven Investment						
C0596 CIS	2,894					
C0584 ROLLING STOCK	1,993	1,500	1,500	1,750	1,500	1,500
C0595 MAJOR TOOLS	219	175	125	150	125	125
C0585 INFORMATION TECHNOLOGY	1,123	2,040	2,676	1,126	1,451	881
C0588 JDE/ERP SYSTEM				2,055	1,365	1,195
C0589 METER TO CASH				680	530	235
C0581 ENGINEERING & ASSET SYSTEMS	689	1,265	586	1,135	795	645
C0592 LAND ACQUISITION & BUILDING RENOVATIONS				10,000	10,000	
C0591 GROUNDS & BUILDINGS	1,537	1,850	1,100	2,300	1,425	1,425
Information Systems & Facilities Total	8,456	6,830	5,987	19,196	17,191	6,006
TOTAL CAPITAL EXPENDITURES	57,583	54,604	52,550	58,857	50,938	38,083
Customer Contributions						
C0542 INDUSTRIAL/ COMMERCIAL SERVICES		(2,000)	(2,400)	(1,800)	(1,600)	(1,600)
C0541 NEW SUBDIVISIONS		(2,800)	(2,000)	(650)	(600)	(600)
C0531 ROAD PROJECTS		(700)	(800)	(750)	(375)	(375)
Total Customer Contributions	-	(5,500)	(5,200)	(3,200)	(2,575)	(2,575)
TOTAL CAPITAL EXPENDITURES excl contributions	57,583	49,104	47,350	55,657	48,363	35,508

ENERSOURCE HYDRO MISSISSAUGA INC.
2011 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: SMART METERING IN NEW CONDOS **BU:** C0899
DATE PREPARED: October 28, 2010 **TYPE:** SMART METERING IN NEW CONDOS

SCOPE OF WORK:

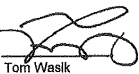
EHM will supply and install smart meters in new condominiums under development in Mississauga.


2011 Projects		Quantity	Cost
1	Smart Meters for New Condos	840	\$ 271,000
2	Material Burden		\$ 41,000
3	Installation		\$ 37,000
4	Electrician Services (Install Infrastructure)		\$ 125,000
5	Smart Meter Retrofits In Condominium Units - equipment	800	\$ 265,000
6	Smart Meter Retrofits In Condominium Units - Installation		\$ 161,000
Total			\$ 900,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$90,000	\$90,000	\$360,000	\$360,000	\$900,000	\$0	\$900,000

Prepared: 
David Rankin

Accepted: 
Tom Wasik

Approved: 
Dan Pastoric

**ENERSOURCE HYDRO MISSISSAUGA INC.
2011 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: METERING EQUIPMENT C0598
DATE PREPARED: October 28, 2010 METERING EQUIPMENT

SCOPE OF WORK:

This forecast requires that Metering as listed below be purchased and installed by the end of the year.
These figures do not reflect the purchase of SMART METERS.

2011 Projects		Quantity	Cost
1	Residential	1000	\$ 75,000
2	Residential Remote Disconnect Meter	200	\$ 28,000
3	New Comm/Ind Metering (>200kW)	100	\$ 88,000
4	New Comm/Ind Metering (< 200 kW)	300	\$ 167,000
5	Reverification Meters	75	\$ 13,000
6	Bar type Current Transformers	250	\$ 31,000
7	Window type Current Transformers	100	\$ 50,000
8	Potential Transformers	500	\$ 64,000
9	Meter Parts, wire, test blocks, cellular modems, etc.		\$ 20,000
10	Primary IT's		\$ 30,000
11	Capital Labour		\$ 285,000
12	Meter Analyzer (Hardware)		\$ 25,000
	CC&B upgrade for Measurement Canada (meter sampling)		
13			\$ 275,000
Total			\$ 1,151,000

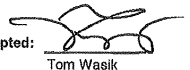
Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$230,000	\$345,000	\$345,000	\$231,000	\$1,151,000	\$0	\$1,151,000

Prepared:


David Rankin

Accepted:


Tom Wasik

Approved:


Dan Pastoric

ENERSOURCE HYDRO MISSISSAUGA INC.
2011 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: SMART METERING **BU:** C0599
DATE PREPARED: October 28, 2010 **TYPE:** SMART METERING

SCOPE OF WORK:

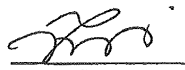
Smart Metering completion and TOU roll out
Note: Costs Listed do not include applicable taxes

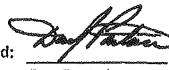
2011 Projects		Quantity	Cost
1	Residential Smart Meters	2,250	\$ 168,750
2	GS<50 kW Smart Meters	2,500	\$ 900,000
3	Meter Rings & Seals	1,800	\$ 13,000
4	Material Burden		\$ 171,000
5	Installation Services		\$ 24,000
6	MDM/R Interface and Smart Metering		\$ 167,000
7	Project Management Services		\$ 172,250
8	Modifications to SymSure software for Revenue Assurance		\$ 75,000
9	MDQA Development, Testing, Implementation, Enhancement of MVRS, Biztalk and MAS Modifications & Testing		\$ 417,000
10	Web Presentment Implementation & Testing		\$ 62,000
		Total	\$ 2,170,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$434,000	\$651,000	\$651,000	\$434,000	\$2,170,000	\$0	\$2,170,000

Prepared: 
David Rankin

Accepted: 
Tom Wasik

Approved: 
Dan Pastoric

ENERSOURCE HYDRO MISSISSAUGA INC.
2011 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: WHOLESALE METER (Full Upgrades) **BU:** C0597
DATE PREPARED: October 28, 2010 **TYPE:** WHOLESALE METER UPGRADES

SCOPE OF WORK:

The following proposal is for Wholesale Meter Installations Upgrades. Wholesale metering installations must conform to full IESO and Measurement Canada Standards. All new installation require separate main and alternate metering configuration.

	2011 Projects	Cost
1	Cooksville T3 - Q Bus	\$ 107,780
2	Cooksville T4 - J Bus	\$ 107,780
3	Cooksville T5 - B Bus	\$ 107,780
4	Cooksville T6 - Y Bus	\$ 107,780
5	Lorne Park T1 - B Bus	\$ 107,780
6	Lorne Park T1 - J Bus*	\$ 86,660
7	Lorne Park T1 - J Bus	\$ 107,780
8	Lorne Park T2 - J Bus*	\$ 86,660
9	Erindale T1 - E Bus	\$ 107,780
10	Erindale T1 - Q Bus*	\$ 86,660
11	Erindale T2 - E Bus	\$ 107,780
12	Erindale T2 - Q Bus*	\$ 86,660
13	Erindale T3	\$ 107,780
14	Erindale T4	\$ 107,780
15	Meadowvale T1 - E Bus	\$ 107,780
16	Meadowvale T2 - Z Bus	\$ 107,780
	Total	\$ 1,640,000

i.e. "estimated figures are based on contracting HONI to complete the upgrade projects"

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$0	\$1,000,000	\$360,000	\$280,000	\$1,640,000	\$0	\$1,640,000

Prepared:

Branko Boras

Accepted:

Ramez Hakeem

Approved:

Sonja Potocnik

**ENERSOURCE HYDRO MISSISSAUGA INC.
 2011 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: SUBTRANSMISSION/ DISTRIBUTION **BU:** C0507
DATE PREPARED: October 28, 2010 **TYPE:** OVERHEAD

SCOPE OF WORK:

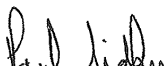
The projects being considered:

2011 Projects		Cost
1	*Churchill Meadows TS Egress Feeders - TS site to WCB	\$ 1,750,000
2	*Dundas St - Jaguar Valley to Cawthra Rd	\$ 1,000,000
3	*Dixie Rd - Britannia Rd to Courtney Park Dr	\$ 750,000
4	*Lakeshore Rd - Hurontario St to Cawthra Rd	\$ 250,000
5	*Derry Rd - Hydro ROW to Hurontario St	\$ 250,000
6	*Lakeshore Rd - CNR Track Relocations	\$ 2,000,000
Total		\$ 6,000,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$1,500,000	\$2,000,000	\$1,000,000	\$1,500,000	\$6,000,000	\$0	\$6,000,000


Prepared:


 Paul Sidhu

Accepted:


 Bob Koskocky

Approved:


 Raymond Rauber

**ENERSOURCE HYDRO MISSISSAUGA INC.
 2011 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: SUBSTATION CONSTRUCTION **BU:** C0504
DATE PREPARED: October 28, 2010 **TYPE:** SUBSTATION

SCOPE OF WORK:

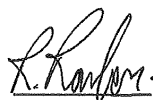
2011 Projects		Cost
1	*Aging 5 MVA Tx & HV replacement	\$ 500,000
2	Substation Site Enhancements	\$ 300,000
3	*Melton MS 4.16kV upgrades	\$ 1,300,000
4	*Bromsgrove MS 4.16kV upgrades	\$ 950,000
5	*Sheridan Park MS 13.8kV switchgear upgrades (Phase 2)	\$ 750,000
6	*Malton MS 13.8 kV switchgear upgrades	\$ 550,000
7	Erin Mills MS Building	\$ 750,000
8	*Erin Mills MS 20 MVA Tx delivery (2012 Delivery)	\$ 400,000
9	*Erin Mills MS new 15 kV switchgear & HVCB (2012 Delivery)	\$ 250,000
10	City Centre 44 kV GIS commissioning	\$ 50,000
Total		\$ 5,800,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$500,000	\$1,500,000	\$1,200,000	\$2,600,000	\$5,800,000	\$0	\$5,800,000

Prepared: 
 Paul Sidhu

Accepted: 
 JP Michaud

Approved: 
 Raymond Rauber

ENERSOURCE HYDRO MISSISSAUGA INC.
2011 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: SUBDIVISION REBUILDS **BU:** C0505
DATE PREPARED: October 28, 2010 **TYPE:** UNDERGROUND

SCOPE OF WORK:

This proposal is for the underground cable system rebuilds. The projects include the replacement of all primary cables. In some areas the installation may also include replacement of secondary cables and transformers.

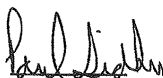
The areas being considered:

2011 Projects		Cost
1	*FOLKWAY & FARMCOTTAGE	\$ 800,000
2	*MONTEVIDEO & INLAKE	\$ 800,000
3	*MOLLY AVE	\$ 800,000
4	*PAISLEY BLVD	\$ 700,000
5	*CONSTABLE RD	\$ 700,000
6	*ABANA	\$ 700,000
7	*FORESTWOOD	\$ 700,000
8	*CITY CENTRE Ph 3	\$ 800,000
Total		\$ 6,000,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$300,000	\$1,500,000	\$1,800,000	\$2,400,000	\$6,000,000	\$0	\$6,000,000


Prepared:


 Paul Sidhu

Accepted:


 Dal Cheema

Approved:


 Raymond Rauber

ENERSOURCE HYDRO MISSISSAUGA INC.
2011 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: O/H DISTRIBUTION UPGRADES **BU:** C0561
DATE PREPARED: October 28, 2010 **TYPE:** OVERHEAD

SCOPE OF WORK:

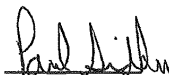
During system maintenance or as a follow-up to trouble calls, a number of overhead system components are beyond repair and require replacement. In addition some feeders require overhauls or have to be rebuilt.

2011 Projects		Cost
1	*Wood & Concrete Pole Replacement	\$ 650,000
2	Overhead Switch and Insulator Replacement	\$ 500,000
3	*Overhead Rebuilds	\$ 1,200,000
4	*Feeder Overhauls	\$ 400,000
Total		\$ 2,750,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$700,000	\$725,000	\$525,000	\$800,000	\$2,750,000	\$0	\$2,750,000


Prepared:


 Paul Sidhu

Accepted:


 Doug Morrison

Approved:


 Raymond Rauber

**ENERSOURCE HYDRO MISSISSAUGA INC.
 2011 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: U/G DISTRIBUTION MAINTENANCE **BU:** C0565
DATE PREPARED: October 28, 2010 **TYPE:** U/G DISTRIBUTION MNTCE

SCOPE OF WORK:

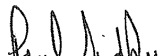
During system maintenance or as a follow-up to trouble calls, a number of overhead system components are beyond repair and require replacement. In addition some feeders require overhauls or have to be rebuilt.

2011 Projects		Cost
1	*Primary Distribution Equipment Replacement	\$ 1,000,000
2	*Underground Cable and Splice Replacement	\$ 850,000
3	Padmounted Switchgear Replacement	\$ 350,000
4	*Secondary Cable Replacements	\$ 100,000
Total		\$ 2,300,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$575,000	\$550,000	\$450,000	\$725,000	\$2,300,000	\$0	\$2,300,000


Prepared:


 Paul Sidhu

Accepted:


 Doug Morrison

Approved:


 Raymond Rauber

ENERSOURCE HYDRO MISSISSAUGA INC.
2011 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: TRANSFORMER REPLACEMENT **BU:** C0563
DATE PREPARED: October 28, 2010 **TYPE:** UNDERGROUND & OVERHEAD

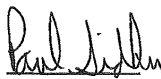
SCOPE OF WORK:

During feeder inspections and maintenance programs a number of degenerated or overloaded transformers are identified and are needed to be replaced.


2011 Projects		Cost
1	*Underground Transformer Replacement	\$ 500,000
2	*Overhead Transformer Replacement	\$ 400,000
Total		\$ 900,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$150,000	\$200,000	\$250,000	\$300,000	\$900,000	\$0	\$900,000

Prepared: 
 Paul Sidhu

Accepted: 
 Doug Morrison

Approved: 
 Raymond Rauber

ENERSOURCE HYDRO MISSISSAUGA INC.
2011 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: Auto Switches/ SCADA **BU:** C0576
DATE PREPARED: October 28, 2010 **TYPE:** OPERATIONS

SCOPE OF WORK:

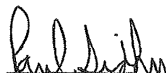
This project involves the installation of automation components to replace end of life assets, installation of new technologies to expedite restoration of outages to our customers, substation security and upgrades to our SCADA Master.

2011 Projects		Cost
1	*Replacement of aging load centres with solid dielectric automated L/C	\$ 300,000
2	*Purchase and installation of aging station and field RTU's	\$ 200,000
3	*5 MVA Tx replacement relays	\$ 25,000
4	Battery charger & batteries replacement	\$ 75,000
5	*SCADA Master upgrades & security improvements	\$ 125,000
6	*Protection relays & RTU for Melton and Bromsgrove projects	\$ 125,000
7	*Erin Mills MS Relays & RTU	\$ 150,000
8	*Malton MS Relays, RTU & 44 kV controller upgrade	\$ 100,000
9	*Orlando MS ZIV Relay & RTU replacement	\$ 150,000
10	*City Centre relay replacement (Plan 21 Cost by others)	\$ 50,000
Total		\$ 1,300,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$300,000	\$300,000	\$300,000	\$400,000	\$1,300,000	\$0	\$1,300,000


Prepared:


 Paul Sidhu

Accepted:


 JP Michaud

Approved:


 Raymond Rauber

**ENERSOURCE HYDRO MISSISSAUGA INC.
 2011 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: INDUSTRIAL/ COMMERCIAL SERVICES **BU:** C0542
DATE PREPARED: October 28, 2010 **TYPE:** U/G & O/H

SCOPE OF WORK:

This proposal provides for the installation of new and upgrade services for Industrial/ Commercial customers.

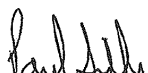
Approximate number of Industrial/ Commercial Services installed :

	2011 Connections (Forecast)	Cost
2011	350	\$ 3,500,000
	Total	\$ 3,500,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$800,000	\$900,000	\$900,000	\$900,000	\$1,700,000	\$1,800,000	\$3,500,000

Prepared:


 Paul Sidhu

Accepted:


 Dal Cheema

Approved:


 Raymond Rauber

**ENERSOURCE HYDRO MISSISSAUGA INC.
 2011 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: NEW SUBDIVISIONS **BU:** C0541
DATE PREPARED: October 28, 2010 **TYPE:** U/G & O/H

SCOPE OF WORK:

This proposal provides Capital Contribution Refunds (Under Section 3 of the Distribution System Code) to the developers and Enersource Hydro Mississauga's contribution for installation of services for subdivisions including single lots and apartment buildings.

Approximate number of Services installed :

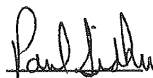
	2011 Connections (Forecast)	Cost
2011	3,000	\$ 2,250,000
	Total	\$ 2,250,000

* - Net of contributions only


Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$500,000	\$500,000	\$600,000	\$650,000	\$1,600,000	\$650,000	\$2,250,000


Prepared:


 Paul Sidhu

Accepted:


 Dal Cheema

Approved:


 Raymond Rauber

ENERSOURCE HYDRO MISSISSAUGA INC.
2011 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: ROAD PROJECTS **BU:** C0531
DATE PREPARED: October 28, 2010 **TYPE:** U/G & O/H

SCOPE OF WORK:

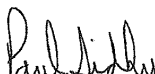
This proposal provides for the relocation of Enersource Hydro Mississauga plant to allow for road construction by the City of Mississauga, the Region of Peel and the Ministry of Transportation. 2011 projects are mainly for the Bus Rapid Transit (BRT).

	2011 Projects	Cost
1	*BRT - Eastgate / Dixie O/H	\$ 400,000
2	*BRT - Eastgate / Dixie U/G	\$ 250,000
3	*BRT - Eastgate at Tahoe	\$ 300,000
4	*BRT - Eglinton, Eastgate to Etobicoke Creek	\$ 500,000
5	*BRT - Eglinton, Etobicoke Creek to Orbitor	\$ 750,000
6	*BRT - Eglinton, Orbitor to Commerce Court	\$ 300,000
7	*BRT - Eglinton, Orbitor U/G	\$ 500,000
	Total	\$ 3,000,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$750,000	\$750,000	\$750,000	\$750,000	\$2,250,000	\$750,000	\$3,000,000

Prepared:


Paul Sidhu

Accepted:


Bob Koskocky

Approved:


Raymond Rauber

**ENERSOURCE HYDRO MISSISSAUGA
2011 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: ROLLING STOCK BU: C0584
DATE PREPARED: October 28, 2010 TYPE: ROLLING STOCK

SCOPE OF WORK:

This proposal covers replacements to our Rolling Stock

	Equipment Replacement - 2011	Unit Number	Year	Planned Replacement Cycle	Projected Replacement Cycle	Cost
1	Car	1808	2008	5	3	\$ 55,000
2	Car	2208	2008	5	3	\$ 55,000
3	Car	2308	2008	5	3	\$ 55,000
4	Car	2409	2008	5	3	\$ 55,000
5	RBD	11404	2004	10	21	\$ 460,000
6	Bucket Truck, double	24000	2000	10	11	\$ 430,000
7	Bucket Truck, single	23002	2002	8	9	\$ 230,000
8	3/4 T Pick-up Truck w. utility body	41704	2004	7	7	\$ 60,000
9	3/4 T Pick-up Truck w. utility body	42504	2004	7	7	\$ 60,000
10	3/4 T Pick-up Truck w. utility body	43304	2004	7	7	\$ 60,000
11	3/4 T Pick-up Truck	45104	2004	7	7	\$ 45,000
12	Arrowboard	90501	2001	12	10	\$ 10,000
13	Arrowboard	90601	2001	12	10	\$ 10,000
14	Mobile Generator - 100KVA single ph	96890	1990	12	22	\$ 55,000
15	Vehicle & Equipment Refurbishment					\$ 60,000
16	Hydraulic Tools/Service Equipment					\$ 50,000
				Total		\$ 1,750,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$400,000	\$400,000	\$450,000	\$500,000	\$1,750,000	\$0	\$1,750,000

Prepared:

Paul Sidhu

Accepted:

Bob Koskocky

Approved:

Raymond Rauber

**ENERSOURCE HYDRO MISSISSAUGA INC.
 2011 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: MAJOR TOOLS **BU:** C0595
DATE PREPARED: October 28, 2010 **TYPE:** OVERHEAD & UNDERGROUND

SCOPE OF WORK:

Replace/ buy Major Tools needed for field personnel to do their job

Examples

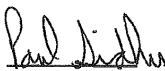
Grounding Materials
 Sensorlink Ampstick
 Compression connector presses
 Phasing Sticks
 Load Bust Tools
 Battery Tools - presses, cutters
 Protection Relay Test Set
 Travellers
 Concrete bucket
 Mud tracks
 Locates equipment

2011 **Cost**
Total **\$150,000**


Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$30,000	\$30,000	\$40,000	\$50,000	\$150,000	\$0	\$150,000


Prepared:


 Paul Sidhu

Accepted:


 Bob Koskocky

Approved:


 Raymond Rauber

ENERSOURCE HYDRO MISSISSAUGA INC.
2011 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: GROUND & BUILDINGS
DATE PREPARED: October 28, 2010

BU: C0591
TYPE: GROUND & BUILDINGS

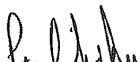
SCOPE OF WORK:

	2011 Projects	Cost
1	HVAC Upgrades - Heat pumps, roof top units and split units	\$ 100,000
2	Electrical panel & plumbing upgrades	\$ 150,000
3	Interior/exterior door replacement	\$ 75,000
4	Health and safety environmental issues	\$ 150,000
5	Site security monitoring (security desk, cameras & detection systems)	\$ 150,000
6	Furniture & chair replacement	\$ 150,000
7	Energy efficiency upgrades	\$ 100,000
8	Building exhaust and fresh air makeup systems	\$ 200,000
9	Fencing and lot paving	\$ 200,000
10	Carpet/lighting/painting office upgrades	\$ 225,000
11	Erin Mills BCM building	\$ 700,000
12	Outside building refinishing along warehouse	\$ 100,000
	Total	\$ 2,300,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$500,000	\$500,000	\$800,000	\$500,000	\$2,300,000	\$0	\$2,300,000


Prepared:


 Paul Sidhu

Accepted:


 JP Michaud

Approved:


 Raymond Rauber

**ENERSOURCE HYDRO MISSISSAUGA INC.
 2011 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: Land Aquisition & Building Renovations **BU:** C0592
DATE PREPARED: October 28, 2010 **TYPE:** GROUNDS & BUILDINGS


SCOPE OF WORK:

2011 Projects		Cost
1	3240 Building addition	\$ 10,000,000
	Total	\$ 10,000,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$500,000	\$3,000,000	\$3,500,000	\$3,000,000	\$10,000,000	\$0	\$10,000,000

Prepared:


 Paul Sidhu

Accepted:


 JP Michaud

Approved:


 Raymond Rauber

**ENERSOURCE HYDRO MISSISSAUGA INC.
2011 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: ENGINEERING & ASSET SYSTEMS **BU:** C0581
DATE PREPARED: October 28, 2010 **TYPE:** IT

SCOPE OF WORK:

The Engineering & Asset Systems department provides information technology tools to assist in managing plant and equipment. These tools include software and hardware for 165 people in Enersource Hydro Mississauga and Services, including internal personnel and outside crews.

2011 Projects		Cost
1	Upgrade Field Computers, Workstations, Servers, Plotters	\$ 150,000
2	Engineering Analysis Additional Software Licenses	\$ 40,000
3	G/Electric Upgrade	\$ 65,000
4	SPF Upgrade	\$ 35,000
5	IOM Phase II ^{*1}	\$ 505,000
6	IOM Additional Software Licenses	\$ 55,000
7	AM/FM Equipment Data Audit ^{*2}	\$ 30,000
8	Equipment Failure Tracking Application	\$ 25,000
9	AM/FM System Analysis Software Integration	\$ 150,000
10	AM/FM Detail Drawing Project ^{*3}	\$ 55,000
11	MicroStation Upgrade	\$ 25,000
Total		\$ 1,135,000

*1 Continued from 2010, to be completed in 2012.


*2 To be completed in 2012.

*3 Continued from 2010.

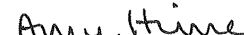
Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$495,000	\$350,000	\$230,000	\$60,000	\$1,135,000	\$0	\$1,135,000

Prepared:


Paul Sidhu

Accepted:


Amy Hime

Approved:


David Carleton

**ENERSOURCE HYDRO MISSISSAUGA INC.
2011 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: JDE/ ERP SYSTEM **BU:** C0588
DATE PREPARED: October 28, 2010 **TYPE:** IS

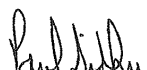
SCOPE OF WORK:

		2011 Projects	Cost
1	JDE/ERP Betterments		\$ 100,000
2	Absence Management and Employee Self Time Entry		\$ 305,000
3	JDE Upgrade (Continued from 2010)		\$ 1,650,000
		Total	\$ 2,055,000

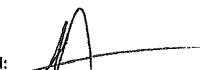
Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$675,000	\$675,000	\$352,500	\$352,500	\$2,055,000	\$0	\$2,055,000

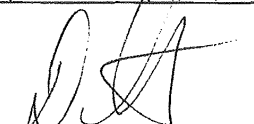
Prepared:


Paul Sidhu

Accepted:


Ken Yeh

Approved:


David Carleton

ENERSOURCE HYDRO MISSISSAUGA INC.
2011 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: IT - METER TO CASH **BU:** C0589
DATE PREPARED: October 28, 2010 **TYPE:** IT

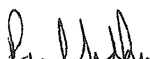
SCOPE OF WORK:

	2011 Projects	Cost
1	CC&B Data Archiving	\$ 50,000
2	CC&B TOU Betterments	\$ 100,000
3	CC&B - LPSS Upgrade	\$ 25,000
4	CC&B - MAS Upgrade	\$ 25,000
5	MW/M Expansion	\$ 260,000
6	Customer Web Self Service - Phase 2	\$ 220,000
	Total	\$ 680,000


Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$170,000	\$170,000	\$170,000	\$170,000	\$680,000	\$0	\$680,000

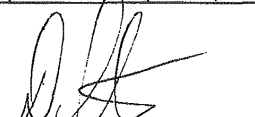
Prepared:


 Paul Sidhu

Accepted:


 Tony Kus

Approved:


 David Carleton

ENERSOURCE HYDRO MISSISSAUGA INC.
2011 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: INFORMATION TECHNOLOGY **BU:** C0585
DATE PREPARED: October 28, 2010 **TYPE:** IT

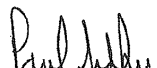
SCOPE OF WORK:

2011 Projects		Cost
1	Sharepoint initiatives on Workflow, Document management & KPI's	\$ 100,000
2	Hardware requirements for upgrades, new projects and growth	\$ 426,000
3	Additional MS desktop, server and E-Learning software	\$ 125,000
4	Replacement of all meeting room projectors	\$ 40,000
5	Migration to a common VPN process (SSL)	\$ 10,000
6	Upgrade of all network switches	\$ 200,000
7	Upgrade of firewalls at 3240 Mavis	\$ 25,000
8	Photocopy refresh	\$ 120,000
9	Safety Software	\$ 80,000
Total		\$ 1,126,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Total
2011	\$261,000	\$262,000	\$301,000	\$302,000	\$1,126,000	\$0	\$1,126,000


Prepared:


 Paul Sidhu

Accepted:


 Red

Approved:


 David Carleton

ENERSOURCE HYDRO MISSISSAUGA
2012 BUDGET
CAPITAL EXPENDITURES
(All dollar amounts in 000's)



CATEGORY	CGAAP			IFRS		
	2010 Actual	2011 Budget	2011 Forecast	2012 Budget	2013 Budget	2014 Budget
System Capacity - Growth Driven Investment	\$ 10,207	\$ 11,800	\$ 11,278	\$ 9,312	\$ 10,916	\$ 10,329
System Maintenance - Reliability Driven Investment	\$ 16,316	\$ 13,250	\$ 13,817	\$ 14,483	\$ 15,708	\$ 17,513
System Expansion & Upgrades - Customer Driven Investment	\$ 17,661	\$ 10,801	\$ 10,809	\$ 6,274	\$ 5,342	\$ 5,749
Non - System Requirements - Regulatory Driven Investment	\$ 8,763	\$ 3,810	\$ 3,951	\$ 4,039	\$ 554	\$ 735
Non - System Requirements - Internally Driven Investment	\$ 5,530	\$ 19,196	\$ 18,782	\$ 17,429	\$ 15,336	\$ 10,995
Total Approved Gross Capital Expenditures	\$ 58,477	\$ 58,857	\$ 58,637	\$ 51,537	\$ 47,856	\$ 45,321

Notes: Approved IFRS 2012- 2014 Capital Expenditures have been reduced by Customer Contributions as well as Indirect Overhead costs that will be classified as OM&A

Approved Capital Expenditures	\$ 58,477	\$ 58,857	\$ 58,637	\$ 57,871	\$ 53,880	\$ 51,337
Customer Contributions (Deferred Revenue under IFRS)	\$ (8,484)	\$ (3,200)	\$ (3,900)	\$ (2,907)	\$ (2,933)	\$ (2,960)
Adjustment for IFRS (Indirect Overhead costs to OM&A)				\$ (3,427)	\$ (3,091)	\$ (3,056)
Total Net Capital Expenditures	\$ 49,994	\$ 55,657	\$ 54,737	\$ 51,537	\$ 47,856	\$ 45,321

ENERSOURCE HYDRO MISSISSAUGA INC.		
2012 OVERALL CAPITAL BUDGET		
BUS. UNIT	CATEGORY	2012
SYSTEM CAPACITY - GROWTH DRIVEN INVESTMENT		
C0507	SUBTRANSMISSION/ DISTRIBUTION	\$ 4,500,000
C0504	SUBSTATION CONSTRUCTION	\$ 5,500,000
	SUB-TOTAL	\$ 10,000,000
SYSTEM MAINTENANCE - RELIABILITY DRIVEN INVESTMENT		
C0505	SUBDIVISION REBUILDS	\$ 7,500,000
C0561	O/H DISTRIBUTION UPGRADES	\$ 2,500,000
C0565	U/G DISTRIBUTION MAINTENANCE	\$ 2,800,000
C0563	TRANSFORMER REPLACEMENT	\$ 1,000,000
C0576	Auto Switches / SCADA	\$ 1,500,000
	SUB-TOTAL	\$ 16,300,000
SYSTEM EXPANSION & UPGRADE - CUSTOMER DRIVEN INVESTMENT		
C0542	INDUSTRIAL/ COMMERCIAL SERVICES	\$ 3,200,000
C0541	NEW SUBDIVISIONS	\$ 2,500,000
C0531	ROAD PROJECTS	\$ 2,000,000
C0598	METERING EQUIPMENT	\$ 1,214,000
C0899	SMART METERING IN NEW CONDO	\$ 1,059,000
	SUB-TOTAL	\$ 9,973,000
NON-SYSTEM REQUIREMENTS - REGULATORY DRIVEN INVESTMENT		
C0900	FIT & MICROFIT PROJECTS	\$ 282,000
C0597	WHOLESALE METER UPGRADES	\$ 2,807,000
C0599	SMART METERING	\$ 1,650,000
	SUB-TOTAL	\$ 4,739,000
NON-SYSTEM REQUIREMENTS - INTERNALLY DRIVEN INVESTMENT		
C0584	ROLLING STOCK	\$ 1,834,000
C0595	MAJOR TOOLS	\$ 175,000
C0585	INFROMATION TECHNOLOGY	\$ 1,500,000
C0588	JDE ERP SYSTEM	\$ 1,440,000
C0589	METER TO CASH	\$ 1,210,000
C0581	ENGINEERING & ASSET SYSTEMS	\$ 1,200,000
C0592	BUILDING ADDITION	\$ 8,000,000
C0591	GROUPS & BUILDINGS	\$ 2,500,000
	SUB-TOTAL	\$ 17,859,000
	GRAND TOTAL	\$ 57,871,000

ENERSOURCE HYDRO MISSISSAUGA INC.

2012 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: METER TO CASH

BU: C0589

DATE PREPARED: November 30, 2011

TYPE: INFORMATION TECHNOLOGY

SCOPE OF WORK:

The mandate of the Meter to Cash function is to maintain and operate Metering and Customer Information System solutions (CC&B), in order to provide efficient and accurate meter readings and bills for the residents of Mississauga.

The projects being considered:

2012 Projects		Cost
1	MWM Expansion	\$ 150,000
2	Revenue Assurance, CC&B BI Revenue and Customer Analytics	\$ 250,000
3	CC&B Expected Regulatory Changes & MDMR Upgrade for TOU	\$ 300,000
4	Customer Web Self Service - Phase 3	\$ 200,000
5	CC&B Trouble/Outage Call Interface to IOM	\$ 310,000
Total		\$ 1,210,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$300,000	\$300,000	\$300,000	\$310,000	\$1,210,000	\$0	\$1,210,000

Prepared:

Tony Kus

Accepted:

Director I.T.

Approved:

Dan Pastorik

ENERSOURCE HYDRO MISSISSAUGA INC.

2012 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: SMART METERING IN NEW CONDOS **BU:** C0899
DATE PREPARED: November 30, 2011 **TYPE:** SMART METERING IN
 NEW CONDOMINIUMS

SCOPE OF WORK:

Enersource continues to expand its efforts in installing individually metered suites ("IMS") with 7,100 units currently being metered. This technology is currently used primarily in condominiums, but is also applicable for use in metered rental units and apartment buildings through retrofitting.

EHM will supply and install smart meters in new condominiums under development in Mississauga.

2012 Projects		Quantity	Cost
1	Smart Meters for New Condos	1400	\$ 438,300
2	Material Burden		\$ 65,700
3	Installation		\$ 154,000
4	Electrician Services (Install Infrastructure)		\$ 217,000
5	Smart Meter Retrofits in Condo Units - Equipment	400	\$ 96,000
6	Smart Meter Retrofits in Condo Units - Installation		\$ 88,000
Total			\$ 1,059,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$211,200	\$317,700	\$317,700	\$212,400	\$1,059,000	\$0	\$1,059,000

Prepared:

David Rankin

Accepted:

Tom Wasik

Approved:

Day Pastorik

ENERSOURCE HYDRO MISSISSAUGA INC.

2012 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: SMART METERING **BU:** C0599
DATE PREPARED: November 30, 2011 **TYPE:** SMART METERING

SCOPE OF WORK:

In 2012, Enersource will receive meters for the 600V service which was not available in the market during the mass deployment. Approximately 1,500 of such meters will be installed.

The projects being considered:

2012 Projects		Quantity	Cost
1	600V Smart Meter Installation Labour	1,550	\$ 217,000
2	Labour Benefits		\$ 130,200
3	600 V Smart Meter Replacements	1,550	\$ 465,000
4	Material Burden		\$ 89,750
5	Residential Smart Meter Installation Labour	900	\$ 27,000
6	Residential Labour Benefits		\$ 16,200
7	Residential Smart Meter Replacements	900	\$ 21,000
8	Residential Material Burden		\$ 3,150
9	MDQA TOU Implementation for IMS & GS		\$ 700,700
Total			\$1,650,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$660,000	\$660,000	\$165,000	\$165,000	\$1,650,000	\$0	\$1,650,000

Prepared:

David Rankin

Accepted:

Tom Wasik

Approved:

Dan Pastorik

ENERSOURCE HYDRO MISSISSAUGA INC.

2012 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: METERING EQUIPMENT **BU:** C0598
DATE PREPARED: November 30, 2011 **TYPE:** METERING EQUIPMENT

SCOPE OF WORK:

New metering installations are a requirement to meet the growth of Enersource customer base. Operation and maintenance of existing metering equipment and back office systems is necessary in order to collect and provide automated meter reading data as the first stage of Enersource's meter to cash process.

This forecast requires that Metering be purchased and installed by the end of the year.

	2012 Projects	Quantity	Cost
1	Residential	600	\$ 45,000
2	Residential Remote Disconnect Meter	400	\$ 56,000
3	New Comm/Ind Metering (>200kW)	250	\$ 220,000
4	New Comm/Ind Metering (< 200 kW)	380	\$ 212,040
5	Reverification Meters	200	\$ 34,600
6	IMS Reverification meters MC5	35	\$ 105,000
7	Modem Replacements - Single Phase	20	\$ 16,000
8	Bar type Current Transformers	200	\$ 25,000
9	Window type Current Transformers	100	\$ 49,700
10	Potential Transformers	395	\$ 50,560
11	Meter Parts, wire, test blocks, cellular modems, etc.		\$ 20,000
12	Primary IT's		\$ 30,000
13	Capital Labour		\$ 315,000
14	Meter Analyzer (Hardware)		\$ 35,100
	Total		\$ 1,214,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$303,500	\$303,500	\$303,500	\$303,500	\$1,214,000	\$0	\$1,214,000

Prepared:

David Rankin

Accepted:

Tom Wasik

Approved:

Dan Pastorik

ENERSOURCE HYDRO MISSISSAUGA INC.
2012 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: WHOLESALE METER (Full Upgrades) **BU:** C0597
DATE PREPARED: November 30, 2011 **TYPE:** WHOLESALE METER
UPGRADES

SCOPE OF WORK:

All wholesale metering installations used for settlement in the Ontario electricity wholesale market must be registered with the Independent Electricity System Operator (IESO) and conform to the specifications outlined in the IESO Market Rules. These metering upgrades are required in order to meet the IESO market rules and Measurement Canada regulations. We have contracted Hydro One to work on these projects.

The projects being considered:

2012 Projects		Cost
1	Cooksville T3 - Q Bus	\$ 242,500
2	Cooksville T4 - J Bus	\$ 242,500
3	Cooksville T5 - B Bus	\$ 242,500
4	Cooksville T6 - Y Bus	\$ 242,500
5	Lorne Park T1 - B Bus	\$ 216,100
6	Lorne Park T1 - J Bus	\$ 141,300
7	Lorne Park T1 - J Bus	\$ 216,100
8	Lorne Park T2 - J Bus	\$ 141,300
9	Erindale T1 - E Bus	\$ 155,700
10	Erindale T1 - Q Bus	\$ 94,100
11	Erindale T2 - E Bus	\$ 155,700
12	Erindale T2 - Q Bus	\$ 94,100
13	Erindale T3	\$ 155,700
14	Erindale T4	\$ 155,700
15	Meadowvale T1 - E Bus	\$ 155,700
16	Meadowvale T2 - Z Bus	\$ 155,700
Total		\$2,807,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$300,000	\$1,200,000	\$507,000	\$800,000	\$2,807,000	\$0	\$2,807,000

Prepared:

David Rankin

Accepted:

Tom Wasik

Approved:

Dan Pastoric

ENERSOURCE HYDRO MISSISSAUGA INC.

2012 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: SUBTRANSMISSION/ DISTRIBUTION BU: C0507
 DATE PREPARED: November 30, 2011 TYPE: OVERHEAD

SCOPE OF WORK:


Growth-driven capital projects ensure the continuation of Enersource's capability to provide a secure and reliable supply of electricity to its customers. Growth is predicted through the combined use of 1) growth projections, 2) historical growth patterns and 3) load forecast models. Projects are designed to increase the capacity of the distribution system by installing new substations and feeders in response to system load growth forecasts.

The projects being considered:

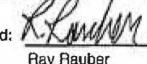
2012 Projects		Cost
1	International Centre System Reconfiguration	\$ 600,000
2	Dundas - Glengarry Rd to Mississauga Road	\$ 500,000
3	McNiece - CNR Relocations	\$ 400,000
4	Revus - CNR Relocations	\$ 700,000
5	The Queensway - Camilla to Hurontario for Melton MS	\$ 400,000
6	Hurontario St and GEW Overpass	\$ 400,000
7	Clarkson Rd - Lakeshore Rd to ROW	\$ 500,000
8	Dundas St - Jaguar Valley to Cawthra Rd	\$ 600,000
9	Ridgeway Drive - Eglinton to Hwy 403	\$ 400,000
Total:		\$ 4,500,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$1,000,000	\$1,250,000	\$1,000,000	\$1,250,000	\$4,500,000	\$0	\$4,500,000

Prepared: 
 Bob Koskocky

Accepted: 
 Doug Morrison

Approved: 
 Ray Rauber

**ENERSOURCE HYDRO MISSISSAUGA INC.
2012 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: SUBSTATION CONSTRUCTION **BU:** C0504
DATE PREPARED: November 30, 2011 **TYPE:** SUBSTATION

SCOPE OF WORK:

Municipal Station (MS) transform power from 44kV to 8/13.8kV or from 16/27.6kV to 2.4/4.16kV. MS's are capital intensive and make up a major component in the electricity distribution system. Impact from a failure of a large capacity MS can be very significant due to the large number of customers affected. The outage duration to an MS failure is typically relatively long due to the amount of switching required to supply customers from other nearby MS's.

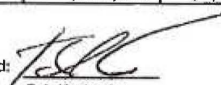
The projects being considered:

2012 Projects		Cost
1	Melton MS upgrades (Installation)	\$ 500,000
2	Substation Site Enhancements	\$ 300,000
3	20 MVA Tx for Erin Mills MS	\$ 300,000
4	Erin Mills MS new 15 & 44 kV switchgear	\$ 550,000
5	Kamato MS 15 kV switchgear upgrades	\$ 100,000
6	Erin Mills MS Building	\$ 2,800,000
7	Erin Mills MS Completion (Ducts, cables, installation & commissioning)	\$ 550,000
8	Aging 5 MVA Tx & HV replacement	\$ 200,000
9	Magnetic Air circuit breaker replacement	\$ 200,000
Total:		\$ 5,500,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$500,000	\$1,000,000	\$1,500,000	\$2,500,000	\$5,500,000	\$0	\$5,500,000

Prepared:


Bob Koskocky

Accepted:


JP Michaud

Approved:


Ray Rauber

**ENERSOURCE HYDRO MISSISSAUGA INC.
2012 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: SUBDIVISION REBUILDS **BU:** C0505
DATE PREPARED: November 30, 2011 **TYPE:** UNDERGROUND

SCOPE OF WORK:

Underground cable failures are a growing concern within Enersource's distribution system. To address this risk Enersource operates a Cable Replacement Program. On an annual basis, the worst performing areas of the underground cable system are identified and refurbishment or replacement are considered. To optimize work efficiencies, underground cables which have had multiple failures are identified and rebuild projects are planned which involve the replacement of the complete underground system including cables, transformers, switchgear and other system components that are near the end of their useful life.

The projects being considered:

2012 Projects		Cost
1	Montevideo Los Palmas Rebuild	\$ 900,000
2	Cederglen Gate Rebuild	\$ 300,000
3	Stainton Drive Rebuild	\$ 150,000
4	Loyalist Main Feeder Rebuild	\$ 700,000
5	Aquitaine and Montevideo Phase 1 Rebuild	\$ 800,000
6	Campobello and Falconer Main Feeder Rebuild	\$ 950,000
7	Robert Spec Pkway Main Feeder Rebuild	\$ 800,000
8	Paisley Blvd and Whaley Drive Rebuild	\$ 1,100,000
9	Aquitaine and Montevideo Phase 2 Rebuild	\$ 1,200,000
10	Sherobee Apartments Rebuilds	\$ 600,000
Total		\$ 7,500,000

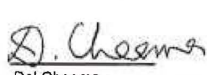
Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$200,000	\$1,500,000	\$2,800,000	\$3,000,000	\$7,500,000	\$0	\$7,500,000

Prepared:


Bob Koskocky

Accepted:


Dal Cheema

Approved:


Ray Rauber

**ENERSOURCE HYDRO MISSISSAUGA INC.
 2012 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: O/H DISTRIBUTION UPGRADES **BU:** C0561
DATE PREPARED: November 30, 2011 **TYPE:** OVERHEAD

SCOPE OF WORK:

The Overhead Rebuild Program is required for maintaining the existing overhead distribution infrastructure and ensuring it is kept at a safe and acceptable performance level. Projects under this program deal with the replacement of the main components of the overhead system including: poles, pole top transformers, switches, conductors and associated overhead hardware such as insulators, fuses and arrestors.


The projects being considered:

2012 Projects		Cost
1	Old Meadowvale Village Overhead Rebuild and Conversion	\$ 430,000
2	Lorne Park Rebuild	\$ 350,000
3	Birchwood Creek Rebuild	\$ 160,000
4	Bremen Lane Rebuild	\$ 120,000
3	Martley Drive Rebuild	\$ 120,000
5	Orchard Rebuild	\$ 80,000
7	Courtland Crescent Rebuild	\$ 240,000
8	Overhead Switch Replacement Program	\$ 400,000
9	Wood & Concrete Pole Replacement Program	\$ 600,000
Total		\$ 2,500,000


Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$500,000	\$800,000	\$500,000	\$700,000	\$2,500,000	\$0	\$2,500,000


Prepared:


 Bob Koskocky

Accepted:


 Paul Sidhu

Approved:


 Ray Rauber

**ENERSOURCE HYDRO MISSISSAUGA INC.
2012 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: U/G DISTRIBUTION MAINTENANCE **BU:** C0565
DATE PREPARED: November 30, 2011 **TYPE:** UNDERGROUND
DISTRIBUTION MTCE

SCOPE OF WORK:

In addition to the main system components such as transformers, switchgears, cables, the underground distribution system also consists of smaller, auxiliary components such as elbows, inserts, lightning arresters, fault indicators. Without these auxiliary accessories, the main components of the system become inoperable; therefore, replacement of this equipment before failure is necessary.

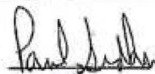
The projects being considered:

2012 Projects		Cost
1	Pad Mounted Switchgear Replacement	\$ 1,200,000
2	Primary Distribution Equipment Replacement	\$ 500,000
3	Underground Cable and Splice Replacement	\$ 1,000,000
4	Secondary Cable Replacements	\$ 100,000
Total		\$ 2,800,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$500,000	\$700,000	\$800,000	\$800,000	\$2,800,000	\$0	\$2,800,000

Prepared: 
Bob Koskocky

Accepted: 
Paul Sidhu

Approved: 
Ray Rauber

ENERSOURCE HYDRO MISSISSAUGA INC.

2012 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: TRANSFORMER REPLACEMENT **BU:** C0563
DATE PREPARED: November 30, 2011 **TYPE:** UNDERGROUND AND OVERHEAD

SCOPE OF WORK:

Distribution transformers are one of the key components of the power system. Their purpose is to lower the primary voltage to secondary voltage levels acceptable to residential, industrial or commercial customers. The most common cause of transformer failure is insulation breakdown. Every year a number of transformers fail which result in outages to customers which are feed from that device. Sometimes transformers are found to be damaged by vehicle accidents or are leaking oil and therefore require changing before they fail.

The projects being considered:

2012 Projects		Cost
1	Pad Mounted Transformer Replacement	\$ 600,000
2	Pole Mounted Transformer Replacement	\$ 400,000
Total		\$ 1,000,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$200,000	\$200,000	\$200,000	\$400,000	\$1,000,000	\$0	\$1,000,000

Prepared:

Bob Koskocky

Accepted:

Paul Sidhu

Approved:

Ray Rauber

**ENERSOURCE HYDRO MISSISSAUGA INC.
 2012 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: PROTECTION & CONTROL UPGRADES **BU:** C0576
DATE PREPARED: November 30, 2011 **TYPE:** OPERATIONS

SCOPE OF WORK:

The Enersource SCADA system (Supervisory Control and Data Acquisition) is a real-time operating system used by the System Control Operator to monitor and control the electrical power grid. The SCADA system has over 15,500 points connected to it that comprises 65 Municipal Substations and over 250 field automated switches. This project involves the installation of automation components to replace end of life assets, installation of new technologies to expedite restoration of outages to our customers, substation security and upgrades to our SCADA Master.

The projects being considered:

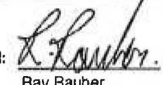
2012 Projects		Cost
1	Replacement of aging load centres with solid dielectric automated L/C	\$500,000
2	Intelliteam deployment project - 28 kV feeder pilot	\$400,000
3	Purchase and installation of aging station and field RTU's	\$250,000
4	Protection relays & RTU for Melton projects	\$100,000
5	SCADA Master upgrades & security improvements	\$125,000
6	5 MVA Tx replacement relays	\$25,000
7	Battery charger & batteries replacement	\$100,000
Total		\$1,500,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$400,000	\$400,000	\$200,000	\$500,000	\$1,500,000	\$0	\$1,500,000

Prepared: 
 Bob Koskocky

Accepted: 
 JP Michaud

Approved: 
 Ray Rauber

ENERSOURCE HYDRO MISSISSAUGA INC.

2012 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: INDUSTRIAL/ COMMERCIAL SERVICES BU: C0542
 DATE PREPARED: November 30, 2011 TYPE: UNDERGROUND AND OVERHEAD

SCOPE OF WORK:

This proposal provides for the installation of new and upgraded services for Industrial/ Commercial customers. Work levels are forecasted from historical data and City of Mississauga forecast and permits. This is customer driven and is sensitive to economic cycles.

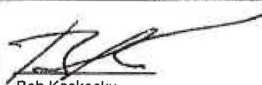
Table below summarizes historical connections:

Number of Industrial/Commercial Services Connected	Actual Connection
2006	500
2007	537
2008	355
2009	397
2010	162
2011 Forecast	300

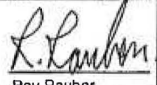
Number of Connections Forecast for 2012	Cost
2012 250	\$3,200,000
Total	\$3,200,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$600,000	\$1,000,000	\$600,000	\$1,000,000	\$1,600,000	\$1,600,000	\$3,200,000

Prepared: 
 Bob Koskocky

Accepted: 
 Dal Cheema

Approved: 
 Ray Rauber

**ENERSOURCE HYDRO MISSISSAUGA INC.
2012 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: NEW SUBDIVISIONS **BU:** C0541
DATE PREPARED: November 30, 2011 **TYPE:** UNDERGROUND AND OVERHEAD

SCOPE OF WORK:

This proposal provides Capital Contribution Refunds (Under Section 3 of the Distribution System Code) to the developers and Enersource's contribution for installation of services for subdivisions including single lots and townhouse buildings. This is driven by economic cycles.

Table below summarizes historical connection:

Number of Residential Services Connected	Actual Connection
2006	3447
2007	1900
2008	3144
2009	2900
2010	1129
2011 Forecast	2500

Number of Connections Forecast for 2012	Cost
2012 2,000	\$2,500,000
Total	\$2,500,000

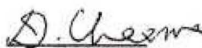
Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$200,000	\$1,000,000	\$300,000	\$1,000,000	\$1,900,000	\$600,000	\$2,500,000

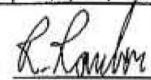
Prepared:


Bob Koskocky

Accepted:


Dal Cheema

Approved:


Ray Rauber

**ENERSOURCE HYDRO MISSISSAUGA INC.
2012 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: ROAD PROJECTS **BU:** C0531
DATE PREPARED: November 30, 2011 **TYPE:** UNDERGROUND AND OVERHEAD

SCOPE OF WORK:

Enersource installs its infrastructure along rights of way that are owned and managed by the City of Mississauga and the Region of Peel. Enersource is required to relocate or reconstruct its facilities in order to accommodate the specific requirements of the road authorities in accordance with Public Service Works on Highways Act. Road works programs are a significant part of plant relocation throughout the City, impacting both overhead and underground distribution plant.

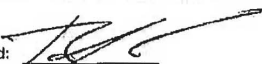
The projects being considered:

2012 Projects	Cost
BRT - Eglinton from Etobicoke Creek to Satellite	
BRT - Eglinton - Satellite Drive to Orbitor Drive	
BRT - Eglinton - Orbitor Drive to Commerce Boulevard	\$ 750,000
BRT - Winston Churchill Boulevard to Erin Mills	
Dixie Road and Shawson Drive	
Dixie Road and Midway Boulevard Intersection Improvement	
Dixie Road and Queensway Intersection Improvement	\$ 500,000
Confederation Parkway and Queensway	
Creekbank Road Extension	
Burnhamthorpe Road East Widening	
Caravelle Drive Realignment	\$ 750,000
Bristol Road Bike Lanes	
Other Miscellaneous Projects	
Total	\$ 2,000,000

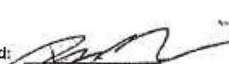
Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$600,000	\$600,000	\$400,000	\$400,000	\$1,400,000	\$600,000	\$2,000,000

Prepared:


Bob Koskocky

Accepted:


Doug Morrison

Approved:


Ray Rauber

ENERSOURCE HYDRO MISSISSAUGA INC.

2012 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: GREEN ENERGY - FIT/MicroFIT

BU: C0900

DATE PREPARED: November 30, 2011

TYPE: FIT and MicroFIT

SCOPE OF WORK:

Enacted in May 2009, the Green Energy and Green Economy Act ("GEA") was introduced to encourage renewable generation, energy conservation and the creation of green jobs. A key GEA element to enable renewable generation is the Ontario Power Authority's ("OPA") Feed-in Tariff ("FIT").

Number of Connections Forecast 2012		Cost
2012	FIT - 16	\$ 282,000
	MicroFIT - 48	
	Total	\$ 282,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$32,000	\$50,000	\$100,000	\$100,000	\$175,000	\$107,000	\$282,000

Prepared:

Bob Koskocky

Accepted:

Dal Chaema

Approved:

Ray Rauber

**ENERSOURCE HYDRO MISSISSAUGA
2012 CAPITAL BUDGET PROJECT PROPOSAL**

PROJECT: ROLLING STOCK **BU:** C0584
DATE PREPARED: November 30, 2011 **TYPE:** ROLLING STOCK

SCOPE OF WORK:

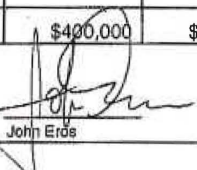
Enersource requires a fleet of specialized and non-specialized vehicles to complete daily activities including the construction and maintenance of the electrical distribution system. They provide for quick restoration of power due to electrical distribution system disturbances. Degradation of fleet assets could jeopardize worker safety and negatively affect electrical distribution system performance and response to outages.

This proposal covers replacements to our rolling stock

Equipment Replacement - 2012		Unit Number	Year	Replacement Cycle	Cost
1	Pool Car	3706	2006	7	\$ 40,000
2	Bucket Truck, single	24502	2002	10	\$ 240,000
3	Step Van	31205	2005	7	\$ 150,000
4	Step Van	31605	2005	7	\$ 150,000
5	Step Van	31705	2005	7	\$ 150,000
6	Dump Truck	31997	1997	15	\$ 90,000
7	3/4 T Pick-up Truck	40605	2005	7	\$ 45,000
8	3/4 T Pick-up Truck	40705	2005	7	\$ 45,000
9	Pick-up Truck	41206	2006	6	\$ 35,000
10	3/4 T Pick-up Truck w. utility body	41704	2004	8	\$ 60,000
11	3/4 T Pick-up Truck	42405	2005	7	\$ 45,000
12	3/4 T Pick-up Truck w. utility body	42504	2004	8	\$ 60,000
13	3/4 T Pick-up Truck w. utility body	43304	2004	8	\$ 60,000
14	3/4 T Pick-up Truck	43405	2005	7	\$ 45,000
15	3/4 T Pick-up Truck	43805	2005	7	\$ 45,000
16	3/4 T Pick-up Truck	45005	2005	7	\$ 45,000
17	3/4 T Pick-up Truck	45104	2004	8	\$ 45,000
18	Pick-up Truck	45407	2007	5	\$ 40,000
19	Pick-up Truck	45507	2007	5	\$ 40,000
20	Pick-up Truck	45607	2007	5	\$ 40,000
21	Pick-up Truck	45707	2007	5	\$ 40,000
22	Pool Car	52106	2006	6	\$ 40,000
23	Pool Car	52206	2006	6	\$ 40,000
24	Cargo Van	52305	2006	7	\$ 50,000
25	Cargo trailer	94398	1998	14	\$ 25,000
26	Cargo trailer	94498	1998	14	\$ 25,000
27	Forklift	96990	1990	22	\$ 35,000
28	Vehicle & Equipment Refurbishment				\$ 50,000
29	Hydraulic Tools/Service Equipment				\$ 59,000
Total					\$ 1,834,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$400,000	\$500,000	\$500,000	\$434,000	\$1,834,000	\$0	\$1,834,000

Prepared: 
John Eros

Accepted: 
Bob Koskocky

Approved: 
Ray Rauber

ENERSOURCE HYDRO MISSISSAUGA INC.

2012 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: MAJOR TOOLS **BU:** C0595
DATE PREPARED: November 30, 2011 **TYPE:** UNDERGROUND AND OVERHEAD

SCOPE OF WORK:

In order to maintain and operate an electrical distribution system as well as the operation of a fleet of over 200 vehicles, investment in quality tools is paramount.

Replacement or purchase of major tools may include:

2012	Cost
Grounding Materials	
Sensorlink Ampstick	
Compression connector presses	
Phasing Sticks	
Load Bust Tools	
Battery Tools - presses, cutters	\$ 175,000
Protection Relay Test Set	
Travellers	
Concrete bucket	
Mud tracks	
Locates equipment	
Total	\$ 175,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$30,000	\$30,000	\$40,000	\$75,000	\$175,000	\$0	\$175,000

Prepared:

Bob Koskocky

Accepted:

Doug Morrison

Approved:

Ray Rauber

ENERSOURCE HYDRO MISSISSAUGA INC.

2012 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: INFORMATION TECHNOLOGY

BU: C0585

DATE PREPARED: November 30, 2011

TYPE: INFORMATION TECHNOLOGY

SCOPE OF WORK:

The mandate of the Information Technology department is to maintain a highly effective and reliable computer infrastructure, providing services to the organization

The projects being considered:

2012 Projects		Cost
1	SharePoint Upgrade	\$ 100,000
2	Business Process Optimizations, Electronic Workflows, Project Sites	\$ 50,000
3	Compliance Initiatives for Accessibility, Security, Privacy and Other Regulations	\$ 50,000
4	MS True up plus additional desktop software requests	\$ 80,000
5	Cyclical Refresh of Desktop Computers -EndPoint	\$ 300,000
6	Hardware Requirements for Upgrades, New Projects & Growth	\$ 110,000
7	SAN Upgrade & Additional Requirements	\$ 350,000
8	Refresh/Upgrade of the PBX & ACD Systems	\$ 460,000
Total		\$ 1,500,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2011	\$300,000	\$300,000	\$500,000	\$400,000	\$1,500,000	\$0	\$1,500,000

Prepared:

Dharmesh Khatri

Accepted:

Director I.T.

Approved:

Dir. Pastorio

ENERSOURCE HYDRO MISSISSAUGA INC.

2012 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: ENTERPRISE RESOURCE PLANNING SYSTEM **BU:** C0588
DATE PREPARED: November 30, 2011 **TYPE:** INFORMATION TECHNOLOGY

SCOPE OF WORK:

J.D. Edwards (JDE) is in the Enterprise Resource Planning (ERP) family of software packages. It is a modular, scalable and integrated information management software system that facilitates the flow of information across the different divisions of Enersource.

The projects being considered:


2012 Projects		Cost
1	Absence Management & Employee Self Time Entry	\$ 300,000
2	Work Order Estimating	\$ 150,000
3	Budgeting and Planning	\$ 300,000
4	Business Process Automations, Requisition Electronic Approvals/Controls and Integration Initiatives	\$ 150,000
5	Data Security, Management and Reporting Initiatives	\$ 150,000
6	Asset Management Application Integration – Barcoding	\$ 100,000
7	JDE – AM/FM Asset Management Application Integration, Phases 1	\$ 290,000
Total		\$ 1,440,000

Notes:

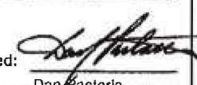
1. JDE – AM/FM Joint Projects Budget (6 and 7) to be shared by C0588 (JDE) and C0581 (E&A Systems)
2. Scope and Requirements for project number 7 to be determined by Asset Management Plan

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$300,000	\$400,000	\$440,000	\$300,000	\$1,440,000	\$0	\$1,440,000

Prepared: 
Ken Yeh

Accepted: _____
Director I.T

Approved: 
Dan Pastoric

ENERSOURCE HYDRO MISSISSAUGA INC.

2012 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: ENGINEERING & ASSET SYSTEMS

BU: C0581

DATE PREPARED: November 30, 2011

TYPE: INFORMATION TECHNOLOGY

SCOPE OF WORK:

The Engineering and Asset Systems capital budget provides information technology tools to Enersource personnel, primarily in the Engineering and Operations area, in order to assist them in the management of our field assets. These tools include software and hardware for 160 people, including both office and field personnel. The budget assists Enersource in improving efficiency and reliability, reducing costs, and ensuring the safety of our crews and the public.

The projects being considered:

2012 Projects		Cost
1	Upgrade Field Computers, Workstations, Servers, Plotters	\$ 160,000
2	Engineering Analysis Additional Software Licenses	\$ 25,000
3	IOM Additional Software Licenses	\$ 55,000
4	IOM Phase II	\$ 420,000
5	IOM Historian, Calculation, Trending Software Implementation	\$ 220,000
6	AM/FM/GIS and SPF Software Upgrades	\$ 130,000
7	IOM Predictive Maintenance and Reliability Projects	\$ 95,000
8	AM/FM/GIS Predictive Maintenance and Asset Planning Initiatives	\$ 95,000
Total		\$ 1,200,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$350,000	\$250,000	\$200,000	\$400,000	\$1,200,000	\$0	\$1,200,000

Prepared: Amy Hime
 Amy Hime

Accepted: _____
 Director I.T.

Approved: Dan Pastoric
 Dan Pastoric

ENERSOURCE HYDRO MISSISSAUGA INC.

2012 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: BUILDING ADDITION BU: C0592
 DATE PREPARED: November 30, 2011 TYPE: ADDITIONAL BUILDINGS

SCOPE OF WORK:

Enersource presently has all of its business function located at 3240 Mavis Road in Mississauga. This includes all Operations and Administration. Over the past two years, Enersource recognized the need to address the problems created from the lack of office space, lack of meeting room locations, lack of large equipment storage and lack of fleet parking area. The proposed alternatives were as follows: construct a building addition to our 3240 Mavis Road facility or acquire/construct a new facility in the North-West area of Mississauga and transfer all Administration function to it. The new building will be either an existing building or a newly constructed building.

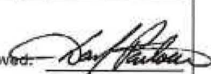
2012 Projects		Cost
1	New Building addition	\$ 8,000,000
Total		\$ 8,000,000

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$3,000,000	\$3,000,000	\$1,000,000	\$1,000,000	\$8,000,000	\$0	\$8,000,000

Prepared: 
 J.P. Michaud

Accepted: 
 Ray Rauber

Approved: 
 Dan Pastoric

ENERSOURCE HYDRO MISSISSAUGA INC.

2012 CAPITAL BUDGET PROJECT PROPOSAL

PROJECT: GROUNDS & BUILDINGS **BU: C0591**
DATE PREPARED: November 30, 2011 **TYPE: GROUNDS & BUILDINGS**

SCOPE OF WORK:

Capital expenditures are required to acquire and maintain Enersource workspaces and service facilities to acceptable standards. The existing facility at 3240 Mavis Road presently has approximately 400 employees and growing and the Facility is comprised of three sections aging from 20 to 48 years old.

Improvement being considered:

2012 Projects		Cost
1	HVAC Upgrades	\$ 100,000
2	Electrical panel upgrades	\$ 50,000
3	Plumbing & Sprinkler system upgrades	\$ 150,000
4	Site security monitoring	\$ 50,000
5	Energy efficiency upgrades	\$ 100,000
6	Fencing and lot paving	\$ 100,000
7	Erin Mills BCM building*	\$ 1,800,000
8	Outside building refinishing along warehouse	\$ 150,000
Total		\$ 2,500,000

* Note: As part of Enersource's BCM plan it has planned to build BCM functionality at the Erin Mills MS Building

Estimated Annual Expenditure

Year	Q1	Q2	Q3	Q4	Funds Provided by Board	Funds Provided by Others	Board Approved Total
2012	\$500,000	\$500,000	\$800,000	\$700,000	\$2,500,000	\$0	\$2,500,000

Prepared:

Bob Koskocky

Accepted:

J.P. Michaud

Approved:

Ray Rauber

Undertaking No. JT1.8

To determine whether the two projects are going forward, and whether the contribution is going to be integrated into the application. P. 97

Response:

As stated in the GEA Plan, at page 12 of Exhibit 2 Tab 2 Schedule 3 Appendix 1, Enersource received two requests in 2011 from customers that required system expansion. Therefore, as per the DSC, Enersource provided an Offer-To-Connect ("OTC") in October 2011 to "Project A" and in August 2011 to "Project B". A brief summary of both OTCs is presented on the same page of the referenced document.

To date, neither customer has accepted the OTC.

The breakdown of costs for both projects, as estimated at the time of the OTCs, is as follows (\$000s):

	Total Cost	Customer Contribution	Net Expenditures
Project A	358	(223)	135
Project B	278	(233)	45

Enersource has not included either the total cost or the customer contributions of these projects in its capital expenditures projected for 2012 to 2014.

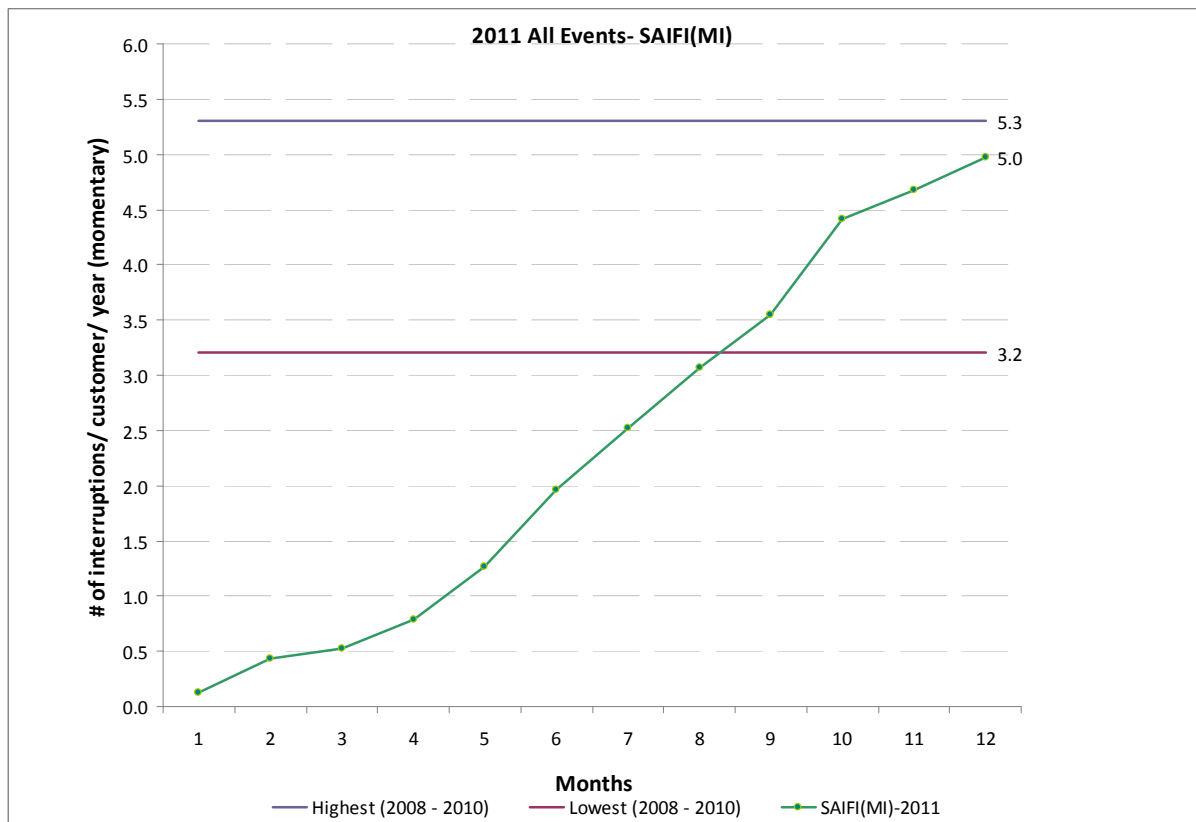
Undertaking No. JT1.9

To provide the percentage of industrial clients who are significantly bothered by outages of less than a minute. P. 108

Response:

As per Mr Crocker's question on P. 107, lines 22 to 24, the undertaking as understood by Enersource is to provide a graph of interruptions lasting less than one minute in a manner similar to the graphs for SAIFI as found in Exhibit 2 Tab 3 Schedule 1 page 5 of 16.

Below is a graph of the 2011 momentary interruption (less than one minute) index, SAIFI (in minutes, mi), with reference to the 3-year historical range (2008 to 2010).



Undertaking No. JT1.10

To determine the type of employee that has left the company. P. 113

Response

Voluntary Resignations

Does not include retirements or involuntary terminations.

Year	Inside Union	Outside Union	Non Union	Total Voluntary Resignations
2007	1	3	9	13
2008	2	1	4	7
2009	0	1	3	4
2010	2	5	0	7
2011	2	5	5	12
Total	7	15	21	43

Termination Date	Position	Category
2011	AMI Systems Specialist	Non-Union
2007	Executive Admin Assist	Non-Union
2009	Facilities Supervisor	Non-Union
2007	Financial Analyst	Non-Union
2007	General Counsel	Non-Union
2008	Legal Secretary	Non-Union
2011	Manager, Meter Data	Non-Union
2008	Manager, Rates & Regulatory	Non-Union
2008	Marketing & Communication Specialist	Non-Union
2009	Payroll Analyst	Non-Union
2011	Quality Assurance Analyst	Non-Union
2008	Regulatory Affairs Advisor	Non-Union

2011	Regulatory Affairs Advisor	Non-Union
2007	Senior Programmer Analyst	Non-Union
2009	Senior Programmer Analyst	Non-Union
2007	Settlement Engineer	Non-Union
2011	Sr. Communication Specialist	Non-Union
2007	Sr. Manager Project Analysis	Non-Union
2007	Sr. Manager Engineering and Operations	Non-Union
2007	System Planning Engineer	Non-Union
2007	Trouble & Locates Supervisor	Non-Union
2011	Journeyman Cableman	O – Union
2007	Journeyman Lineman	O – Union
2009	Journeyman Lineman	O – Union
2010	Journeyman Lineman	O – Union
2010	Journeyman Lineman	O – Union
2010	Journeyman Lineman	O – Union
2010	Journeyman Lineman	O – Union
2011	Journeyman Lineman	O – Union
2011	Journeyman Lineman	O – Union
2011	Journeyman Lineman	O – Union
2011	Journeyman Lineman	O – Union
2008	Lineman Apprentice	O – Union
2007	Lineman, Apprentice	O – Union
2010	Meter Technician Apprentice	O – Union
2007	Substation Technician 4th year	O – Union
2010	Customer Service Rep	I – Union
2011	Design Technician 1	I – Union
2011	Design Technician 1	I – Union
2008	Engineering Technician	I – Union
2008	Engineering Technician	I – Union
2010	Office Services Clerk	I – Union
2007	Treasury Clerk	I – Union

Specialized - Difficult to fill

Undertaking No. JT1.11

To provide entire Williamson Group Report. P. 119

Response:

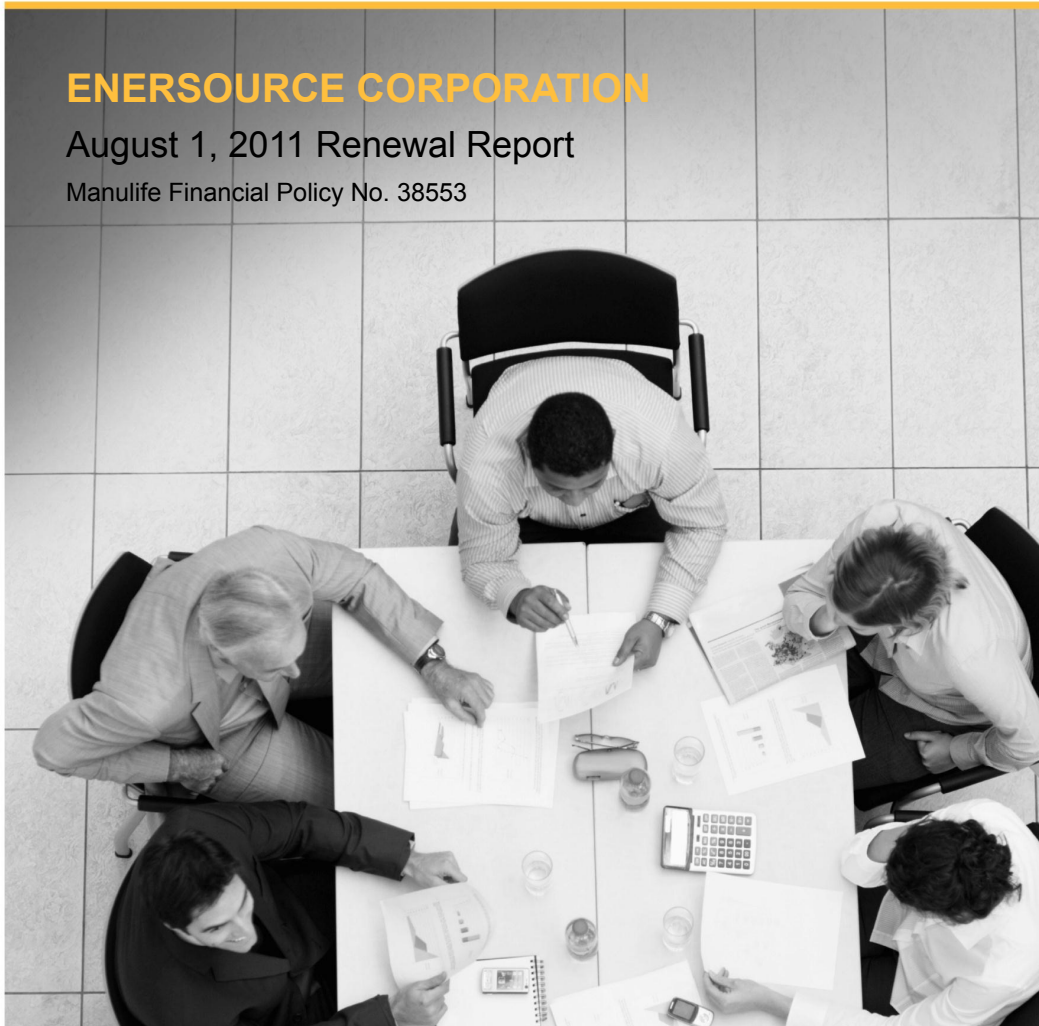
Please find attached the Williamson Group Report, redacted in part on pages 9 and 10, for irrelevant information.



ENERSOURCE CORPORATION

August 1, 2011 Renewal Report

Manulife Financial Policy No. 38553



HEALTH AND WEALTH SOLUTIONS



HEALTH AND
WEALTH SOLUTIONS

Contents

Section 1	Executive Summary
Section 2	Long Term Disability
Section 3	Financial Overview
Section 4	Extended Health Care
Section 5	Dental Care



HEALTH AND
WEALTH SOLUTIONS

SECTION 1 | EXECUTIVE SUMMARY

The information within this report refers to the August 1, 2011 renewal of your Group Life and Health benefit plan with Manulife Financial, Policy No. 38553. The period under review is April 1, 2010 to March 31, 2011.

As per the illustration below Manulife Financial has proposed increasing the current in force monthly premium by 14.1% or approximately \$28,327 per month. Negotiations with Manulife Financial have resulted in an increase of 6.2% or approximately \$12,380 per month. *Note that these premiums are based on the enrolment levels at the time the renewal was produced.*

Benefit	Volume	Current	Proposed	% Change	Negotiated	% Change
Long Term Disability	1,748,491	44,900	61,603	37.2%	57,156	27.3%
Extended Health Care	451	94,210	104,667	11.1%	94,334	0.1%
Dental Care	450	61,434	62,601	1.9%	61,434	0.0%
Total Monthly Premium		\$ 200,544	\$ 228,871	14.1%	\$ 212,924	6.2%

The table below illustrates the changes that were implemented effective August 1, 2010.

Benefit	Volume	Current	Proposed	% Change	Implemented	% Change
Long Term Disability	1,641,524	42,456	42,456	5.2%	42,456	0.0%
Extended Health Care	414	88,223	95,765	2.4%	88,223	0.0%
Dental Care	438	60,019	64,940	5.7%	60,019	0.0%
Total Monthly Premium		\$ 190,698	\$ 203,162	4.0%	\$ 190,698	0.0%

Effective April 1, 2011 your plan moved from the Liberty Health platform to the Manulife Financial platform. This resulted in a change in policy numbers and some amalgamation of the rates between the divisions.

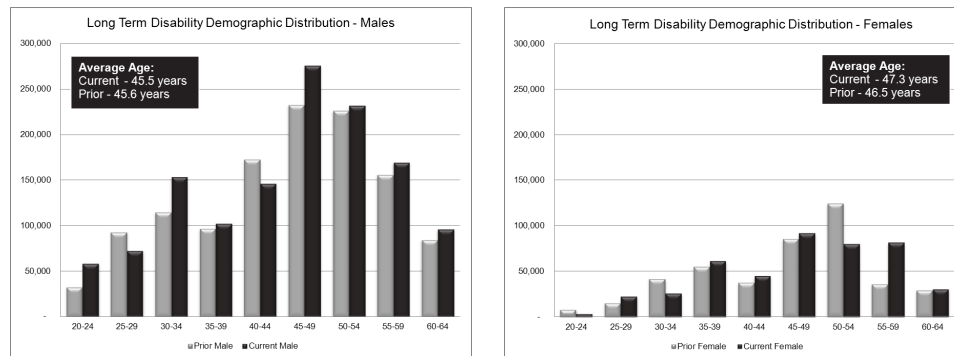


HEALTH AND
WEALTH SOLUTIONS

SECTION 2 | LONG TERM DISABILITY

DEMOGRAPHIC INFORMATION

The tables below illustrate the demographic changes that have taken place for the male and female populations of your group over the past year.



The average age of the entire group (males and females combined) has remained stable at 45.9 years. The total number of employees covered for the Long Term Disability benefit has increased from 371 to 374.

CLAIMANT INFORMATION

There were three new claims submitted during the period under review. In addition to these new claims there are an additional seven active claims for a total of 10 active claims as of March 31, 2011. Disabled Life reserves in the amount of \$1,429,890 are being held for these claimants. Paid claims during the period totaled \$397,761, an increase of 53.2% over the prior period.



HEALTH AND
WEALTH SOLUTIONS

RENEWAL RATE ACTION

Manulife Financial has proposed an increase of 37.2% to the current Long Term Disability rates. This would be an increase of \$16,703 in monthly premium. Our analysis of the claims experience over the last five years, with 36.2% being given to your own experience indicates that the proposed rate increase is not reasonable.

Long Term Disability Rating Analysis	
Adjusted Premium	\$ 2,074,061
Claims Cost	
*Paid Claims	640,236
*Disabled Life Reserves	1,429,890
*IBNR	153,243
Total Claims Cost	\$ 2,223,369
Loss Ratio	107.2%
Expenses	9.9%
Demographic Adjustment	1.174
Credibility	36.2%
Loss Ratio Adjusted for Expenses, Demographics and Credibility	122.7%
Required Rate Adjustment	22.7%

Manulife Financial has agreed to an increase of 27.3% or \$12,256 monthly. They have indicated that they are not in a position to implement our calculated rate adjustment.



HEALTH AND
WEALTH SOLUTIONS

SECTION 3 | FINANCIAL OVERVIEW

ANNUAL FINANCIAL REVIEW

We have reviewed the annual financial statement from Manulife Financial. During our review process we noticed some discrepancies in the numbers. We have contacted Manulife Financial to help us understand the numbers and will review them with you when we are confident they are correct. Based on the information received to date we are estimating that the year ending March 31, 2011 finished in a surplus position of approximately \$126,000.

RETENTION CHARGES

Manulife Financial has confirmed that the current retention charges will remain in force for the policy period beginning April 1, 2011.

RETENTION CHARGES			
Expense Factor	Current Charges	Effective April 1, 2011	Basis
General Administration	2.75%	2.75%	of paid premium
Claims Administration	4.00%	4.00%	of paid Health claims
	4.00%	4.00%	of paid Dental claims
Risk Charge	0.85%	0.85%	of paid premium
Profit Charge	0.83%	0.83%	of paid premium
Premium Tax	2.00%	2.00%	of paid premium



HEALTH AND
WEALTH SOLUTIONS

SECTION 4 | EXTENDED HEALTH CARE

RENEWAL RATE ACTION

Manulife Financial proposed an increase of 11.1% to the combined Extended Health Care rates. Negotiations for lower rate increases resulted in the current rates remaining in force effective August 1, 2011.

Our analysis (shown below) indicates that an increase of up to 9.4% would have been reasonable.

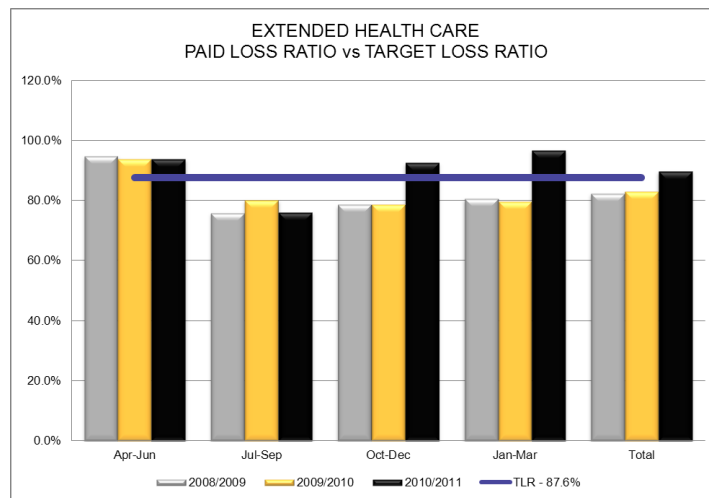
EXTENDED HEALTH CARE ANALYSIS						
	Hospital		Vision		Drugs	Combined
Current Monthly Premium		4,393		11,700	76,876	92,968
Net Monthly Premium	\$	4,393	\$	11,700	\$ 76,876	\$ 92,968
Claims Paid		38,037		145,209	792,799	976,045
Change in IBNR		154		3,695	(216)	3,633
Expenses	12.4%	4,736	12.4%	18,464	12.4%	98,280
Expected Inflation	0.0%	-	0.0%	-	13.3%	118,782
Projected Monthly Claims	\$	3,577	\$	13,947	\$ 84,137	\$ 101,662
Calculated Rate Change		-18.6%		19.2%	9.4%	9.4%



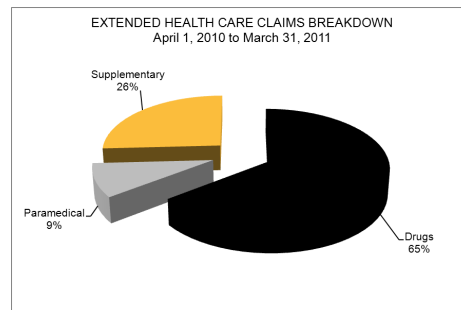
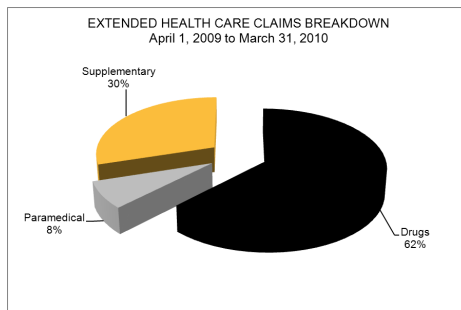
HEALTH AND
WEALTH SOLUTIONS

EXPERIENCE REVIEW

The Extended Health Care experience ran just slightly above target for the period under review.



The charts below provide a breakdown of the major Extended Health Care categories and the percentages of total Extended Health Care claims they represented during the last two periods. We will look at each of these categories independently in the pages following.

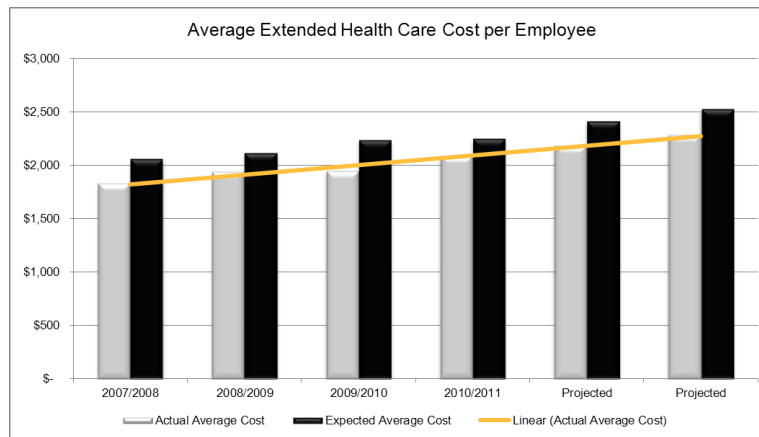




HEALTH AND WEALTH SOLUTIONS

The chart below illustrates the average extended health care cost per employee (employee, spouse and dependents combined) for the past four years as well as projects the upcoming two years based on historical trend.

- The insurance industry expects that extended health care spending will increase by 15% year over year.
- Your employee cost has been much lower than industry expectations at an average of 4.6% over the four year period.





HEALTH AND
WEALTH SOLUTIONS

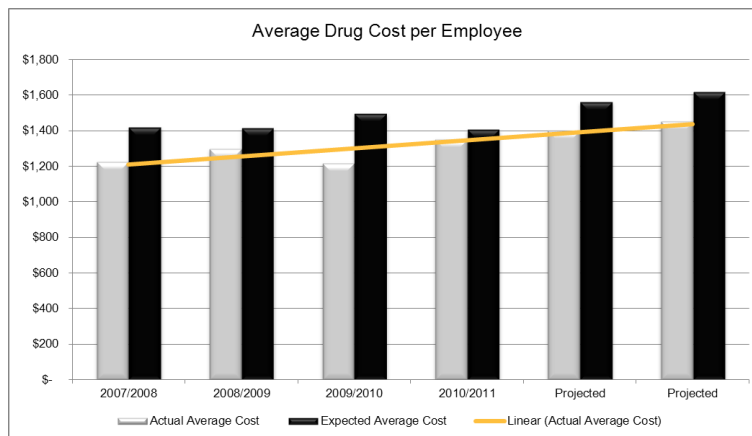
PRESCRIPTION DRUG REVIEW

Drugs represented 65% of the total Extended Health Care claims.

- There were 7,449 paid drug claims (prior year 8,789).
- The average number of prescriptions per employee (employee, spouse and dependents combined) was 17 (prior year 20).
- The average cost per script was \$80.20 (prior year \$59.53).
- The average dispensing fee was \$9.29 (prior year \$9.71).

The chart below illustrates the average drug claim per employee (employee, spouse and dependents combined) for the past four years as well as projects the upcoming two years based on historical trend.

- Your cost per employee has been up and down over the past four years averaging 3.6% (11.1% in the most recent period).

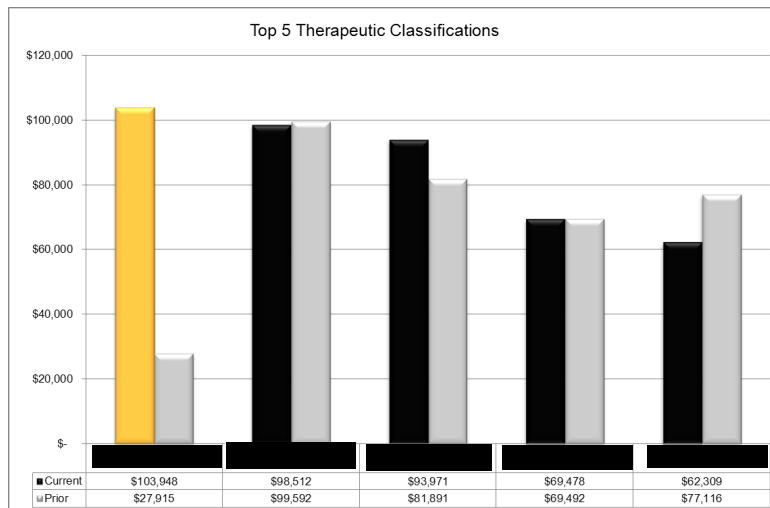




HEALTH AND
WEALTH SOLUTIONS

The top five therapeutic classifications during the period under review are shown in the chart below. The amount paid for these classifications last year are also shown.

- [REDACTED] have seen a large spike in claiming over last year (up \$76,033 over last year) – they did not appear in the top five last year.
- [REDACTED] and [REDACTED] remained stable when compared to last year.
- The top five classifications represent 71.7% of the drug claims paid.

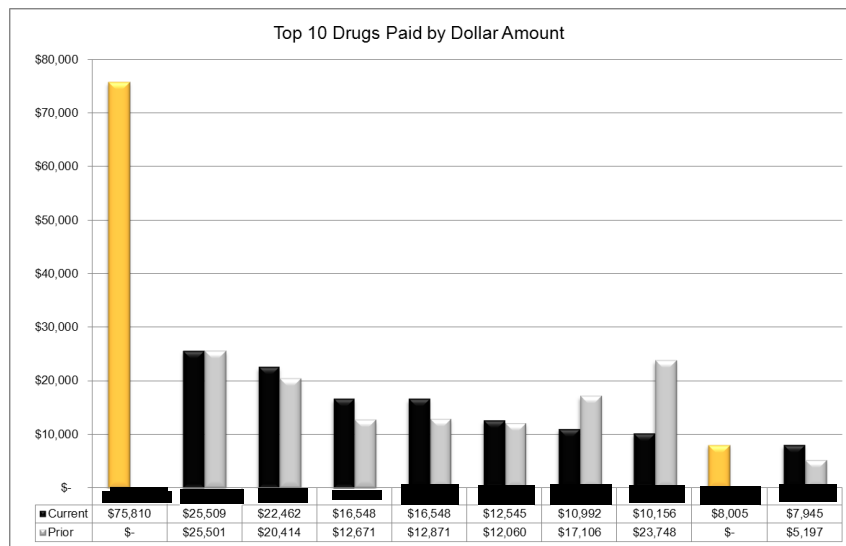




HEALTH AND
WEALTH SOLUTIONS

The top 10 drugs by amount paid are shown below. The amount paid for these same drugs during the prior period are also shown.

- [REDACTED] a drug used in the treatment of [REDACTED] is new to the listing this year and accounts for 13% of paid drug claims (this drug continues to appear on the drug listing post March 31, 2011).
- [REDACTED] all have average costs per script of greater than \$1,500.
- The top 10 drugs represent 35% of paid drug claims.



The following are the current Rx drugs in your top 10 that have recently come off or are scheduled to come off patent protection.

- [REDACTED] (2010); [REDACTED] (2010); [REDACTED] (2012); [REDACTED] (2014).

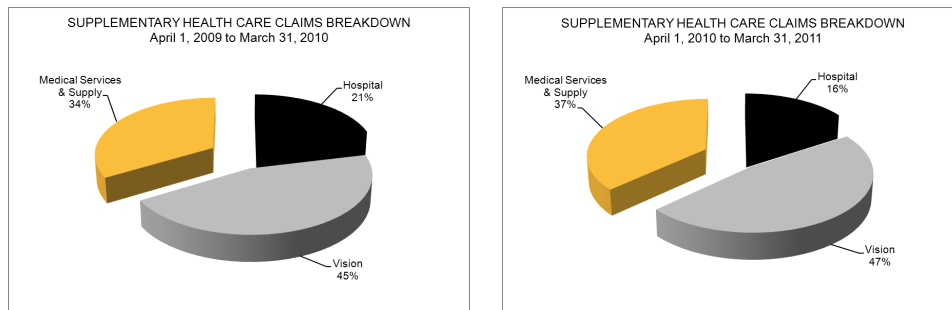


HEALTH AND
WEALTH SOLUTIONS

SUPPLEMENTARY HEALTH CARE REVIEW

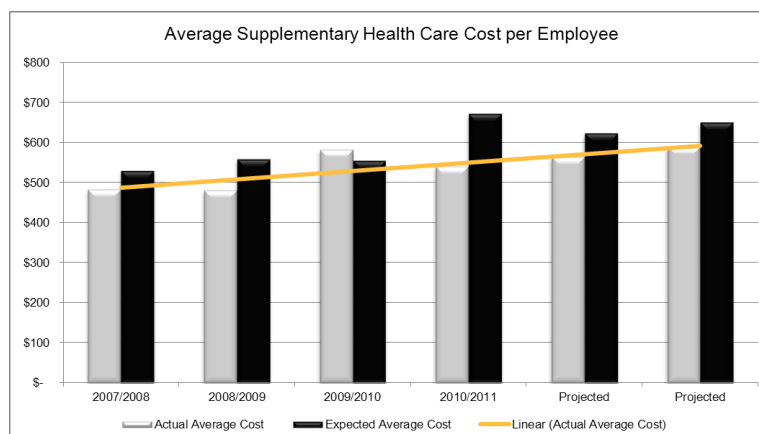
Supplementary Health Care claims represented 26% of the Extended Health Care claims paid (down from 30% in the prior period). The charts below provide a breakdown of the categories that fall under the Supplementary Health Care benefit and the percentage of total Supplementary Health Care claims they represented during the period.

- The majority of the Medical Services and Supply claims are for Orthotics.



The chart below illustrates the average supplemental health care cost per employee (employee, spouse and dependents combined) for the past four years as well as projects the upcoming two years based on historical trend.

- Your employee costs have been averaging an increase of 4.4% over the past four years.

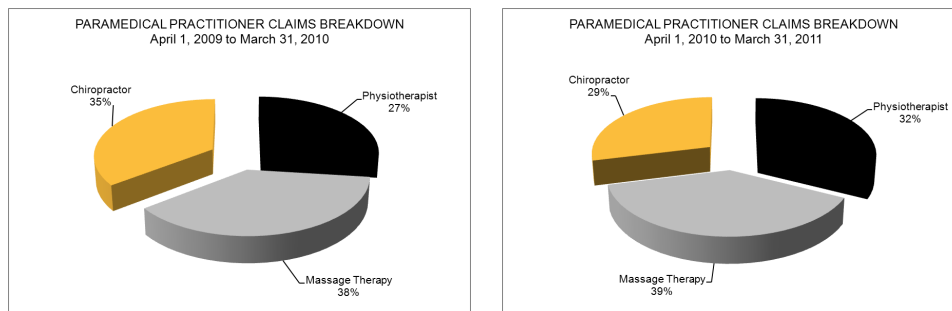




HEALTH AND
WEALTH SOLUTIONS

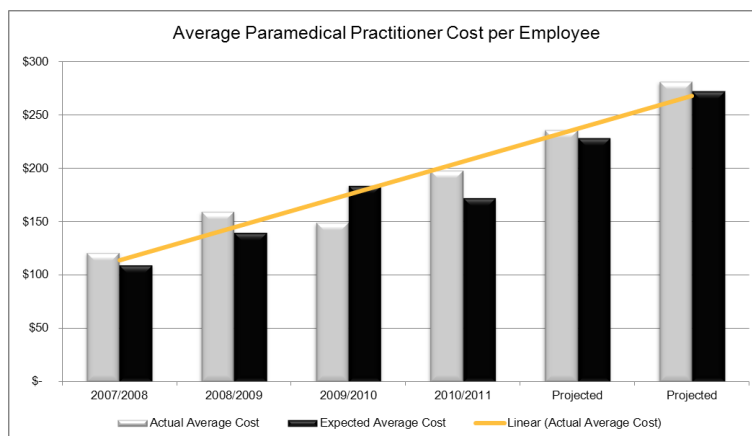
PARAMEDICAL PRACTITIONER REVIEW

Paramedical Practitioner claims represented 9% of the Extended Health Care claims paid (up slightly from 8% last year). The charts below provide a breakdown of the categories that fall under the Paramedical Practitioner benefit and the percentage of total Paramedical Practitioner claims they represented during the last two periods.



The chart below illustrates the average paramedical practitioner cost per employee (employee, spouse and dependents combined) for the past four years as well as projects the upcoming two periods based on historical trend.

- Your employee costs have been sporadic over the last four years, with an increase in costs of 32.8% in the most recent period.





HEALTH AND
WEALTH SOLUTIONS

OUT-OF-COUNTRY AND STOP LOSS POOLING

There is no Large Amount Pooling arrangement on this policy. Pooled premiums cover ManuAssist (where applicable) Private Duty Nursing, Out of Country and Accidental Dental. There were no pooled claims during the period under review.

In light of the claims experience this year we have asked Manulife Financial to provide us with a Large Amount Pooling quote. Once this information is received we will contact you with the details.



HEALTH AND
WEALTH SOLUTIONS

SECTION 5 | DENTAL CARE

RENEWAL RATE ACTION

Manulife Financial proposed an increase of 1.9% to the Dental Care rates. We were able to convince Manulife Financial to hold the current Dental Care rates through to August 1, 2012.

Our analysis (shown below) indicates that an increase of up to 5.3% would have been reasonable.

DENTAL CARE ANALYSIS

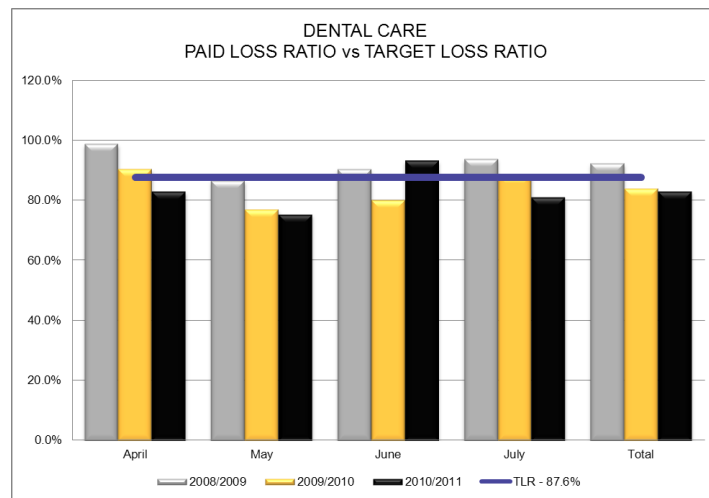
Current Monthly Premium	\$	61,434
Claims Paid		629,605
Change in IBNR		1,268
Expenses	12.4%	78,228
Expected Inflation	9.5%	67,128
Projected Monthly Claims	\$	64,686
Change Required		5.3%



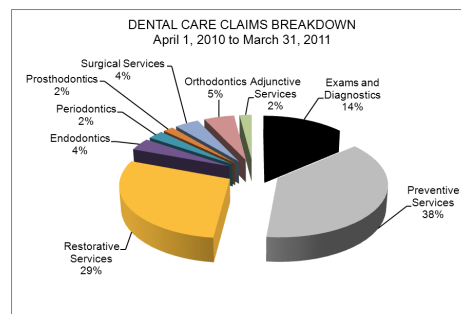
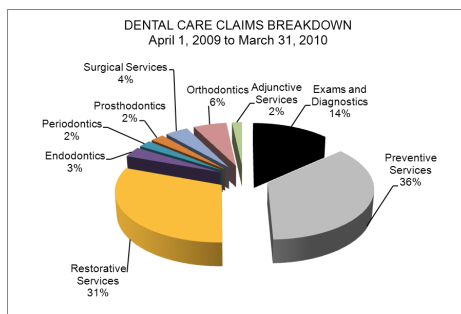
HEALTH AND
WEALTH SOLUTIONS

EXPERIENCE REVIEW

The Dental Care experience ran 4.6% below target for the period under review.



The charts below provide a breakdown of the Dental Care categories and the percentage of total Dental Care claims they represented during the last two periods.

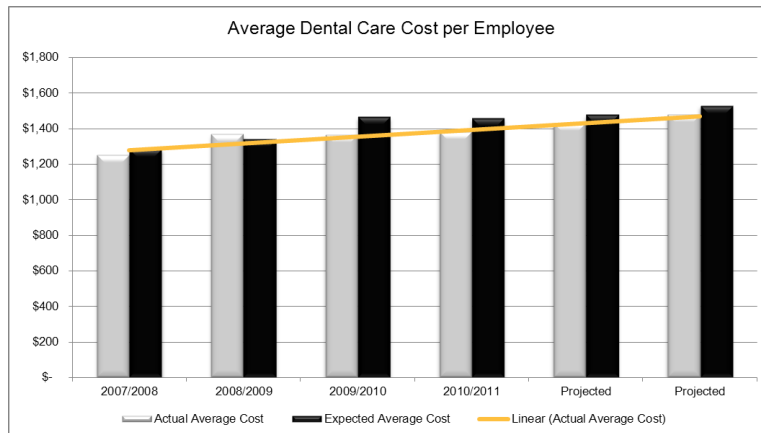




HEALTH AND
WEALTH SOLUTIONS

The chart below illustrates the average dental care cost per employee (employee, spouse and dependents combined) for the past four years as well as projects the upcoming two years based on historical trend.

- The insurance industry expects that dental care spending will rise by approximately 8% per year.
- Your employee costs are averaging 3.4% over the four year period.



Undertaking No. JT1.12

To provide (a) vacancy rates for 2008 and 2013 and (b) actual number of vacancies. P. 146

Response

Please see response to Undertaking No. JT2.2.

Undertaking No. JT1.13

To provide a breakdown of the \$200,000 in legal expenses. P. 54

Response

Estimated Breakdown of Legal Expenses	\$000s
Regulatory Strategy and Legal Advice	16
Drafting of Evidence, Review, and Editing	30
Assistance in Responding to IRs and Undertakings	14
Preparation for the Technical Conference	20
Preparation for the Settlement Negotiations	5
Drafting of the Settlement Agreement	20
Preparation for the Oral Hearing	5
Appearances at all OEB Proceeding Events	60
Drafting Argument	20
Final Submissions	10
Total	\$200

In addition, with respect to regulatory costs, at p. 39 of the transcript from the Technical Conference on July 31, 2012, the following exchange was recorded:

MR. SHEPHERD: Sorry, my question -- and again, I have obviously been inelegant -- my question is: What is the difference between the cost of this proceeding if there is an oral hearing and if there is not an oral hearing?

And I thought you said 225.

MR. MACUMBER: We have estimated the whole process to be 650,000, and the 225 of it is to go to a hearing.

By way of correction, Enersource advises that the estimated amount of \$225 captures costs for all proceeding days at the OEB, which are the Technical Conference, Settlement Conference, Presentation of Settlement Agreement, and Oral Hearing. See also the response to IR # 18, CCC, Issue 4.1.

Undertaking No. JT1.14

To identify the split of costs, the categories of costs proposed to be added in 2014, and see how they are allocated in 2013 to get percentages. P. 172

Response:

Enersource has provided a summary of the Cost Allocation Spreadsheet I.4 BO Assets, in Table 1 (attached). This highlights the variances between the 2013 net fixed assets relied on to derive the current revenue to cost ratios and the requested 2014 average net fixed assets. As shown in Table 1, the impact on revenue to costs ratios in 2014 would be consistent with those relied on in 2013.

Enersource Hydro Mississauga
EB-2012-0033
JT 1.14 Table 1

RATE BASE AND DISTRIBUTION ASSETS

Account	Description	Average NFA 2013	% of Total	Average NFA 2014	% of Total	Difference 2014 less 2013	Difference in %
		Asset net of Accumulated Depreciation and Contributed Capital		Asset net of Accumulated Depreciation and Contributed Capital			
1565	Conservation and Demand Management	-	0%	\$0	0%	\$0	0.0%
1805	Land	-	0%	\$0	0%	\$0	0.0%
1805-1	Land Station >50 kV	-	0%	\$0	0%	\$0	0.0%
1805-2	Land Station <50 kV	-	0%	\$0	0%	\$0	0.0%
1806	Land Rights	-	0%	\$0	0%	\$0	0.0%
1806-1	Land Rights Station >50 kV	-	0%	\$0	0%	\$0	0.0%
1806-2	Land Rights Station <50 kV	-	0%	\$0	0%	\$0	0.0%
1808	Buildings and Fixtures	-	0%	\$0	0%	\$0	0.0%
1808-1	Buildings and Fixtures > 50 kV	-	0%	\$0	0%	\$0	0.0%
1808-2	Buildings and Fixtures < 50 kV	33,645,398	6%	\$38,054,935	7%	\$4,409,537	0.6%
1810	Leasehold Improvements	-	0%	\$0	0%	\$0	0.0%
1810-1	Leasehold Improvements >50 kV	-	0%	\$0	0%	\$0	0.0%
1810-2	Leasehold Improvements <50 kV	-	0%	\$0	0%	\$0	0.0%
1815	Transformer Station Equipment - Normally Primary above 50 kV	-	0%	\$0	0%	\$0	0.0%
1820	Distribution Station Equipment - Normally Primary below 50 kV	-	0%	\$0	0%	\$0	0.0%
1820-1	Distribution Station Equipment - Normally Primary below 50 kV (Bulk)	-	0%	\$0	0%	\$0	0.0%
1820-2	Distribution Station Equipment - Normally Primary below 50 kV Primary)	54,815,398	11%	\$55,700,495	10%	\$885,096	-0.2%
1820-3	Distribution Station Equipment - Normally Primary below 50 kV (Wholesale Meters)	5,600,559	1%	\$5,690,991	1%	\$90,431	0.0%
1825	Storage Battery Equipment	-	0%	\$0	0%	\$0	0.0%
1825-1	Storage Battery Equipment > 50 kV	-	0%	\$0	0%	\$0	0.0%
1825-2	Storage Battery Equipment <50 kV	-	0%	\$0	0%	\$0	0.0%
1830	Poles, Towers and Fixtures	-	0%	\$0	0%	\$0	0.0%
1830-3	Poles, Towers and Fixtures - Subtransmission Bulk Delivery	-	0%	\$0	0%	\$0	0.0%
1830-4	Poles, Towers and Fixtures - Primary	59,566,448	11%	\$62,899,308	12%	\$3,332,860	0.3%
1830-5	Poles, Towers and Fixtures - Secondary	23,348,986	4%	\$24,655,408	5%	\$1,306,422	0.1%
1835	Overhead Conductors and Devices	-	0%	\$0	0%	\$0	0.0%
1835-3	Overhead Conductors and Devices - Subtransmission Bulk Delivery	-	0%	\$0	0%	\$0	0.0%
1835-4	Overhead Conductors and Devices - Primary	10,434,314	2%	\$10,693,017	2%	\$258,703	0.0%
1835-5	Overhead Conductors and Devices - Secondary	4,090,065	1%	\$4,191,472	1%	\$101,407	0.0%
1840	Underground Conduit	-	0%	\$0	0%	\$0	0.0%
1840-3	Underground Conduit - Bulk Delivery	-	0%	\$0	0%	\$0	0.0%
1840-4	Underground Conduit - Primary	25,303,304	5%	\$26,457,096	5%	\$1,153,792	0.1%
1840-5	Underground Conduit - Secondary	8,434,435	2%	\$8,819,032	2%	\$384,597	0.0%
1845	Underground Conductors and Devices	-	0%	\$0	0%	\$0	0.0%
1845-3	Underground Conductors and Devices - Bulk Delivery	-	0%	\$0	0%	\$0	0.0%
1845-4	Underground Conductors and Devices - Primary	106,279,716	20%	\$109,171,927	20%	\$2,892,211	-0.1%
1845-5	Underground Conductors and Devices - Secondary	35,426,572	7%	\$36,390,642	7%	\$964,070	0.0%
1850	Line Transformers	51,179,969	10%	\$49,531,914	9%	(\$1,648,055)	-0.6%
1855	Services	13,644,192	3%	\$14,606,982	3%	\$962,790	0.1%
1860	Meters	31,849,348	6%	\$31,068,556	6%	(\$780,791)	-0.3%

RATE BASE AND DISTRIBUTION ASSETS

Account	Description	Average NFA 2013	% of Total	Average NFA 2014	% of Total	Difference 2014 less 2013	Difference in %
		Asset net of Accumulated Depreciation and Contributed Capital		Asset net of Accumulated Depreciation and Contributed Capital			
1880	IFRS Placeholder Account	-	0%	\$0	0%	\$0	0.0%
Total		463,618,704	89%	477,931,774	89%	14,313,070	

General Plant		Net Asset	% of Total		% of Total	Difference 2014 less 2013	Difference in %
1905	Land	\$ 10,401,532	2%	\$ 9,069,317	2%	(\$1,332,215)	-0.3%
1906	Land Rights	\$ -	0%	\$ 2,332,215	0%	\$2,332,215	0.4%
1908	Buildings and Fixtures	\$ -	0%	\$ -	0%	\$0	0.0%
1910	Leasehold Improvements	\$ -	0%	\$ -	0%	\$0	0.0%
1915	Office Furniture and Equipment	\$ 3,692,659	1%	\$ 4,266,164	1%	\$573,505	0.1%
1920	Computer Equipment - Hardware	\$ 3,233,153	1%	\$ 2,485,388	0%	(\$747,765)	-0.2%
1925	Computer Software	\$ 19,297,140	4%	\$ 19,406,440	4%	\$109,299	-0.1%
1930	Transportation Equipment	\$ 6,820,706	1%	\$ 7,173,399	1%	\$352,692	0.0%
1935	Stores Equipment	\$ -	0%	\$ -	0%	\$0	0.0%
1940	Tools, Shop and Garage Equipment	\$ 1,028,607	0%	\$ 1,022,853	0%	(\$5,754)	0.0%
1945	Measurement and Testing Equipment	\$ -	0%	\$ -	0%	\$0	0.0%
1950	Power Operated Equipment	\$ -	0%	\$ -	0%	\$0	0.0%
1955	Communication Equipment	\$ -	0%	\$ -	0%	\$0	0.0%
1960	Miscellaneous Equipment	\$ -	0%	\$ -	0%	\$0	0.0%
1970	Load Management Controls - Customer Premises	\$ -	0%	\$ -	0%	\$0	0.0%
1975	Load Management Controls - Utility Premises	\$ -	0%	\$ -	0%	\$0	0.0%
1980	System Supervisory Equipment	\$ 11,554,759	2%	\$ 12,455,873	2%	\$901,114	0.1%
1990	Other Tangible Property	\$ -	0%	\$ -	0%	\$0	0.0%
2005	Property Under Capital Leases	\$ -	0%	\$ -	0%	\$0	0.0%
2010	Electric Plant Purchased or Sold	\$ -	0%	\$ -	0%	\$0	0.0%
Total		56,028,557	11%	58,211,649	11%	2,183,092	

Grand Total	\$519,647,261	100%	\$536,143,423	100%	\$16,496,162
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Undertaking No. JT1.15

To provide the rate of return for the shareholder from 2009 to 2012, as well as the regulated rate, both the actual rate on the actual equity and the deemed rate on the deemed equity. P. 180

Response:

The actual and deemed regulated shareholder rate of return for 2009 to 2011 are shown in the table below. The actual rate of return for 2012 will not be known until year end.

Actual Shareholder Rate of Return			
	CGAAP 2009	CGAAP 2010	MIFRS 2011
Actual Net Income ¹	15,507	14,353	17,250
Actual Equity ^{1,2}	200,091	204,342	209,759
Actual RoR Shareholder	7.75%	7.02%	8.22%
<p>1. Net income and equity have been adjusted to exclude conservation and demand management revenue and expense, smart meter net income and other non-utility expenses</p> <p>2. Equity has been calculated using an average of opening and closing values</p>			
Deemed Shareholder Rate of Return			
	CGAAP 2009	CGAAP 2010	MIFRS 2011
Deemed Net Income	16,405	21,464	21,513
Deemed Equity	204,800	217,909	224,557
Deemed RoR Shareholder	8.01%	9.85%	9.58%

Undertaking No. JT1.16

To produce a model showing how graph would look if all classes were as close as possible to unity, with bill impacts at revenue-to-cost ratio of 100 percent included. P. 185

Response:

See Attachment 1 for the updated Appendix O based on a revenue to cost ratio of 1:1 for all classes.

See Attachment 2 for bill impacts based on a revenue to cost ratio of 1:1 for all classes.

Appendix 2-O Cost Allocation

Enersource Mississauga Hydro's previous Cost Allocation was the 2008 Cost of Service Application.

a) Allocated Costs

Small Commercial and Unmetered Scatter Load (UMSL) were combined into one rate class in the previous Cost Allocation Study. For purposes of comparison the combined total from previous study is split based on the number of customer accounts.

Classes	Costs Allocated from Previous Study	%	Costs Allocated in Test Year Study (Column 7A)	%
Residential	\$ 46,484,474	41.3%	\$ 59,961,017	44.6%
Small commercial*	\$ 225,746	0.2%		0.0%
GS < 50 kW	\$ 14,982,784	13.3%	\$ 16,558,669	12.3%
GS > 50 kW	\$ 27,222,124	24.2%	\$ 30,449,071	22.6%
GS > 500 kW	\$ 16,965,654	15.1%	\$ 19,946,261	14.8%
Large User, if applicable	\$ 4,202,131	3.7%	\$ 5,502,735	4.1%
Street Lighting	\$ 2,123,429	1.9%	\$ 1,622,452	1.2%
UMSL	\$ 448,123	0.4%	\$ 467,291	0.3%
Total	\$ 112,654,465	100.0%	\$ 134,507,495	100.0%

Table a) Allocated Costs is restated below to reflect the changes in the rate classes - Small Commercial rate class is to be retired, current small commercial customers will migrate to GS < 50 kW, Unmetered Scattered Load will be split out from the formerly combined Small Commercial UMSL.

Classes	Costs Allocated from Previous Study	%	Costs Allocated in Test Year Study (Column 7A)	%
Residential	\$ 46,484,474	41.3%	\$ 59,961,017	44.6%
GS < 50 kW	\$ 15,208,530	13.5%	\$ 16,558,669	12.3%
GS > 50 kW	\$ 27,222,124	24.2%	\$ 30,449,071	22.6%
GS > 500 kW	\$ 16,965,654	15.1%	\$ 19,946,261	14.8%
Large User, if applicable	\$ 4,202,131	3.7%	\$ 5,502,735	4.1%
Street Lighting	\$ 2,123,429	1.9%	\$ 1,622,452	1.2%
UMSL	\$ 448,123	0.4%	\$ 467,291	0.3%
Total	\$ 112,654,465	100.0%	\$ 134,507,495	100.0%

b) Calculated Class Revenues

Classes (same as previous table)	Column 7B	Column 7C	Column 7D	Column 7E
	Load Forecast (LF) X current approved rates	LF X current approved rates X (1 + 15.06%)	LF X proposed rates	Miscellaneous Revenue
Residential	\$ 42,136,554	\$ 48,481,688	\$ 57,277,858	\$ 2,683,366
GS < 50 kW	\$ 15,583,951	\$ 17,930,661	\$ 15,763,997	\$ 795,011
GS > 50 kW	\$ 28,965,017	\$ 33,326,715	\$ 29,634,385	\$ 814,417
GS > 500 kW	\$ 18,246,214	\$ 20,993,821	\$ 19,519,441	\$ 426,622
Large User, if applicable	\$ 5,878,800	\$ 6,764,059	\$ 5,453,358	\$ 49,325
Street Lighting	\$ 1,315,572	\$ 1,513,677	\$ 1,578,300	\$ 44,131
UMSL	\$ 579,869	\$ 667,188	\$ 450,471	\$ 16,813
Total	\$ 112,705,976	\$ 129,677,810	\$ 129,677,810	\$ 4,829,685

c) Rebalancing Revenue-to-Cost (R/C) Ratios

Class	Previously Approved Ratios	Status Quo Ratios	Proposed Ratios	Policy Range
	Most Recent Year: 2008	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
	%	%	%	%
Residential	92	85	100	85 - 115
GS < 50 kW	111	113	100	80 - 120
GS > 50 kW	111	112	100	80 - 120
GS > 500 kW	92	107	100	85 - 115
Large User, if applicable	111	124	100	70 - 120
Street Lighting	92	96	100	80 - 120
UMSL	111	146	100	80 - 120

Appendix 2-V 2013 Bill Impacts

Customer Class:

Residential - RPP

Consumption 800 kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 11.87	1	\$ 11.87	\$ 16.14	1	\$ 16.14	\$ 4.27	35.97%
Smart Meter Rate Adder	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Service Charge Rate Adder(s)			1	\$ -		1	\$ -	\$ -	
Service Charge Rate Rider(s)			1	\$ -		1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh	\$ 0.0119	800	\$ 9.52	\$ 0.0162	800	\$ 12.96	\$ 3.44	36.13%
Low Voltage Rate Adder			800	\$ -	\$ 0.0002	800	\$ 0.16	\$ 0.16	
Volumetric Rate Adder(s)			800	\$ -		800	\$ -	\$ -	
Volumetric Rate Rider(s)			800	\$ -		800	\$ -	\$ -	
Smart Meter Disposition Rider	Monthly		800	\$ -	-\$ 0.71	1	-\$ 0.71	-\$ 0.71	
LRAM & SSM Rate Rider	per kWh	\$ 0.0003	800	\$ 0.24	\$ 0.0003	800	\$ 0.24	\$ -	0.00%
Deferral/Variance Account	per kWh	-\$ 0.0015	800	-\$ 1.20	-\$ 0.0051	800	-\$ 4.08	-\$ 2.88	240.00%
Disposition Rate Rider									
Stranded Meters Disposition	Monthly			\$ -	\$ 3.23	1	\$ 3.23	\$ 3.23	
Tax Change	per kWh	-\$ 0.0004	800	-\$ 0.32	\$ -	800	\$ -	\$ -	
				\$ -			\$ -	\$ -	
				\$ -			\$ -	\$ -	
Sub-Total A - Distribution				\$ 20.11			\$ 27.94	\$ 7.83	38.94%
RTSR - Network	per kWh	\$ 0.0073	800	\$ 5.84	\$ 0.0073	800	\$ 5.84	\$ -	0.00%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0057	800	\$ 4.56	\$ 0.0057	800	\$ 4.56	\$ -	0.00%
Sub-Total B - Delivery (including Sub-Total A)				\$ 30.51			\$ 38.34	\$ 7.83	25.66%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0052	829	\$ 4.31	\$ 0.0052	829	\$ 4.31	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0011	829	\$ 0.91	\$ 0.0011	829	\$ 0.91	\$ -	0.00%
Special Purpose Charge			800	\$ -		800	\$ -	\$ -	
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	800	\$ 5.60	\$ 0.0070	800	\$ 5.60	\$ -	0.00%
Energy	per kWh	\$ 0.0750	600	\$ 45.00	\$ 0.0750	600	\$ 45.00	\$ -	0.00%
Energy	per kWh	\$ 0.0880	229	\$ 20.15	\$ 0.0880	229	\$ 20.15	\$ -	0.00%
				\$ -			\$ -	\$ -	
Total Bill (before Taxes)				\$ 106.73			\$ 114.56	\$ 7.83	7.34%
HST		13%		\$ 13.88	13%		\$ 14.89	\$ 1.02	7.34%
Total Bill (including Sub-total B)				\$ 120.61			\$ 129.46	\$ 8.85	7.34%
Ontario Clean Energy Benefit¹				-\$ 12.06			-\$ 12.95	-\$ 0.89	7.38%
Total Bill (including OCEB)				\$ 108.55			\$ 116.51	\$ 7.96	7.33%
Loss Factor (%)			3.600%			3.60%			

¹ Applicable to eligible customers only. Refer to the *Ontario Clean Energy Benefit Act, 2010*.

Note that the "Charge \$" columns provide breakdowns of the amounts that each bill component contributes to the total monthly bill at the referenced consumption level at existing and proposed rates.

Applicants must provide bill impacts for residential at 800 kWh and GS<50kW at 2000 kWh. In addition, their filing should cover the range that is relevant to their service territory, class by class. A general guideline of consumption levels follows:

Residential (kWh) - 100, 250, 500, 800, 1000, 1500, 2000

GS<50kW (kWh) - 1000, 2000, 5000, 10000, 15000

GS>50kW (kW) - 60, 100, 500, 1000

Large User - range appropriate for utility

Lighting Classes and USL - 150 kWh and 1 kW, range appropriate for utility.

Appendix 2-V 2013 Bill Impacts

Customer Class: **Residential - Non-RPP**

Consumption **800** kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 11.87	1	\$ 11.87	\$ 16.14	1	\$ 16.14	\$ 4.27	35.97%
Smart Meter Rate Adder	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Service Charge Rate Adder(s)			1	\$ -		1	\$ -	\$ -	
Service Charge Rate Rider(s)			1	\$ -		1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh	\$ 0.0119	800	\$ 9.52	\$ 0.0162	800	\$ 12.96	\$ 3.44	36.13%
Low Voltage Rate Adder			800	\$ -	\$ 0.0002	800	\$ 0.16	\$ 0.16	
Volumetric Rate Adder(s)			800	\$ -		800	\$ -	\$ -	
Volumetric Rate Rider(s)			800	\$ -		800	\$ -	\$ -	
Smart Meter Disposition Rider	Monthly		800	\$ -	-\$ 0.71	1	-\$ 0.71	-\$ 0.71	
LRAM & SSM Rate Rider	per kWh	\$ 0.0003	800	\$ 0.24	\$ 0.0003	800	\$ 0.24	\$ -	0.00%
Deferral/Variance Account	per kWh	-\$ 0.0037	800	-\$ 2.96	-\$ 0.0068	800	-\$ 5.44	-\$ 2.48	83.78%
Disposition Rate Rider									
Stranded Meters Disposition	Monthly			\$ -	\$ 3.23	1	\$ 3.23	\$ 3.23	
Tax Change	per kWh	-\$ 0.0004	800	-\$ 0.32	\$ -	800	\$ -	\$ -	
				\$ -			\$ -	\$ -	
				\$ -			\$ -	\$ -	
Sub-Total A - Distribution				\$ 18.35			\$ 26.58	\$ 8.23	44.85%
RTSR - Network	per kWh	\$ 0.0073	800	\$ 5.84	\$ 0.0073	800	\$ 5.84	\$ -	0.00%
RTSR - Line and	per kWh	\$ 0.0057	800	\$ 4.56	\$ 0.0057	800	\$ 4.56	\$ -	0.00%
Transformation Connection									
Sub-Total B - Delivery (including Sub-Total A)				\$ 28.75			\$ 36.98	\$ 8.23	28.63%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0052	829	\$ 4.31	\$ 0.0052	829	\$ 4.31	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0011	829	\$ 0.91	\$ 0.0011	829	\$ 0.91	\$ -	0.00%
Special Purpose Charge			800	\$ -		800	\$ -	\$ -	
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	800	\$ 5.60	\$ 0.0070	800	\$ 5.60	\$ -	0.00%
Energy	per kWh	\$ 0.0750	600	\$ 45.00	\$ 0.0750	600	\$ 45.00	\$ -	0.00%
Energy	per kWh	\$ 0.0880	229	\$ 20.15	\$ 0.0880	229	\$ 20.15	\$ -	0.00%
				\$ -			\$ -	\$ -	
Total Bill (before Taxes)				\$ 104.97			\$ 113.20	\$ 8.23	7.84%
HST		13%		\$ 13.65	13%		\$ 14.72	\$ 1.07	7.84%
Total Bill (including Sub-total B)				\$ 118.62			\$ 127.92	\$ 9.30	7.84%
Ontario Clean Energy Benefit ¹				-\$ 11.86			-\$ 12.79	-\$ 0.93	7.84%
Total Bill (including OCEB)				\$ 106.76			\$ 115.13	\$ 8.37	7.84%
Loss Factor (%)			3.600%				3.60%		

¹ Applicable to eligible customers only. Refer to the *Ontario Clean Energy Benefit Act, 2010*.

Note that the "Charge \$" columns provide breakdowns of the amounts that each bill component contributes to the total monthly bill at the referenced consumption level at existing and proposed rates.

Applicants must provide bill impacts for residential at 800 kWh and GS<50kW at 2000 kWh. In addition, their filing should cover the range that is relevant to their service territory, class by class. A general guideline of consumption levels follows:

Residential (kWh) - 100, 250, 500, 800, 1000, 1500, 2000

GS<50kW (kWh) - 1000, 2000, 5000, 10000, 15000

GS>50kW (kW) - 60, 100, 500, 1000

Large User - range appropriate for utility

Lighting Classes and USL - 150 kWh and 1 kW, range appropriate for utility.

Appendix 2-V 2013 Bill Impacts

Customer Class: **GS < 50 - RPP**

Consumption **2000** kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 39.93	1	\$ 39.93	\$ 40.63	1	\$ 40.63	\$ 0.70	1.75%
Smart Meter Rate Adder	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Service Charge Rate Adder(s)			1	\$ -		1	\$ -	\$ -	
Service Charge Rate Rider(s)			1	\$ -		1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh	\$ 0.0116	2000	\$ 23.20	\$ 0.0118	2000	\$ 23.60	\$ 0.40	1.72%
Low Voltage Rate Adder			2000	\$ -	\$ 0.0002	2000	\$ 0.40	\$ 0.40	
Volumetric Rate Adder(s)			2000	\$ -		2000	\$ -	\$ -	
Volumetric Rate Rider(s)			2000	\$ -		2000	\$ -	\$ -	
Smart Meter Disposition Rider	Monthly		2000	\$ -	\$ 14.16	1	\$ 14.16	\$ 14.16	
LRAM & SSM Rate Rider	per kWh	\$ 0.0002	2000	\$ 0.40	\$ 0.0002	2000	\$ 0.40	\$ -	0.00%
Deferral/Variance Account	per kWh	-\$ 0.0015	2000	-\$ 3.00	-\$ 0.0048	2000	-\$ 9.60	-\$ 6.60	220.00%
Disposition Rate Rider									
Stranded Meters Disposition	Monthly			\$ -	\$ 3.40	1	\$ 3.40	\$ 3.40	
Tax Change	per kWh	-\$ 0.0003	2000	-\$ 0.60	\$ -	2000	\$ -	\$ -	
				\$ -			\$ -	\$ -	
				\$ -			\$ -	\$ -	
Sub-Total A - Distribution				\$ 59.93			\$ 72.99	\$ 13.06	21.79%
RTSR - Network	per kWh	\$ 0.0068	2000	\$ 13.60	\$ 0.0068	2000	\$ 13.60	\$ -	0.00%
RTSR - Line and	per kWh	\$ 0.0052	2000	\$ 10.40	\$ 0.0052	2000	\$ 10.40	\$ -	0.00%
Transformation Connection									
Sub-Total B - Delivery (including Sub-Total A)				\$ 83.93			\$ 96.99	\$ 13.06	15.56%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0052	2072	\$ 10.77	\$ 0.0052	2072	\$ 10.77	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0011	2072	\$ 2.28	\$ 0.0011	2072	\$ 2.28	\$ -	0.00%
Special Purpose Charge			2000	\$ -		2000	\$ -	\$ -	
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	2000	\$ 14.00	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
Energy	per kWh	\$ 0.0750	750	\$ 56.25	\$ 0.0750	750	\$ 56.25	\$ -	0.00%
Energy	per kWh	\$ 0.0880	1322	\$ 116.34	\$ 0.0880	1322	\$ 116.34	\$ -	0.00%
				\$ -			\$ -	\$ -	
Total Bill (before Taxes)				\$ 283.82			\$ 296.88	\$ 13.06	4.60%
HST		13%		\$ 36.90	13%		\$ 38.59	\$ 1.70	4.60%
Total Bill (including Sub-total B)				\$ 320.72			\$ 335.47	\$ 14.75	4.60%
Ontario Clean Energy Benefit ¹				-\$ 32.07			-\$ 33.55	-\$ 1.48	4.61%
Total Bill (including OCEB)				\$ 288.65			\$ 301.92	\$ 13.27	4.60%
Loss Factor (%)			3.600%				3.60%		

¹ Applicable to eligible customers only. Refer to the *Ontario Clean Energy Benefit Act, 2010*.

Note that the "Charge \$" columns provide breakdowns of the amounts that each bill component contributes to the total monthly bill at the referenced consumption level at existing and proposed rates.

Applicants must provide bill impacts for residential at 800 kWh and GS<50kW at 2000 kWh. In addition, their filing should cover the range that is relevant to their service territory, class by class. A general guideline of consumption levels follows:

Residential (kWh) - 100, 250, 500, 800, 1000, 1500, 2000

GS<50kW (kWh) - 1000, 2000, 5000, 10000, 15000

GS>50kW (kW) - 60, 100, 500, 1000

Large User - range appropriate for utility

Lighting Classes and USL - 150 kWh and 1 kW, range appropriate for utility.

Appendix 2-V 2013 Bill Impacts

Customer Class: **GS < 50 - Non-RPP**

Consumption **2000** kWh

	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 39.93	1	\$ 39.93	\$ 40.63	1	\$ 40.63	\$ 0.70	1.75%
Smart Meter Rate Adder	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Service Charge Rate Adder(s)			1	\$ -		1	\$ -	\$ -	
Service Charge Rate Rider(s)			1	\$ -		1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh	\$ 0.0116	2000	\$ 23.20	\$ 0.0118	2000	\$ 23.60	\$ 0.40	1.72%
Low Voltage Rate Adder			2000	\$ -	\$ 0.0002	2000	\$ 0.40	\$ 0.40	
Volumetric Rate Adder(s)			2000	\$ -		2000	\$ -	\$ -	
Volumetric Rate Rider(s)			2000	\$ -		2000	\$ -	\$ -	
Smart Meter Disposition Rider	Monthly		2000	\$ -	\$ 14.16	1	\$ 14.16	\$ 14.16	
LRAM & SSM Rate Rider	per kWh	\$ 0.0002	2000	\$ 0.40	\$ 0.0002	2000	\$ 0.40	\$ -	0.00%
Deferral/Variance Account	per kWh	-\$ 0.0037	2000	-\$ 7.40	-\$ 0.0065	2000	-\$ 13.00	-\$ 5.60	75.68%
Disposition Rate Rider									
Stranded Meters Disposition	Monthly			\$ -	\$ 3.40	1	\$ 3.40	\$ 3.40	
Tax Change	per kWh	-\$ 0.0003	2000	-\$ 0.60	\$ -	2000	\$ -	\$ -	
				\$ -			\$ -	\$ -	
				\$ -			\$ -	\$ -	
Sub-Total A - Distribution				\$ 55.53			\$ 69.59	\$ 14.06	25.32%
RTSR - Network	per kWh	\$ 0.0068	2000	\$ 13.60	\$ 0.0068	2000	\$ 13.60	\$ -	0.00%
RTSR - Line and	per kWh	\$ 0.0052	2000	\$ 10.40	\$ 0.0052	2000	\$ 10.40	\$ -	0.00%
Transformation Connection									
Sub-Total B - Delivery (including Sub-Total A)				\$ 79.53			\$ 93.59	\$ 14.06	17.68%
Wholesale Market Service Charge (WMSVC)	per kWh	\$ 0.0052	2072	\$ 10.77	\$ 0.0052	2072	\$ 10.77	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0011	2072	\$ 2.28	\$ 0.0011	2072	\$ 2.28	\$ -	0.00%
Special Purpose Charge			2000	\$ -		2000	\$ -	\$ -	
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	2000	\$ 14.00	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
Energy	per kWh	\$ 0.0750	750	\$ 56.25	\$ 0.0750	750	\$ 56.25	\$ -	0.00%
Energy	per kWh	\$ 0.0880	1322	\$ 116.34	\$ 0.0880	1322	\$ 116.34	\$ -	0.00%
				\$ -			\$ -	\$ -	
Total Bill (before Taxes)				\$ 279.42			\$ 293.48	\$ 14.06	5.03%
HST		13%		\$ 36.32	13%		\$ 38.15	\$ 1.83	5.03%
Total Bill (including Sub-total B)				\$ 315.74			\$ 331.63	\$ 15.89	5.03%
Ontario Clean Energy Benefit ¹				-\$ 31.57			-\$ 33.16	-\$ 1.59	5.04%
Total Bill (including OCEB)				\$ 284.17			\$ 298.47	\$ 14.30	5.03%
Loss Factor (%)			3.600%				3.60%		

¹ Applicable to eligible customers only. Refer to the *Ontario Clean Energy Benefit Act, 2010*.

Note that the "Charge \$" columns provide breakdowns of the amounts that each bill component contributes to the total monthly bill at the referenced consumption level at existing and proposed rates.

Applicants must provide bill impacts for residential at 800 kWh and GS<50kW at 2000 kWh. In addition, their filing should cover the range that is relevant to their service territory, class by class. A general guideline of consumption levels follows:

Residential (kWh) - 100, 250, 500, 800, 1000, 1500, 2000

GS<50kW (kWh) - 1000, 2000, 5000, 10000, 15000

GS>50kW (kW) - 60, 100, 500, 1000

Large User - range appropriate for utility

Lighting Classes and USL - 150 kWh and 1 kW, range appropriate for utility.

Appendix 2-V 2013 Bill Impacts

Customer Class: Unmetered Scattered Load									
Consumption		300 kWh							
	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 10.69	1	\$ 10.69	\$ 8.30	1	\$ 8.30	-\$ 2.39	-22.36%
Smart Meter Rate Adder	Monthly		1	\$ -		1	\$ -	\$ -	
Service Charge Rate Adder(s)			1	\$ -		1	\$ -	\$ -	
Service Charge Rate Rider(s)			1	\$ -		1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh	\$ 0.0195	300	\$ 5.85	\$ 0.0151	300	\$ 4.53	-\$ 1.32	-22.56%
Low Voltage Rate Adder			300	\$ -	\$ 0.0002	300	\$ 0.06	\$ 0.06	
Volumetric Rate Adder(s)			300	\$ -		300	\$ -	\$ -	
Volumetric Rate Rider(s)			300	\$ -		300	\$ -	\$ -	
Smart Meter Disposition Rider	Monthly		300	\$ -	\$ -	1	\$ -	\$ -	
LRAM & SSM Rate Rider	per kWh	\$ -	300	\$ -	\$ -	300	\$ -	\$ -	
Deferral/Variance Account	per kWh	-\$ 0.0021	300	-\$ 0.63	-\$ 0.0079	300	-\$ 2.37	-\$ 1.74	276.19%
Disposition Rate Rider				\$ -			\$ -	\$ -	
Tax Change	per kWh	-\$ 0.0007	300	-\$ 0.21	\$ -	300	\$ -	\$ -	
				\$ -			\$ -	\$ -	
				\$ -			\$ -	\$ -	
Sub-Total A - Distribution				\$ 15.70			\$ 10.52	-\$ 5.18	-32.99%
RTSR - Network	per kWh	\$ 0.0068	300	\$ 2.04	\$ 0.0068	300	\$ 2.04	\$ -	0.00%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0052	300	\$ 1.56	\$ 0.0052	300	\$ 1.56	\$ -	0.00%
Sub-Total B - Delivery (including Sub-Total A)				\$ 19.30			\$ 14.12	-\$ 5.18	-26.84%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0052	311	\$ 1.62	\$ 0.0052	311	\$ 1.62	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0011	311	\$ 0.34	\$ 0.0011	311	\$ 0.34	\$ -	0.00%
Special Purpose Charge			300	\$ -		300	\$ -	\$ -	
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	300	\$ 2.10	\$ 0.0070	300	\$ 2.10	\$ -	0.00%
Energy	per kWh	\$ 0.0750	311	\$ 23.33	\$ 0.0750	311	\$ 23.33	\$ -	0.00%
Energy	per kWh	\$ 0.0880	0	\$ -	\$ 0.0880	0	\$ -	\$ -	
				\$ -			\$ -	\$ -	
Total Bill (before Taxes)				\$ 46.93			\$ 41.75	-\$ 5.18	-11.04%
HST		13%		\$ 6.10	13%		\$ 5.43	-\$ 0.67	-11.04%
Total Bill (including Sub-total B)				\$ 53.04			\$ 47.18	-\$ 5.86	-11.05%
Ontario Clean Energy Benefit ¹				-\$ 5.30			-\$ 4.72	\$ 0.58	-10.94%
Total Bill (including OCEB)				\$ 47.74			\$ 42.46	-\$ 5.28	-11.06%
Loss Factor (%)		3.600%			3.60%				

¹ Applicable to eligible customers only. Refer to the *Ontario Clean Energy Benefit Act, 2010*.

Note that the "Charge \$" columns provide breakdowns of the amounts that each bill component contributes to the total monthly bill at the referenced consumption level at existing and proposed rates.

Applicants must provide bill impacts for residential at 800 kWh and GS<50kW at 2000 kWh. In addition, their filing should cover the range that is relevant to their service territory, class by class. A general guideline of consumption levels follows:

Residential (kWh) - 100, 250, 500, 800, 1000, 1500, 2000
GS<50kW (kWh) - 1000, 2000, 5000, 10000, 15000
GS>50kW (kW) - 60, 100, 500, 1000
Large User - range appropriate for utility
Lighting Classes and USL - 150 kWh and 1 kW, range appropriate for utility.

Appendix 2-V 2013 Bill Impacts

Customer Class: **GS 50 - 499 kW**

Consumption		230 kW			100000 kWh			Impact	
Charge Unit		Current Board-Approved			Proposed			\$ Change	% Change
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)		
Monthly Service Charge	Monthly	\$ 69.86	1	\$ 69.86	\$ 71.47	1	\$ 71.47	\$ 1.61	2.30%
Smart Meter Rate Adder	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Service Charge Rate Adder(s)			1	\$ -		1	\$ -	\$ -	
Service Charge Rate Rider(s)			1	\$ -		1	\$ -	\$ -	
Distribution Volumetric Rate	per kW	\$ 4.2044	230	\$ 967.01	\$ 4.3009	230	\$ 989.21	\$ 22.20	2.30%
Low Voltage Rate Adder			230	\$ -	\$ 0.0805	230	\$ 18.52	\$ 18.52	
Volumetric Rate Adder(s)			230	\$ -		230	\$ -	\$ -	
Volumetric Rate Rider(s)			230	\$ -		230	\$ -	\$ -	
Smart Meter Disposition Rider	Monthly			\$ -	-\$ 0.11	1	-\$ 0.11	-\$ 0.11	
LRAM & SSM Rate Rider	per kW	\$ 0.0281	230	\$ 6.46	\$ 0.0281	230	\$ 6.46	\$ -	0.00%
Deferral/Variance Account	per kW	-\$ 1.1807	230	-\$ 271.56	-\$ 1.7708	230	-\$ 407.28	-\$ 135.72	49.98%
Disposition Rate Rider									
Stranded Meters Disposition	Monthly			\$ -	\$ 1.22	1	\$ 1.22	\$ 1.22	
Tax Change	per kW	-\$ 0.0626	230	-\$ 14.40	\$ -	230	\$ -	\$ -	
				\$ -			\$ -	\$ -	
				\$ -			\$ -	\$ -	
Sub-Total A - Distribution				\$ 757.38			\$ 679.48	-\$ 77.89	-10.28%
RTSR - Network	per kW	\$ 2.6160	230	\$ 601.68	\$ 2.6160	230	\$ 601.68	\$ -	0.00%
RTSR - Line and Transformation Connection	per kW	\$ 2.0283	230	\$ 466.51	\$ 2.0283	230	\$ 466.51	\$ -	0.00%
Sub-Total B - Delivery (including Sub-Total A)				\$ 1,825.57			\$ 1,747.67	-\$ 77.89	-4.27%
Wholesale Market Service Charge (WMSMC)	per kWh	\$ 0.0052	103601	\$ 538.73	\$ 0.0052	103601	\$ 538.73	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0011	103601	\$ 113.96	\$ 0.0011	103601	\$ 113.96	\$ -	0.00%
Special Purpose Charge			103601	\$ -		230	\$ -	\$ -	
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	100000	\$ 700.00	\$ 0.0070	100000	\$ 700.00	\$ -	0.00%
Energy	per kWh	\$ 0.0750	750	\$ 56.25	\$ 0.0750	750	\$ 56.25	\$ -	0.00%
Energy	per kWh	\$ 0.0880	102851	\$ 9,050.89	\$ 0.0880	102851	\$ 9,050.89	\$ -	0.00%
				\$ -			\$ -	\$ -	
Total Bill (before Taxes)				\$ 12,285.64			\$ 12,207.74	-\$ 77.90	-0.63%
HST		13%		\$ 1,597.13	13%		\$ 1,587.01	-\$ 10.13	-0.63%
Total Bill (including Sub-total B)				\$ 13,882.77			\$ 13,794.75	-\$ 88.02	-0.63%
Ontario Clean Energy Benefit¹				\$ -			\$ -	\$ -	
Total Bill (including OCEB)				\$ 13,882.77			\$ 13,794.75	-\$ 88.02	-0.63%
Loss Factor (%)		3.600%			3.60%				

¹ Applicable to eligible customers only. Refer to the *Ontario Clean Energy Benefit Act, 2010*.

Note that the "Charge \$" columns provide breakdowns of the amounts that each bill component contributes to the total monthly bill at the referenced consumption level at existing and proposed rates.

Applicants must provide bill impacts for residential at 800 kWh and GS<50kW at 2000 kWh. In addition, their filing should cover the range that is relevant to their service territory, class by class. A general guideline of consumption levels follows:

Residential (kWh) - 100, 250, 500, 800, 1000, 1500, 2000
GS<50kW (kWh) - 1000, 2000, 5000, 10000, 15000
GS>50kW (kW) - 60, 100, 500, 1000
Large User - range appropriate for utility
Lighting Classes and USL - 150 kWh and 1 kW, range appropriate for utility.

Appendix 2-V 2013 Bill Impacts

Customer Class:

GS 500 - 4999 kW

Consumption		2250 kW			400000 kWh			Impact	
Charge Unit		Current Board-Approved			Proposed			\$ Change	% Change
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)		
Monthly Service Charge	Monthly	\$ 1,538.27	1	\$ 1,538.27	\$ 1,645.61	1	\$ 1,645.61	\$ 107.34	6.98%
Smart Meter Rate Adder	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Service Charge Rate Adder(s)			1	\$ -		1	\$ -	\$ -	
Service Charge Rate Rider(s)			1	\$ -		1	\$ -	\$ -	
Distribution Volumetric Rate	per kW	\$ 2.0981	2250	\$ 4,720.73	\$ 2.2292	2250	\$ 5,015.70	\$ 294.97	6.25%
Low Voltage Rate Adder			2250	\$ -	\$ 0.0788	2250	\$ 177.30	\$ 177.30	
Volumetric Rate Adder(s)			2250	\$ -		2250	\$ -	\$ -	
Volumetric Rate Rider(s)			2250	\$ -		2250	\$ -	\$ -	
Smart Meter Disposition Rider			2250	\$ -		1	\$ -	\$ -	
LRAM & SSM Rate Rider	per kW	\$ 0.0111	2250	\$ 24.98	\$ 0.0111	2250	\$ 24.98	\$ -	0.00%
Deferral/Variance Account	per kW	-\$ 1.4778	2250	-\$ 3,325.05	-\$ 1.9486	2250	-\$ 4,384.35	#####	31.86%
Disposition Rate Rider				\$ -			\$ -	\$ -	
Tax Change	per kW	-\$ 0.0494	2250	-\$ 111.15	\$ -	2250	\$ -	\$ -	
				\$ -			\$ -	\$ -	
				\$ -			\$ -	\$ -	
				\$ -			\$ -	\$ -	
Sub-Total A - Distribution				\$ 2,847.77			\$ 2,479.24	-\$ 368.54	-12.94%
RTSR - Network	per kW	\$ 2.5309	2250	\$ 5,694.53	\$ 2.5309	2250	\$ 5,694.53	\$ -	0.00%
RTSR - Line and Transformation Connection	per kW	\$ 1.9847	2250	\$ 4,465.58	\$ 1.9847	2250	\$ 4,465.58	\$ -	0.00%
Sub-Total B - Delivery (including Sub-Total A)				\$ 13,007.87			\$ 12,639.34	-\$ 368.54	-2.83%
Wholesale Market Service Charge (WMSVC)	per kWh	\$ 0.0052	414401	\$ 2,154.89	\$ 0.0052	414401	\$ 2,154.89	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0011	414401	\$ 455.84	\$ 0.0011	414401	\$ 455.84	\$ -	0.00%
Special Purpose Charge			414401	\$ -		2250	\$ -	\$ -	
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	400000	\$ 2,800.00	\$ 0.0070	400000	\$ 2,800.00	\$ -	0.00%
Energy	per kWh	\$ 0.0750	750	\$ 56.25	\$ 0.0750	750	\$ 56.25	\$ -	0.00%
Energy	per kWh	\$ 0.0880	413651	\$ 36,401.29	\$ 0.0880	413651	\$ 36,401.29	\$ -	0.00%
				\$ -			\$ -	\$ -	
Total Bill (before Taxes)				\$ 54,876.38			\$ 54,507.85	-\$ 368.53	-0.67%
HST		13%		\$ 7,133.93	13%		\$ 7,086.02	-\$ 47.91	-0.67%
Total Bill (including Sub-total B)				\$ 62,010.31			\$ 61,593.87	-\$ 416.44	-0.67%
Ontario Clean Energy Benefit¹				\$ -			\$ -	\$ -	
Total Bill (including OCEB)				\$ 62,010.31			\$ 61,593.87	-\$ 416.44	-0.67%
Loss Factor (%)		3.600%			3.60%				

¹ Applicable to eligible customers only. Refer to the *Ontario Clean Energy Benefit Act, 2010*.

Note that the "Charge \$" columns provide breakdowns of the amounts that each bill component contributes to the total monthly bill at the referenced consumption level at existing and proposed rates.

Applicants must provide bill impacts for residential at 800 kWh and GS<50kW at 2000 kWh. In addition, their filing should cover the range that is relevant to their service territory, class by class. A general guideline of consumption levels follows:

Residential (kWh) - 100, 250, 500, 800, 1000, 1500, 2000
GS<50kW (kWh) - 1000, 2000, 5000, 10000, 15000
GS>50kW (kW) - 60, 100, 500, 1000
Large User - range appropriate for utility
Lighting Classes and USL - 150 kWh and 1 kW, range appropriate for utility.

Appendix 2-V 2013 Bill Impacts

Customer Class: Large Use									
Consumption		5000 kW		3000000 kWh					
Charge Unit		Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 13,856.90	1	\$ 13,856.90	\$ 12,854.09	1	\$ 12,854.09	-\$ 1,002.81	-7.24%
Smart Meter Rate Adder	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Service Charge Rate Adder(s)			1	\$ -		1	\$ -	\$ -	
Service Charge Rate Rider(s)			1	\$ -		1	\$ -	\$ -	
Distribution Volumetric Rate	per kW	\$ 2.9225	5000	\$ 14,612.50	\$ 2.7399	5000	\$ 13,699.50	-\$ 913.00	-6.25%
Low Voltage Rate Adder			5000	\$ -	\$ 0.0841	5000	\$ 420.50	\$ 420.50	
Volumetric Rate Adder(s)			5000	\$ -		5000	\$ -	\$ -	
Volumetric Rate Rider(s)			5000	\$ -		5000	\$ -	\$ -	
Smart Meter Disposition Rider			5000	\$ -		1	\$ -	\$ -	
LRAM & SSM Rate Rider	per kW	\$ 0.0035	5000	\$ 17.50	\$ 0.0035	5000	\$ 17.50	\$ -	0.00%
Deferral/Variance Account	per kW	-\$ 1.9673	5000	-\$ 9,836.50	-\$ 2.5142	5000	-\$ 12,571.00	-\$ 2,734.50	27.80%
Disposition Rate Rider				\$ -			\$ -	\$ -	
Tax Change	per kW	-\$ 0.0502	5000	-\$ 251.00	\$ -	5000	\$ -	\$ -	
				\$ -			\$ -	\$ -	
				\$ -			\$ -	\$ -	
Sub-Total A - Distribution				\$ 18,399.40			\$ 14,420.59	-\$ 3,978.81	-21.62%
RTSR - Network	per kW	\$ 2.7007	5000	\$ 13,503.50	\$ 2.7007	5000	\$ 13,503.50	\$ -	0.00%
RTSR - Line and Transformation Connection	per kW	\$ 2.1197	5000	\$ 10,598.50	\$ 2.1197	5000	\$ 10,598.50	\$ -	0.00%
Sub-Total B - Delivery (including Sub-Total A)				\$ 42,501.40			\$ 38,522.59	-\$ 3,978.81	-9.36%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0052	3043500	\$ 15,826.20	\$ 0.0052	3043500	\$ 15,826.20	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0011	3043500	\$ 3,347.85	\$ 0.0011	3043500	\$ 3,347.85	\$ -	0.00%
Special Purpose Charge			3043500	\$ -		5000	\$ -	\$ -	
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	3000000	\$ 21,000.00	\$ 0.0070	3000000	\$ 21,000.00	\$ -	0.00%
Energy	per kWh	\$ 0.0750	750	\$ 56.25	\$ 0.0750	750	\$ 56.25	\$ -	0.00%
Energy	per kWh	\$ 0.0880	3042750	\$ 267,762.00	\$ 0.0880	3042750	\$ 267,762.00	\$ -	0.00%
				\$ -			\$ -	\$ -	
Total Bill (before Taxes)				\$ 350,493.95			\$ 346,515.14	-\$ 3,978.81	-1.14%
HST		13%		\$ 45,564.21	13%		\$ 45,046.97	-\$ 517.25	-1.14%
Total Bill (including Sub-total B)				\$ 396,058.16			\$ 391,562.11	-\$ 4,496.05	-1.14%
Ontario Clean Energy Benefit¹				\$ -			\$ -	\$ -	
Total Bill (including OCEB)				\$ 396,058.16			\$ 391,562.11	-\$ 4,496.05	-1.14%
Loss Factor (%)			1.4500%				1.4500%		

¹ Applicable to eligible customers only. Refer to the *Ontario Clean Energy Benefit Act, 2010*.

Note that the "Charge \$" columns provide breakdowns of the amounts that each bill component contributes to the total monthly bill at the referenced consumption level at existing and proposed rates.

Applicants must provide bill impacts for residential at 800 kWh and GS<50kW at 2000 kWh. In addition, their filing should cover the range that is relevant to their service territory, class by class. A general guideline of consumption levels follows:

Residential (kWh) - 100, 250, 500, 800, 1000, 1500, 2000
GS<50kW (kWh) - 1000, 2000, 5000, 10000, 15000
GS>50kW (kW) - 60, 100, 500, 1000
Large User - range appropriate for utility
Lighting Classes and USL - 150 kWh and 1 kW, range appropriate for utility.

Appendix 2-V 2013 Bill Impacts

Customer Class:		Streetlighting									
Consumption		0.1 kW					33 kWh				
Charge Unit		Current Board-Approved			Proposed			Impact			
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change		
Monthly Service Charge	Monthly	\$ 1.34	1	\$ 1.34	\$ 1.61	1	\$ 1.61	\$ 0.27	20.15%		
Smart Meter Rate Adder			1	\$ -		1	\$ -	\$ -			
Service Charge Rate Adder(s)			1	\$ -		1	\$ -	\$ -			
Service Charge Rate Rider(s)			1	\$ -		1	\$ -	\$ -			
Distribution Volumetric Rate	per kW	\$ 10.2587	0.1	\$ 1.03	\$ 12.3074	0.1	\$ 1.23	\$ 0.20	19.97%		
Low Voltage Rate Adder			0.1	\$ -	\$ 0.0582	0.1	\$ 0.01	\$ 0.01			
Volumetric Rate Adder(s)			0.1	\$ -		0.1	\$ -	\$ -			
Volumetric Rate Rider(s)			0.1	\$ -		0.1	\$ -	\$ -			
Smart Meter Disposition Rider			0.1	\$ -		1	\$ -	\$ -			
LRAM & SSM Rate Rider	per kW	\$ -	0.1	\$ -	\$ -	0.1	\$ -	\$ -			
Deferral/Variance Account	per kW	-\$ 1.4262	0.1	-\$ 0.14	-\$ 3.1785	0.1	-\$ 0.32	-\$ 0.18	122.86%		
Disposition Rate Rider				\$ -			\$ -	\$ -			
Tax Change	per kW	-\$ 0.2253	0.1	-\$ 0.02	\$ -	0.1	\$ -	\$ -			
				\$ -			\$ -	\$ -			
				\$ -			\$ -	\$ -			
				\$ -			\$ -	\$ -			
Sub-Total A - Distribution				\$ 2.20			\$ 2.53	\$ 0.33	14.90%		
RTSR - Network	per kW	\$ 1.8116	0.1	\$ 0.18	\$ 1.8116	0.1	\$ 0.18	\$ -	0.00%		
RTSR - Line and Transformation Connection	per kW	\$ 1.4666	0.1	\$ 0.15	\$ 1.4666	0.1	\$ 0.15	\$ -	0.00%		
Sub-Total B - Delivery (including Sub-Total A)				\$ 2.53			\$ 2.86	\$ 0.33	12.97%		
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0052	34	\$ 0.18	\$ 0.0052	34	\$ 0.18	\$ -	0.00%		
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0011	34	\$ 0.04	\$ 0.0011	34	\$ 0.04	\$ -	0.00%		
Special Purpose Charge			34	\$ -		0.1	\$ -	\$ -			
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%		
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	34	\$ 0.24	\$ 0.0070	34	\$ 0.24	\$ -	0.00%		
Energy	per kWh	\$ 0.0750	34	\$ 2.55	\$ 0.0750	34	\$ 2.55	\$ -	0.00%		
Energy	per kWh	\$ 0.0880	0	\$ -	\$ 0.0880	0	\$ -	\$ -			
				\$ -			\$ -	\$ -			
Total Bill (before Taxes)				\$ 5.78			\$ 6.11	\$ 0.33	5.67%		
HST		13%		\$ 0.75	13%		\$ 0.79	\$ 0.04	5.67%		
Total Bill (including Sub-total B)				\$ 6.53			\$ 6.90	\$ 0.37	5.67%		
Ontario Clean Energy Benefit¹				\$ -			\$ -	\$ -			
Total Bill (including OCEB)				\$ 6.53			\$ 6.90	\$ 0.37	5.67%		
Loss Factor (%)		3.600%			3.60%						

¹ Applicable to eligible customers only. Refer to the *Ontario Clean Energy Benefit Act, 2010*.

Note that the "Charge \$" columns provide breakdowns of the amounts that each bill component contributes to the total monthly bill at the referenced consumption level at existing and proposed rates.

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GS<50kW (kWh) - 1000, 2000, 5000, 10000, 15000

GS>50kW (kW) - 60, 100, 500, 1000

Large User - range appropriate for utility

Lighting Classes and USL - 150 kWh and 1 kW, range appropriate for utility.