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DEFERRAL AND VARIANCE ACCOUNTS:

OVERVIEW

The information contained in this exhibit includes the status and description of OHL's deferral and variance accounts, the proposed disposition of certain account balances, and the rate riders required for recovery or refund of the account balances.

Statement of Adjustments to Deferral and Variance Accounts

OHL has not made any adjustments to the deferral and variance account balances previously approved by the Board on a final basis.

ENERGY SALES AND COST OF POWER

In Table 9.1 OHL has supplied a breakdown of energy sales and cost of power expense balances and have reconciled with what has been reported in the Audited Financial Statements. There is a slight difference in 2011 of \$2.00 between the energy sales and cost of power expense reported numbers due to a rounding error.

OHL confirms that we pro-rate the IESO Global Adjustment Charge into the RPP and non-RPP portions.

Table 9.1: Energy Sales and Cost of Power			
	2010	2011	2012
4006 Residential Energy Sales	4,780,798	5,356,889	6,012,455
4015 Industrial Energy Sales	6,303,949	7,136,997	7,636,976
4025 Street Lighting Energy Sales	105,962	133,553	141,172
4030 Sentinel Lighting Energy Sales	7,739	7,043	9,622
4035 General Service Energy Sales	2,262,535	2,392,917	2,555,233
4055 Retailer Revenue	3,551,255	3,216,966	3,005,378
4062 Wholesale Market Service	1,429,796	1,417,863	1,302,241
4066 Transmission Network Charges	1,228,407	1,213,207	1,272,097
4068 Transmission Connection Charges	713,546	758,644	721,161
4075 LV Billed	281,799	251,467	250,089
Total Billed	20,665,786	21,885,546	22,906,425
4705 Power Purchased	17,012,237	18,244,365	12,606,111
4707 Global Adjustment	0	0	6,754,725
4708 Wholesale Market Service Charges	1,429,796	1,417,860	1,302,241
4714 Transmission Network Charges	1,228,407	1,213,207	1,272,097
4716 Transmission Connection Charges	713,546	758,645	721,161
4750 LV Charges	281,799	251,467	250,090
Total Charges	20,665,785	21,885,544	22,906,425
Audited Statements	20,665,785	21,885,544	22,906,425

PREVIOUS DEFERRAL / VARIANCE ACCOUNT DISPOSITION

2010 COST OF SERVICE FILING – EB-2009-0272

On February 26, 2010 the Board's Decision and order EB-2009-0272 concluded that the proposed Deferral and Variance Account rate riders are appropriate. The Group 1 and 2 accounts disposition was over a 4 year period ending on April 30, 2014.

2012 IRM FILING

In IRM filing EB-2011-0190 Decision dated March 22, 2012, OHL received approval to dispose of Group 1 accounts as at December 31, 2010. The balances on these accounts are to be disposed over a one year period from May 1, 2012 to April 30, 2013.

2012 SMART METER FUNDING AND COST RECOVERY – FINAL DISPOSITION

On March 22, 2012 the Board's Decision and Revised Rate Order EB-2012-0039, OHL received Board approval for the disposition and recovery of costs related to smart meter deployment, offset by Smart Meter Funding Adder ("SMFA") revenues collected from May 1, 2006 to April 30, 2012. OHL received approval of proposed Smart Meter Disposition Riders ("SMDRs") and Smart Meter Incremental Revenue Requirement Rate Riders ("SMIRRs") effective May 1, 2012 with a sunset date to the next cost of service filing.

Also in this application OHL received an approval to dispose of Group 1 as at December 31, 2010. The balances on these accounts are to be disposed over a one year period from May 1, 2012 to April 30, 2013.

STATUS OF DEFERRAL AND VARIANCE ACCOUNTS:

This Schedule contains the status of Deferral and Variance Accounts ("DVAs") currently used by OHL. The balances as at December 31, 2012 and the proposed recovery amounts are summarized in Table 2.1 following the descriptions of each account:

GROUP 1 ACCOUNTS

1550 LV Variance Account

This Account is used to record the net of the low voltage transactions, which are not part of the electricity wholesale market. Monthly this account is used to record the net amounts charged by host distributor(s) to an embedded distributor for transmission or low voltage services (USoA 4750) and the amount billed to the embedded distributor's customers based on approved LV rate(s) (USoA 4075).

The Board prescribed interest rates are used to calculate the carrying charges and the interest is recorded in a sub-account.

For 2014, OHL is requesting disposition of the December 31, 2012 audited balance plus the forecasted interest through April 30, 2014 for account 1550. The requested amount is a debit of \$ 243,211 .

1580 Retail Settlement Variance Account - Wholesale Market Service Charges

This account is used to record the net of the amount charged by the IESO based on the settlement invoice for the operation of the IESO-administered markets and the operation of the IESO-controlled grid, and the amount billed to customers using the OEB-approved Wholesale Market Service Rate. OHL uses the accrual method. The Board prescribed interest rates are used to calculate the carrying charges and the interest is recorded in a sub-account.

For 2014, OHL is requesting disposition of the December 31, 2012 audited balance plus the forecasted interest through April 30, 2014 for account 1580. The requested amount is a credit of \$(597,048) .

1584 Retail Settlement Variance Account - Retail Transmission Network Charges

This account is used to record the net of the amount charged by Hydro One, based on the settlement invoice for transmission network services, and the amount billed to customers using the OEB-approved Retail Transmission Rate for network services. OHL uses the accrual method. The Board prescribed interest rates are used to calculate the carrying charges and the interest is recorded in a sub-account.

For 2014, OHL is requesting disposition of the December 31, 2012 audited balance plus the forecasted interest through April 30, 2014 for account 1584. The requested amount is a debit of \$12,456 .

1586 Retail Settlement Variance Account - Retail Transmission Connection Charges

This account is used to record the net of the amount charged by the IESO, based on the settlement invoice for transmission connection services, and the amount billed to customers using the OEB-approved Retail Transmission Rate for connection services. OHL uses the accrual method. The Board prescribed interest rates are used to calculate the carrying charges and the interest is recorded in a sub-account.

For 2014, OHL is requesting disposition of the December 31, 2012 audited balance plus the forecasted interest through April 30, 2014 for account 1586. The requested amount is a credit of \$(3,434) .

1588 Retail Settlement Variance Account – Power (excluding Global Adjustment)

This account is used to recover the net difference between the energy amount billed to customers and the energy charge to OHL using the settlement invoice from the Independent Electricity System Operator (IESO). OHL uses the accrual method. The variance between Board-approved and actual line losses is reflected in Account 1588 for the applicable period. The Board prescribed interest rates are used to calculate the carrying charges and the interest is recorded in a sub-account.

For 2014, OHL is requesting disposition of the December 31, 2012 audited balance plus the forecasted interest through April 30, 2014 for account 1588 - Power. The requested amount is a credit of \$(148,937) .

1589 Retail Settlement Variance Account - Power, Sub-account Global Adjustment

This account is used to recover the net difference between the provincial benefit amount billed to customers and the global adjustment charged to OHL using the settlement invoice from the IESO. OHL uses the accrual method. The Board prescribed interest rates are used to calculate the carrying charges and the interest is recorded in a sub-account.

For 2014, OHL is requesting disposition of the December 31, 2012 audited balance plus the forecasted interest through April 30, 2014 for account 1589 sub account Global Adjustment through a separate non-RPP rate rider. The requested amount is a debit of \$110,435 .

1595 Retail Settlement Variance Account - Power, Sub-account Global Adjustment

This account includes the regulatory asset or liability balances authorized by the Board for recovery in rates or payments/credits made to customers. Separate sub-accounts are maintained for expenses, interest and recovery amounts for each Board-approved recovery.

Sub-Account 2010 for EB-2009-0272: In accordance with the Board's Decision and Order, for OHL's 2010 COS Application, the December 31, 2008 balances were transferred to a sub-account of 1595 April 2009. The rate rider was for a four-year recovery period to the end of April 30, 2014. OHL will not be requesting any recovery on this account until disposition is fully completed.

Sub-Account 2012 for EB-2009-0272: In accordance with the Board's Decision and Order, for OHL's 2012 IRM Application, the December 31, 2010 balances were transferred to a sub-account of 1595 April 2012. The rate rider was for a one year recovery period to the end of April 30, 2014. OHL will not be requesting any recovery on this account until disposition is fully completed.

GROUP 2 ACCOUNTS

The following list of Group 2 accounts explains the accounting procedures followed according to the OEB Accounting Procedures Handbook. OHL indicates account by account if disposition is requested or once approved, a Group 2 account would be discontinued. OHL has also noted if disposition will not be sought in this application.

1508 Other Regulatory Assets – Sub-account IFRS Transition Costs

This account includes amounts paid for one-time incremental costs for the transition to International Financial Reporting Standards (IFRS). The Board prescribed interest rates are used to calculate the carrying charges and the interest is recorded in a sub-account.

OHL has established account 1508 – sub account IFRS Transition Costs in accordance with the Board Requirements. In the Board's Accounting Procedures Handbook, FAQs, October 2009, the Board permitted the deferral of one-time administrative costs caused by the transition of accounting policies, procedures, system and processes to International Financial Reporting Standards (IFRS) in this sub-account. Also in the Board's Accounting Procedures handbook FAQ, October 2009, the Board permitted interest carrying charges to be calculated on the monthly opening principal balance of this sub-account at the Board's prescribed interest rates. Based on this guidance, OHL commenced to defer professional accounting fees, changes to financial system, attributable to the transition to IFRS in the sub-account. Staff salaries and staff training costs solely related to IFRS are excluded as they were not incremental.

OHL will continue this account and OHL is not seeking disposition of this account due to the extension of adoption to IFRS being effective January 1, 2015.

1508 Other Regulatory Assets – Sub-account Incremental Capital Charges

This account includes amounts charged by Hydro One based on settlement invoices for Incremental Capital charges. OHL has established account 1508 – sub account Incremental Capital Charges in accordance with the Board requirements. The Board prescribed interest rates are used to calculate the carrying charges and the interest is recorded in a sub-account.

The requested amount is a debit of \$42,781 .

1518 Retail Settlement Variance Account – Retail

This account is used to recover the net differences between the revenues recovered from Retailer Service Agreements and Billing options and the cost of managing the retailer contracts. This variance is incremental costs of providing retail services. The drivers of the costs in this variance are costs associated with the retail settlement process such as hub services and settlement. OHL follows the guidelines as set out in Article 490. OHL will continue recording the variances in this account.

The Board prescribed interest rates are used to calculate the carrying charges and the interest is recorded in a sub-account.

For 2014, OHL is requesting disposition of the December 31, 2012 audited balance plus the forecasted interest through April 30, 2014 for account 1518 – RCVA Retail. The requested amount is a debit of \$47,550 .

1532 Renewable Connection Operation, Maintenance and Administration

This account is used to record incremental operating, maintenance, amortization and administrative expenses directly related to expansions to connect renewable generation facilities, and renewable enabling improvements, both as defined in the Distribution System Code, should be recorded in this operating deferral account. In addition, costs that can be recorded in this account include expenses associated with preparing a GEA Plan and expenses associated with changes to a distributor's Customer Information

System to enable the automated settlement of FIT (Feed-in Tariff) or MicroFIT contracts. OHL will discontinue recording variance in this account due to the new Distribution Plan filing requirements.

The Board's prescribed interest rates are used to calculate the carrying charges and the interest is recorded in a sub-account.

The Guidelines, G-2009-0087: Deemed Conditions of License: Distribution System Planning issued June 16, 2009 formed preliminary guidelines to create a structure for distributors to follow in preparing a plan for review and approval by the Board in relation to renewable generation and/or the development of a smart grid. OHL contracted a consultant to assist us in preparing such a plan and it was submitted with our 2010 COS application, EB-2010-0272. OEB staff was still working out the specifics of the plan at that time and OHL withdrew the Green Energy plan from our application. The costs listed below are the costs that were incurred in development of the Green Energy plan, education of staff and customers.

Description	2009	2010	2011	2012	2013	2014	Total
Consultant - GEA Plan	16,378						16,378
Staff Training	2,913						2,913
GEA Education for Staff	5,114						5,114
GEA Education for Business/Community	1,180	7,302					8,482
Science Workshop		10,522					10,522
Website Modifications	-	797					797
Incremental Labour	648						648
Carrying Charges		294	862	659	659	220	2,694
Total	26,234	18,915	862	659	659	220	47,550

The Board's prescribed interest rates are used to calculate the carrying charges and the interest is recorded in a sub-account.

For 2014, OHL is requesting disposition of the December 31, 2012 audited balance plus the forecasted interest through April 30, 2014 for account 1532 – Renewable Connection Operation, Maintenance and Administration. The requested amount is a debit of \$(825)

1548 Retail Settlement Variance Account – Service Transaction Request

This account is used to recover the net differences between the revenues recovered from Service Transaction Requests (as described in the 2000 EDRH) and the incremental costs of providing these services. The variance driver is the costs OHL is charged to send the service transaction requests. OHL follows the guidelines as set out in Article 490. OHL will continue recording the variances in this account.

The Board prescribed interest rates are used to calculate the carrying charges and the interest is recorded in a sub-account.

For 2014, OHL is requesting disposition of the December 31, 2012 audited balance plus the forecasted interest through April 30, 2014 for account 1548 – RCVA STR. The requested amount is a credit of \$(32,043) .

1555 Smart Meter Capital & Recovery Offset Variance-Sub-Account-Stranded Meter Costs

This account is used to recover the net differences between the gross capital cost and accumulated amortization of stranded meters. In the Board's letter dated January 16, 2007 the Board approved the use of a new account to record the stranded costs associated with conventional or accumulation meters removed at the time of installation of smart meters. The distributor must have owned these stranded meters prior to January 1, 2006 in accordance with s.28.4 of the *Ontario Energy Board Act, 1998*. Distributors that are currently part of the government's smart metering initiative as referenced in O.Reg. 427/06 and O.Reg. 428/06 under the *Electricity Act, 1998*, were be allowed to record stranded meter costs in this account. OHL completed installation of smart meters in the spring of 2011 and was approved for disposition in 2012, EB-2012-0039. OHL transferred the smart meters assets into 1860 and transferred the stranded meters along with accumulated amortization were transferred to a sub-account 1555, Smart Meter Capital and Recovery Offset Variance Account 1555, sub-account Stranded Meter Costs.

The stranded meter costs are the pooled residual net book value cost of removed meters, less any net sale proceeds when received, in OHL's case there were no sale

1 proceeds. OHL will discontinue recording any variance in this account once approved
2 for the stranded meters rate rider.

3
4 There are no carrying charges on this sub-account for stranded meters.

5
6 For 2014, OHL is requesting disposition of the December 31, 2012 audited balance plus
7 the forecasted interest through April 30, 2014 for account 1555 – Smart Meter Capital
8 & Recovery Offset Variance-Sub-Account-Stranded Meter Costs. The requested amount
9 is a debit of \$ 373,399 and includes the accumulated amortization in account 1556 as
10 noted below. Please see this exhibit, Tab 5, Schedule 1 for the details and rate riders
11 for disposition on this account.

12 **1556 Smart Meter OM&A Offset Variance-Sub-Account-Stranded Meter Costs**

13 This account is used to record the 2012 depreciation expense of stranded meters after
14 the meters were transferred to this sub-account. Please see this exhibit, Tab 5,
15 Schedule 1 for the details and rate riders for disposition on this account. OHL will
16 discontinue recording any variance in this account once approved

17
18 **1563 Contra Account – Deferred PILS**

19 Amounts recorded in this account are applicable to a distributor using the third
20 accounting method approved for recording entries as set out in the April 2003 FAQ on
21 the Accounting Procedures handbook. OHL received the Board's approval in EB-2011-
22 0190 for the review and disposition of Account 1562. OHL is following the accounting
23 treatment as instructed in the July 2012 FAQs for the Accounting Procedures Handbook.
24 Journal entries were being recorded to clear of the approved balance in Account 1562
25 and the recoveries have drawn down the balance in Account 1563. The 2012 audited
26 balance is a credit of \$ 18,074 . OHL is not seeking disposition of this account as this
27 account will become close to nil once the recovery from the customers is completed.
28 Once the variance in this account is depleted, OHL will discontinue with this account.

29 There are no carrying charges on this sub-account contra for deferred PILs
30
31

1567 OEB Approved CDM Programs

This account shall be used by the distributor to record the difference between the funding awarded for Board-Approved CDM Programs and the actual spending incurred for these Programs. OHL will continue recording in this account due to upcoming investigation of programs to develop to achieve our CDM targets.

OHL has recorded some research activities pertaining to possible Board-approved programs. OHL is not requesting disposition of this account as we have not filed a Tier 2 application to the Board for approval at this time.

1572 Extraordinary Event Costs

This account records the costs of extraordinary events which are not recovered in current rates. In December, 2012 costs from the land account were transferred to the 1572 account and was included in the audited balance of this account. On April 10, 2013, OHL informed the Board Secretary in writing regarding a Z Factor claim. OHL incurred significant expenses resulting from a decommissioning of a distribution station and proposes these expenses qualify as Extraordinary Event Costs. OHL has detailed the request for recovery of these expenses in Tab 4 of this exhibit. Once approved, OHL will not be recording costs in this account until such time an extraordinary event occurs.

The requested amount is a debit of \$ 275,893 .

1576 Accounting Changes under CGAAP

This account records the financial differences arising as a result of changes to accounting depreciation or capitalization policies permitted by the Board under Canadian GAAP. Please see Tab 4, Schedule 1 in this exhibit for further information. After approval in this rate application OHL will not be recording any variance in this account. OHL will draw down the balance in this account over a 5 year period.

There have been no carrying charges applied to this account as the entry was made in December 2012.

OHL is requesting disposition of the December 31, 2012 audited balance plus the forecasted interest through April 30, 2014 for account 1576. Further detail is provided in Tab 4, Schedule 1 of this exhibit. The requested amount is a credit of \$. Further detail of the calculation is provided in Exhibit 2, Tab 5, Schedule 9 and the rate rider calculations are provided in Exhibit 9, Tab 4, Schedule 1.

1592 PILs and Tax Variance for 2006 and Subsequent Years – Sub-account HST/OVAT input Tax Credits (ITCs)

This account is used to record the incremental ITC received in our distribution revenue requirement previously subject to PST and now become subject to HST. OHL used the simplified method outlined in the FAQ's of December 23, 2010 to calculate a detailed one time analysis based on our most recent historic year 2010 to identify the PST included in our OM&A costs and capital spending which would have been removed by the elimination of the PST. OHL has been tracking these amounts in this deferral account until the effective date of OHL's next cost of service rate order. OHL has provided the table below that demonstrates the amounts recorded to the variance account.

	Jul 1/10-Apr 30/11	May 1/11-Apr 30/12	May 1/12-Apr 30/13	May 1/13-Apr 30/14		
	2010	2011	2012	2013	2014	
Capital	\$3,447.70	\$8,619.26	\$13,715.05	\$18,810.85	\$6,838.59	\$51,431.45
OMA	\$9,012.80	\$13,519.21	\$13,519.21	\$13,519.21	\$4,506.40	\$54,076.82
		Carrying Charges	520.58	\$624.30	\$252.01	1,396.90
			520.58	\$693.99	\$264.98	1,479.54

The Board has determined that 50 percent of the confirmed balance in this account shall be returnable to the ratepayers. Account 1592 – Sub-account HST includes a credit balance of which represents 100% of the HST balance at December 31, 2012. For 2014, OHL is requesting 50% disposition of the December 31, 2012 audited balance plus forecasted interest through April 30, 2014. The requested amount is a 50% of credit of (\$108,385) balance of outlined in the Board's Appendix 2-TB below. OHL has reduced the 1592 account by 50% on the EDDVAR continuity schedule. Upon approval, OHL will not continue recording costs in this account.

Appendix 2-TB

Summary of PST Savings from 2009 Historic Year Analysis

	Principal 2010	Principal 2011	Principal 2012	Principal 2013	Principal Jan-April 2014 ¹	Carrying Charges to April 30, 2014	Total Account 1592, sub-account HST/OVAT Balance
OM&A Expenses PST Savings	\$ 2,010	\$ 2,011	\$ 2,012	\$ 2,013	\$ 2,014	\$ -	\$ 10,060
Capital Items PST Savings	\$ 3,448	\$ 8,619	\$ 13,715	\$ 18,811	\$ 6,839	\$ 1,397	\$ 52,828
Total Annual PST Savings ²	\$ 5,458	\$ 10,630	\$ 15,727	\$ 20,824	\$ 8,853	\$ 1,397	\$ 62,888

OHL is thereby requesting disposition a credit \$(54,193) for Account 1592.

1592 PILs and Tax Variance for 2006 and Subsequent Years – Sub-account HST/OVAT input Tax Credits (ITCs) – CONTRA

Due to an oversight, OHL did not report this amount in the RRR Filings for December 31, 2012 balances. OHL will ensure this account be reported in subsequent RRR reporting periods. Upon approval, OHL will not continue recording costs in this account.

DEFERRAL AND VARIANCE ACCOUNT BALANCES

The following Table 9.2 contains account balances from the 2012 Audited Financial Statements as at December 31, 2012 and agrees to the 2012 year end balances for RRR filing 2.1.7 Trial Balance as filed April 30, 2013 with the OEB. The deferral account balances match the latest Audited Financial Statements before forecasted interest.

Table 9.2: December 31, 2012 Audited Balances - Deferral & Variance Accounts				
Group 1 Deferral / Variance Accounts	Account	Principal	Interest	Total
LV Variance Account	1550	235,090	3,513	238,603
RSVA - Wholesale Market Service Charge	1580	(577,430)	(8,301)	(585,731)
RSVA - Retail Transmission Network Charge	1584	11,512	719	12,231
RSVA - Retail Transmission Connection Charge	1586	(3,416)	48	(3,368)
RSVA - Power (excluding Global Adjustment)	1588	(142,215)	(3,935)	(146,150)
RSVA - Global Adjustment	1589	103,319	5,091	108,410
Recovery of Regulatory Asset Balances - 2008	1595	(243,592)	(189,761)	(433,353)
Recovery of Regulatory Asset Balances - 2010	1595	(51,650)	81,386	29,735
Sub-Total		(668,381)	(111,241)	(779,622)
Group 2 Deferral / Variance Accounts				
Other Regulatory Assets - Deferred IFRS Transition Costs	1508	106,284	2,375	108,659
Other Regulatory Assets - Incremental Capital Charges	1508	9,040	336	9,376
Other Regulatory Assets - Late Payment Penalty Recorded to AC in Error	1508	(937)	212	(725)
Retail Cost Variance Account - Retail	1518	41,958	0	41,958
Renewable Connection OM&A	1532	44,855	1,815	46,670
Retail Cost Variance Account - STR	1548	(809)	0	(809)
Smart Meter Capital & Recovery - Sub- Account - Stranded Meter Costs	1555	410,705	0	410,705
Smart Meter OM&A Variance	1556	42,665	0	42,665
Contra Asset - Deferred Payments In Lieu of Taxes	1563	(102,515)	0	(102,515)
Board-Approved CDM Programs Variance Account	1567	4,623	0	4,623
Extraordinary Event Costs	1572	270,589	0	270,589
Accounting Changes under CGAAP	1576	(173,590)	0	(173,590)
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT- Input Tax Credits (ITCs)	1592	(61,833)	(1,041)	(62,874)
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	61,833	1,041	62,874
Sub-Total		652,869	4,738	657,608
Group 1 & Group 2 - Grand Total		(15,512)	(106,502)	(122,014)

- 1 Table 9.3 provides the interest rates that have been used to calculate actual and forecast
- 2 carrying charges on the accounts in accordance with the methodology approved by the Board in
- 3 EB-2006-0117 on November 28, 2006.

Table 9.3: Interest Rates Utilized	
Q1 2008	5.14%
Q2 2008	4.08%
Q3 2008	3.35%
Q4 2008	3.35%
Q1 2009	2.45%
Q2 2009	1.00%
Q3 2009	0.55%
Q4 2009	0.55%
Q1 2010	0.89%
Q2 2010	0.55%
Q3 2010	1.20%
Q4 2010	1.47%
Q1 2011	1.47%
Q2 2011	1.47%
Q3 2011	1.47%
Q4 2011	1.47%
Q1 2012	1.47%
Q2 2012	1.47%
Q3 2012	1.47%
Q4 2012	1.47%
Q1 2013	1.47%
Q2 2013	1.47%

ACCOUNTS REQUESTED FOR DISPOSITION BY WAY OF A DEFERRAL AND VARIANCE
ACCOUNT RATE RIDER

OHL is requesting disposition of the variance accounts noted below according to the Report of the Board EB-2009-0046, which states that “at the time of rebasing, all Account balances should be disposed of unless otherwise justified by the distributor or as required by a specific Board decision or guideline.

OHL has followed the guidelines in the Report of the Board and requests disposition over a one-year period. OHL has provided a continuity schedule of the accounts listed below in Appendix C of this exhibit.

OHL is requesting the disposition of the following Group 1 and Group 2 accounts shown in Tables 2.3, 2.4 and 2.5. These amounts are comprised of the audited balances as of December 31, 2012 and forecasted interest through April 30, 2014. Of note, the Smart Meter Rate Rider is reduced from the 2012 audited balance of \$453,370 to \$373,399 once the depreciation is calculated for 2013. OHL discusses this topic further in this exhibit at Tab 4, Schedule 1.

OHL has also included the LRAM variance that was not included in the 2012 year-end balance but is requesting to be included with the Group 2 rate rider disposal. OHL discusses the LRAM calculations in this exhibit at Tab 6, Schedule 1.

Table 9.4: Accounts Requested for a Deferral and Variance Account Rate Rider

	Account	Principal	Interest to December 31, 2012	Projected Interest to December 31, 2013	Projected Interest to December 31, 2014	Total Claim
Group 1 Deferral / Variance Accounts						
LV Variance Account	1550	235,090	3,513	3,456	1,152	243,211
RSVA - Wholesale Market Service Charge	1580	(577,430)	(8,301)	(8,488)	(2,829)	(597,048)
RSVA - Retail Transmission Network Charge	1584	11,512	719	169	56	12,456
RSVA - Retail Transmission Connection Charge	1586	(3,416)	48	(50)	(17)	(3,434)
RSVA - Power (excluding Global Adjustment)	1588	(142,215)	(3,935)	(2,091)	(697)	(148,937)
RSVA - Global Adjustment	1589	103,319	5,091	1,519	506	110,435
Sub-Total		(373,139)	(2,865)	(5,485)	(1,828)	(383,317)
Group 2 Deferral / Variance Accounts						
Other Regulatory Assets - Incremental Capital Charges	1508	9,040	336	133	44	9,554
Retail Cost Variance Account - Retail	1518	41,958	0	617	206	42,781
Renewable Connection OM&A	1532	44,855	1,815	659	220	47,550
Retail Cost Variance Account - STR	1548	(809)	0	(12)	(4)	(825)
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT- Input Tax Credits (ITCs)	1563	(30,917)	(521)	(454)	(151)	(32,043)
LRAMVA	1568	17,726		261	87	18,074
Extraordinary Event Costs	1572	270,589	0	3,978	1,326	275,893
Sub-Total		352,444	1,630	5,181	1,727	360,982
Group 1 & Group 2 - Grand Total		(20,695)	(1,235)	(304)	(101)	(22,335)
Group 2 - Accounting Changes under CGAAP - Separate Rate Rider						
Accounting Changes under CGAAP	1576	(1,052,590)	0	0	0	(1,052,590)
Group 2 - Stranded Meters - Separate Rate Rider						
Smart Meter Capital & Recovery - Sub- Account - Stranded Meter Costs	1555	410,705	0	0	0	410,705
Smart Meter OM&A Variance	1556	42,665	0	0	0	42,665
Total		453,370				453,370

OHL is not requesting disposal of the following Group 2 accounts:

Group 2 Deferral and Variance Accounts NOT Requesting Disposition	Account	Principal	Interest to December 31, 2012	Total to December 31, 2012
Other Regulatory Assets - Deferred IFRS Transition Costs	1508	106,284	2,375	108,659
Board-Approved CDM Programs Variance Account	1567	4,623	0	4,623

METHOD OF DISPOSITION

Allocators

OHL's allocators are based on our latest board-approved load forecast, the 2010 Cost of service load forecast EB-2009-0272.

Rate Class (Enter Rate Classes in cells below)	Units	# of Customers	Metered kWh	Metered kW	Billed kWh for Non-RPP Customers	Estimated kW for Non-RPP Customers	Distribution Revenue ¹
Residential Service	kWh	10,045	85,739,256		15,872,031	-	3,154,030
General Service Less than 50kW	kWh	1,081	38,644,867		6,146,063	-	812,424
General Service 50 to 4,999 kW	kW	133	123,337,329	294,391	118,258,039	282,268	838,254
Street Light	kW	2,724	1,787,017	5,069	1,682,166	4,771	47,858
Sentinel Lighting	kW	170	129,053	357	9,001	25	6,384
Unmetered Scattered Load	kWh	151	374,473			-	14,621
Total		14,303	250,011,995	299,818	141,967,300	287,064	4,873,572

Based on this data OHL has utilized the Board's EDDVAR model to allocate the Group 1 and Group 2 accounts – excluding GA Power to the classes as shown below:

Table 9.4: Allocation by Class -Group 1 & Group 2 Accounts - excluding GA Power								
Group 1 & Group 2 Accounts - excluding GA Power	Allocator	Residential	<50 kW	>50 kW	Street Light	Sentinel Lighting	UMS	Total Claim
LV Variance Account	kWh	83,407	37,594	119,982	1,738	126	364	243,211
RSVA - Wholesale Market Service Charge	kWh	(204,752)	(92,287)	(294,539)	(4,268)	(308)	(894)	(597,048)
RSVA - Retail Transmission Network Charge	kWh	4,272	1,925	6,145	89	6	19	12,456
RSVA - Retail Transmission Connection Charge	kWh	(1,178)	(531)	(1,694)	(25)	(2)	(5)	(3,434)
RSVA - Power (excluding Global Adjustment)	kWh	(51,077)	(23,022)	(73,475)	(1,065)	(77)	(223)	(148,937)
Other Regulatory Assets - Incremental Capital Charges	Distribution Rev.	6,183	1,593	1,643	94	13	29	9,554
Retail Cost Variance Account - Retail	# of Customers	30,043	3,232	398	8,147	509	452	42,781
Renewable Connection OM&A	# of Customers	33,392	3,592	442	9,056	565	502	47,550
Retail Cost Variance Account - STR	kWh	(579)	(62)	(8)	(157)	(10)	(9)	(825)
PLTs and Tax Variance for 2006 and Subsequent Years - Sub-Account								
HST/OVAT- Input Tax Credits (ITCs)	Distribution Rev.	(20,737)	(5,342)	(5,511)	(315)	(42)	(96)	(32,043)
LRAMVA	Actual Per Class	10,152	3,050	4,872				18,074

The table below allocates the Non-RPP Global Adjustment to the classes below:

Table 9.5: Allocation by Class -RSVA - Global Adjustment								
RSVA - Global Adjustment	Allocator	Residential	<50 kW	>50 kW	Street Light	Sentinel Lighting	UMS	Total Claim
RSVA - Global Adjustment	Non-RPP kWh	12,347	4,781	91,992	1,309	7	0	110,435

The table below allocates the Accounting changes to CGAAP to the classes below:

Table 9.6: Allocation by Class -Accounting Changes under CGAAP								
Accounting Changes under CGAAP	Allocator	Residential	<50 kW	>50 kW	Street Light	Sentinel Lighting	UMS	Total Claim
Accounting Changes under CGAAP	Distribution Rev.	(681,205)	(175,467)	(181,045)	(10,336)	(1,379)	(3,158)	(1,052,590)

Calculation of Rate Riders

The table below summarizes the variables used to determine the proposed regulatory asset rate rider by rate class for the Group 1 and Group 2 accounts, excluding the Non-RPP rate rider for the 1588 Sub-Account Global Adjustment. The billing determinants are based on the 2010 Test Year forecast load data entered in the OEB EDDVAR Model and calculated for a one-year disposition period.

Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.)

Rate Class (Enter Rate Classes in cells below)	Units	kW / kWh / # of Customers	Allocated Balance (excluding 1589)	Rate Rider for Deferral/Variance Accounts	
Residential Service	kWh	85,739,256	-\$ 16,259	- 0.0002	\$/kWh
General Service Less than 50kW	kWh	38,644,867	-\$ 27,613	- 0.0007	\$/kWh
General Service 50 to 4,999 kW	kW	294,391	-\$ 105,640	- 0.3588	\$/kW
Street Light	kW	5,069	\$ 15,268	3.0122	\$/kW
Sentinel Lighting	kW	357	\$ 922	2.5804	\$/kW
Unmetered Scattered Load	kWh	374,473	\$ 551	0.0015	\$/kWh
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
Total			-\$ 132,770		

The table below summarizes the variables used to determine the proposed non-RPP global adjustment rate rider by rate class. The billing determinants are based on the 2010 Test Year forecast load data and calculated for a one-year disposition period.

Rate Rider Calculation for RSVA - Power - Global Adjustment

Rate Class (Enter Rate Classes in cells below)	Units	Non-RPP kW / kWh / # of Customers	Balance of RSVA - Power - Global Adjustment	Rate Rider for RSVA - Power - Global Adjustment	
Residential Service	kWh	15,872,031	\$ 12,347	0.0008	\$/kWh
General Service Less than 50kW	kWh	6,146,063	\$ 4,781	0.0008	\$/kWh
General Service 50 to 4,999 kW	kW	282,267	\$ 91,992	0.3259	\$/kW
Street Light	kW	4,771	\$ 1,309	0.2743	\$/kW
Sentinel Lighting	kW	25	\$ 7	0.2809	\$/kW
Unmetered Scattered Load	kWh	-	\$ -	-	\$/kWh
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
Total			\$ 110,435		

1572 – Extraordinary Event Costs

Z Factor: Extraordinary Event – Remediation Costs due to Contamination of Land

Overview

Since the late 1980's, OHL has been converting of 4 kV to the 27.6 voltage to eliminate our existing 44/4 kV substations. OHL completed one section of the Town of Orangeville and dismantled one of the five distribution stations in the fall of 2010. OHL contracted Greenport Environmental to complete a Phase 1 environmental assessment. This report can be found in Appendix A. This report indicated contaminants thus we had to complete an extensive Phase 2 environmental assessment. This report can be found in Appendix B. After receipt of the Phase 2 report, July 29, 2011 the report was reviewed by the OHL Board of Directors. OHL received a proposal from R.J. Burnside & Associates Limited that developed the scope of work to remediate the land and hired a contractor to excavate and remediate the site in the fall of 2012. During the remediation, OHL incurred additional costs because the contractor had to dig deeper than anticipated, however it was found that the depth of the contaminants to achieve full remediation was not possible. A decision was made to stop excavation and entomb the site. The land use is limited due to the contamination that still exists. A valuation of the land was determined at \$100,000. OHL has provided a closure report in Appendix A that was prepared by R.J. Burnside and Associates giving details of the events during the remediation project.

Description of Event

At the end of 2010, OHL dismantled a distribution station as it was no longer required. The intent of management was to sell the property to the benefit of customers. Since transformers had been stored on this property, management felt it prudent to test the soil for PCBs. Greenport Environment prepared the Phase 1 assessment report of the site at a cost of \$9,450. The report indicated that although there were no PCBs present the land was contaminated with heavy metals and arsenic. This raised a great concern in respect of a potential environmental disaster as the property abuts Mill Creek which flows into the Credit River. A Phase 2 environmental assessment was commissioned during 2011 at a cost of \$28,820. This also included testing of the creek bed. It was determined that nothing had leached into Mill Creek from OHL's property. Of note, the environmental consultant surmised that these contaminants

1 were not as a result of hydro operations but likely were placed there as fill in the early 1900's,
2 long before Orangeville Hydro owned the property and at a time when environmental
3 regulations were less-stringent.
4 Management received quotes to excavate and remove the contaminated soil along with site
5 rehabilitation. Management asked the environmental consultant if the site could just be paved
6 over and capped. Since a certain amount of excavation and remediation would still be required,
7 the costs were almost the same and the site would still be considered contaminated. It was
8 determined that the most prudent plan of action to avoid any future potential contamination of
9 the creek would be to proceed with the option of the entire excavation and remediation. During
10 the course of 2012 digging commenced, however during this process, it was found that the
11 depth of the contaminants increased. This phase amounted to \$325,868 including project
12 management fees and also included the brick structure that existed on this site. In order to limit
13 costs, the environmental consultant suggested entombing the site with a rubber membrane so
14 that nothing could leach into or out of OHL's property. The original book value of the land was
15 \$6,471 . OHL received a valuation of the land amounting to \$100,000. OHL seeks to recover \$
16 275,893 over a one year period and the recovery of this amount has been included within the
17 EDDVAR model for the Group 1 and Group 2 variance accounts.

18 **Z-Factor Eligibility Criteria**

19
20 The following analysis and report identifies that the amount applied for meets the regulatory
21 principles of causation, materiality, and prudence and should be therefore included in the 2014
22 approved rates for OHL.

23 **Causation**

24
25
26 The costs OHL is requesting for recovery are directly attributable to the remediation of the land
27 that was required to bring the land to acceptable standards and to avoid a potential
28 environmental disaster and future liability. OHL was anticipating the sale of the land at a
29 reasonable price. The phase 1 and phase 2 reports indicated a clean-up was required to avoid
30 future liability and protection of the environment.

31
32 The schedule below outlines the costs incurred.
33

Original Book Value Write-Down	Environmental Assessments	Environmental Consultant-Project Manager	Excavation & Disposal, Demolition of Structure	Total Cost	Land Value	Carrying Charges	Cost Claim
6,471	38,250	98,666	227,202	370,589	100,000	5,304	275,893

Materiality

The Board's materiality threshold \$50,000 is for a distributor with a distribution revenue requirement less than or equal to 10 million based on OHL's applied for 2014 revenue requirement of \$ 5,056,960. As noted in the schedule above the costs totaling \$275,893 exceeds the materiality threshold determined by the Board.

Prudence

As a matter of public safety, being prudent to avoid future costs and liabilities, and to avoid a potential environmental disaster, management took the necessary measures to remediate the property where a hydro substation had been located abutting Mill Creek which flows into the Credit River.

Historical Expenditures on Environmental Issues

OHL has not experienced any previous events such as this and does not include a budgeted amount to deal with such issues. This was a rare occurrence.

Carrying Charges

While seeking recovery OHL has recorded these expenses in account 1572 – Extraordinary Event Costs and has applied carrying charges at the current Board prescribed rate, until April 30th 2013. Carrying Charges are summarized in the Table below.

Month	Principal	Carrying Charge Rate	Carrying Charge	Total Principal & Carrying Charges
Jan 1, 13 to Dec 31, 13	270,589	1.47%	3,978	
Jan 1, 14 to April 30, 14	270,589	1.47%	1,326	
Total	270,589		5,304	275,893

APPENDIX A

R.J. BURNSIDE & ASSOCIATES CLOSURE REPORT



BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

**Remediation Closure Report
Orangeville Hydro Sub-Station
45 Mill Street
Orangeville, Ontario**

Prepared By:

R.J. Burnside & Associates Limited
292 Speedvale Avenue West Unit 20 Guelph ON N1H 1C4

February 2013

File No: 300031699

The material in this report reflects best judgement in light of the information available at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. R.J. Burnside & Associates Limited accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

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1.0 Introduction

R.J. Burnside & Associates Limited (Burnside) was retained by Orangeville Hydro to complete engineering consulting services related to remediation of the Orangeville Hydro sub-station located at the corner of Church Street and Mill Street in Orangeville, Ontario. The property is located at 45 Mill Street and is bounded to the north by Mill Creek; Mill Street to the east; Church Street to the south and parkland to the west. The property will be referred to hereafter as the "Site." Figure 1 illustrates the Site location.

1.1 Site Description

The Site covers an area of approximately 38 m by 32 m. It is a square parcel of land located in the Orangeville downtown area. Prior to remediation, there was one building on Site which was used as storage space for camping and other outdoor related equipment.

The surrounding land use is primarily residential and parkland. Mill Creek lies directly to the north of the Site and flows in an easterly direction. Directly west of the Site lies parkland. To the south, across Church Street are residential apartment buildings. To the east, across Mill street lies the commercial property of Dickson & Hicks Architects Inc. and further east lays residential housing. Figure 2 provides an overview of the Site and surrounding properties.

1.2 Property Ownership

The Site is approximately 1,261 m² (0.12 ha) in size and was occupied by a former hydro power sub-station. The sub-station has since been dismantled. The Site is currently owned by Orangeville Hydro.

1.3 Phase One Environmental Site Assessment

In August 2010, Burnside completed a Phase One ESA of the Site. The Phase One ESA noted the following potential issues:

- Potential presence of PBs in soil
- Potential presence of PCBS and/or asbestos in building
- Quality of fill on Site

During the Phase One ESA, Burnside hand dug eight test pits that were each 0.6 m deep. A layer of surficial imported fill was encountered at all locations. Soil samples were collected from each test pit, and analyzed for metals, petroleum hydrocarbons (PHCs), volatile organic compounds (VOCs), and PCBs. Arsenic exceeded the MOE

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Table 8 Standard in all of the samples. Cadmium, zinc, lead, and F3 PHC exceeded their respective MOE Table 8 Standards in some of the samples.

1.4 Phase Two Environmental Site Assessment

In June 2011, Burnside completed a Phase Two ESA at the Site. Eight soil borings were installed in the northern half of the Site at depths ranging from 3 to 4.5 m. Three of the borings were completed as monitoring wells. Two hand dug test pits were installed in the southern half of the Site. The sampling locations are provided on Figure 3.

Soil samples from all 8 soil borings and the 2 test pits were submitted to a laboratory for metals analyses. Soil samples were field screened for stains, odours, and photoionization detector (PID) readings. From the screening process, six samples were submitted for analysis of petroleum hydrocarbons, six other samples were submitted for benzene, toluene, ethylbenzene, and xylenes (BTEX), and samples from the two test pits were submitted for PCBs.

Various metals (arsenic, cadmium, lead, molybdenum, and zinc) concentrations exceeded the MOE standards at all locations, except BH2 and BH5 (the sample from BH5 was collected from the native soil under the fill layer). Petroleum hydrocarbons exceeded the MOE standards in samples from five locations. BTEX and PCBs were not detected in any of the soil samples.

Groundwater samples from all three wells contained metals above the MOE Table 8 standards. Petroleum hydrocarbons were detected in all the groundwater samples, but at concentrations below the MOE standards. BTEX was not detected in the groundwater samples.

1.5 Areas Requiring Remediation

Based on the sample results from the Phase One ESA and Phase Two ESA, The following areas of environmental impacts were identified at the Site:

Area 1: Northern Portion: Granular Fill

Elevated concentrations (above the 2009 Table 8 SCS) of arsenic, cadmium, lead and zinc were present within the granular fill layer in the northern portion of the Site. The granular fill layer in the northern portion of the Site was estimated to have an average thickness of 0.47 m. In two cases (BH6-11 and BH8-11) the concentration of molybdenum was above the 2009 Table 8 SCS.

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Metal impacts may be attributed to the historic preservation of utility poles using an arsenic based preservative known as CCA. Impacts may also be attributed to poor quality imported fill as evidenced by the debris observed in the granular material.

Elevated concentrations (above the 2009 Table 8 SCS) of PHC F2, F3 and F4 were also present within the granular fill in the northern portion of the Site. These impacts appear to be centralized around the building and former sub-station. The PHC impacts may be attributed to historical activities related to the former sub-station.

Groundwater impacts were noted in the northern portion of the Site. The results of the laboratory analysis indicate that concentrations of various metals were above the 2009 Table 8 SCS in the shallow groundwater in the northern section of the Site. Concentrations of antimony, arsenic, cadmium, copper, selenium and silver were found to be above the Table 8 SCS. Metal impacts in the shallow groundwater may be attributed to the historic preservation of utility poles using an arsenic based preservative known as CCA. The groundwater impacts may also be attributed to poor quality imported fill as evident by the debris observed in the granular material.

PHC F2 and F3 were also detected in the groundwater however concentrations were below the Table 8 SCS.

Area 2: Southern Portion: Granular Fill

Elevated concentrations (above the 2009 Table 8 SCS) of arsenic, cadmium and lead were present within the granular fill at the southern portion of the Site. The granular fill layer in the southern portion of the Site was estimated to be 0.61 m in thickness. The southern portion of the Site was used as a storage area for hydro poles. As a result, metal impacts may be attributed to the historic preservation of utility poles using an arsenic based preservative known as CCA.

1.6 Current and Proposed Future Land Uses

Historically the Site has been used as a hydro power sub-station owned by Orangeville Hydro. Orangeville Hydro recently dismantled the sub-station. At the time of the remediation, the Site was unused with the exception of the small brick structure, which was used for storage of camping and other outdoor related equipment. The remainder of the Site consisted of a gravel area where the former substation was located and a grass area which may have been used as a storage area for hydro poles. A single hydro pole was present at the north boundary and a concrete pad was present west of the Site building where the former transformer was located.

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When the remediation began, it was hoped that the Site could be remediated to the point it could become parkland, and become part of the adjacent municipal park to the west. The volumes of contaminated soil encountered in the field were greater than expected, and remediation to parkland standards could not be finished. The Site was backfilled with a gravel surface layer so that it could be potentially finished one day as a parking lot. Future use as a parking lot would require a new CVC permit.

1.7 Applicable Site Condition Standards

For characterization purposes, the soil and groundwater data generated during the Site remediation were compared to the "Soil, Ground Water and Sediment Standards for Use under Part XV.1 of the Environmental Protection Act" issued by the Ontario Ministry Of Environment (MOE). The most recent revisions to the MOE's soil, groundwater, and sediment standards took effect in July 2011, and these were the standards used for this project.

Table 8 of the MOE standards is to be applied if groundwater in the area is potable, and if the property includes all or part of a water body, or includes land that is within 30 m of a water body. Regulation 153/04 defines a "water body" as a permanent stream, river or similar water course or a pond or lake, but does not include a pond constructed on the property for the purpose of controlling water drainage. Mill Creek, a tributary of the Credit River, lies directly north of the Site property boundary, and fits the description of a "water body" outlined by the regulation.

Due to the presence of Mill Creek directly north of the Site property boundary, the results of the soil sample analyses generated during the remediation were compared to the MOE's 2009 "Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition" (2009 Table 8 SCS) as outlined in Ontario Regulation 511/09.

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2.0 Work Plan and Site Preparation

2.1 Waste Characterization

On September 13, 2012, Burnside hand dug a composite sample of fill material from the Site. The sample of contaminated fill soil was submitted for TCLP analysis of the Newalta list of metals and VOCs for waste characterization purposes. The analysis confirmed that the surficial fill soils at the Site could be disposed as non-hazardous waste.

2.1.1 Contaminated Soil Removal

The remedial action plan called for the contaminated fill beneath the Site to be excavated and loaded directly into trucks for transport to a licensed landfill. Previous drilling at the Site indicated the fill had an average thickness of 0.47 m beneath the northern portion of the Site, and 0.61 m beneath the southern portion of the Site.

After removal of contaminated soils, confirmatory soil samples were to be collected from the base and sidewalls of the excavation. Confirmatory soil samples were to be collected at a frequency in compliance with the MOE requirements. Confirmatory soil samples were analyzed on a 24 hour turnaround for F2 to F4 petroleum hydrocarbons, metals, and Polyaromatic Hydrocarbons (PAHs). If any sample results exceeded the Table 8 Standards, further excavation was to be completed, and confirmatory sampling repeated for all parameters that exceeded the Table 8 Standards.

2.1.3 Volume and Weight of Soil

The Site has an area of 1,261 m². The average thickness of contaminated fill across the Site was 0.53 m ((0.47 m + 0.61 m)/2). The total volume of contaminated soil was thus estimated to be 668 m³ (1,261 m² X 0.53 m). Assuming a compacted density of 2.1 tonnes /m³, the total weight of contaminated soil was estimated at 1,403 tonnes.

2.1.4 Building, Pad, and Adjacent Streets

There was a concrete pad on Site that was to be broken up and disposed off Site with the contaminated soil during remediation.

The on Site building and its foundation were also removed. Sufficient bricks were recovered from the building to make a new 100 ft² section of wall. The bricks were transported to Orangeville Hydro's main yard for potential reuse one day at the Site.

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The remedial excavation was bounded by Mill Street to the east and Church Street to the South. The excavation was sloped back 45 degrees to protect roads, curbs, sidewalks, or buried utilities that run parallel to the streets.

2.1.5 Monitoring Wells

There are currently three monitoring wells located on Site, at the locations shown on Figure 3. These wells were protected and maintained during the excavation of contaminated soil.

2.1.6 Dust Control

Considering that the Site is near residential dwellings and commercial operations, and that the surficial fill soils were contaminated by metals, dust issues could have resulted in work stoppages and unwarranted delays. Accordingly, the contractor had a water tank available on Site for wetting down soils. However, there was sufficient rainfall during the Site works to keep soils moist, and dust was not an issue.

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3.0 Credit Valley Conservation Permit

The Site is located in the flood plain for Mill Creek, which falls under Credit Valley Conservation's (CVC's) authority. Accordingly, a permit from CVC was required before construction could begin at the Site.

Burnside met with CVC representative Ken Thajer at the Site on July 5, 2012 to outline the project and get the CVC's initial comments on permit requirements. The CVC's main concerns included:

- Erosion and sediment controls be installed prior to construction
- Final Site grading should match the pre-existing Site grading
- Grain size of imported fill should match the grain size of the soil that is removed

On July 12, 2012, Burnside submitted a permit application to CVC on behalf of Orangeville Hydro. Copies of the application and the accompanying drawings are provided in Appendix A.

On July 17, 2012, the CVC issued a permit for the project.

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4.0 Remediation Summary

4.1 Mobilization and Building Demolition

On September 26, 2012 Killarney Construction (Killarney) mobilized to install the required security fencing along the perimeter of the Site. On October 1, 2012, Killarney put up the Site demolition hoarding and started demolition of the on-Site building. Completion of the building demolition was on October 5, 2012. A 100 foot square area of bricks was saved and transported to Orangeville Hydro's yard for potential re-use.

Upon completion of the demolition of the building, Killarney observed a dark black layer of soil suspected to be impacted soil directly beneath the foundation of the building. On October 5, 2012, Burnside personnel attended the Site to collect a soil sample from the dark black soil to be analyzed for BTEX F1-F4, VOCs, PAHs and PCB compounds as well as for inorganics (metals). The soil sample was collected at the location named "Found" on Figure 4. The lab analyses indicated that there were no PCBs present at the area of concern, but there were exceedances of the MOE's Table 8 Standards for BTEX, carbon tetrachloride, hexane, several metals, naphthalene, 1 and 2 methylnaphthalene, and F1 and F2 PHCs. The results of the soil sample collected from beneath the foundation are provided in Table 1. Analytical laboratory reports for the remediation project are provided in Appendix B.

4.2 Excavation of First Layer

The first layer (0.0 - 0.60 m) of contaminated soil was excavated from the Site from October 16, 2012 to October 19, 2012. Approximately 1388.87 tonnes of impacted soil was removed. The waste soils were loaded directly into trucks operated by Joseph Haulage Canada. The waste soils were disposed of at the Atlas Landfill in Welland, Ontario. As shown on Figure 4, no excavation occurred in the southeastern portion of the Site. The southwestern portion was left as a staging area that the contractor intended to excavate last, but that work never occurred.

Subsequent to the removal of soil from the 0.0-0.60 m depth, composite confirmatory soil samples were obtained from the base at the grid of sample locations shown on Figure 4. The confirmatory soil samples were analyzed for BTEX, F1-F4 Fractions, PAHs, and Metals.

All of the confirmatory soil samples contained arsenic at concentrations exceeding the MOE's Table 8 Standards. Some of the samples also contained antimony, cadmium, lead, selenium, silver, zinc, and mercury at concentrations exceeding their respective Standards.

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Six samples showed exceedences of the MOE Table 8 Standards for various PAHs. Four samples showed exceedences of the MOE Table 8 Standard for F2 petroleum hydrocarbons, and one sample showed an exceedence for F3 petroleum hydrocarbons.

Based on the exceedences of MOE Table 8 Standards in all of the confirmatory soil samples, a second layer of soil was excavated.

4.3 Excavation of Second Layer

Excavation of the second layer of material from the 0.60-0.90 m depths from the Site commenced on October 26, 2012 and was completed on October 29, 2012 with a total of 564.84 tonnes of impacted soil being removed from the Site.

After the removal of soil from the 0.60-0.90 m depth, composite confirmatory soil samples were obtained from the base at the grid of sample locations shown on Figure 4. The confirmatory soil samples were analyzed for BTEX, F1-F4 Fractions, PAHs, and Metals. The sample results are summarized in Table 3.

There were exceedences of the MOE Table 8 Standard for arsenic in all samples, although concentrations were lower than those detected in the first round of confirmatory soil samples. There were also exceedences of the MOE Table 8 Standards for antimony in 4 samples, copper in 2 samples, and various PAHs in 3 samples.

4.4 Backfilling

After the second round of confirmatory soil sample results was received, a meeting was convened between Burnside, Orangeville Hydro, and the contractor. Different options were discussed, including excavation of a third lift of soil from 0.90-1.20 m depth, or a test pitting program at multiple locations on Site to determine the exact depth of contamination exceeding the MOE's Table 8 Standards. However, as the volume of soil that was budgeted for removal had already been exceeded, Orangeville Hydro decided to cease excavation and instead backfill the Site and "rough in" a gravel parking lot.

Prior to commencing backfilling activity, Killarney Construction installed a Geo-membrane Terrafix 270R fabric material which was applied to the excavation side slopes and the entire bottom of the excavation to prevent migration of on Site impacted material to adjacent non impacted material. The geotextile will also serve as a visual marker for contaminated versus non-contaminated soils if future construction occurs at the Site.

Backfilling of the excavation commenced on November 6, 2012, and was completed on November 9, 2012. A total of 2040.08 tonnes of sand material was backfilled into the

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Orangeville Hydro Sub-Station
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excavated area. Compaction testing provided by CMT Engineering confirmed 95 percent Standard Proctor Density compaction for the entire Site. Killarney Construction backfilled the top 0.20 m with 214.16 tonnes of granular A material.

Burnside informed the CVC that the project would not be completed as planned because the quantities of contaminated soil encountered were more than had been budgeted for. The CVC advised that while it was acceptable to complete this stage of the project by roughing in a parking lot, that a new CVC permit would be required before the Site could be finished (e.g., paved or storm sewers installed) or actually used as a parking lot.

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5.0 Conclusions

Based on the work completed to date at the Site, Burnside offers the following conclusions:

- Approximately 1,954 tonnes of contaminated soil were removed from the Site and disposed of at the Atlas Landfill, located in Welland, Ontario.
- Contaminated soils were removed to a depth of 0.90 m below grade, with the exception of the southeastern portion of the Site, which was used as a staging area.
- The contaminated soils left in place beneath the 0.90 m depth contain concentrations of arsenic at all sampling locations that exceed the MOE Table 8 Standard. The concentrations of antimony, copper, and various PAHs also exceeded MOE Table 8 Standards in a minority of the sampling locations.
- The base and sidewalls of the excavation were covered in a geotextile to denote the boundary between contaminated soils left in place versus clean imported backfill;
- The Site was backfilled and compacted. The top 20 cm was covered in granular A.
- The Site may potentially be used as a parking lot for commercial/industrial purposes, without requiring a Record of Site Condition. However, a permit would be required from the CVC.

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6.0 Limitations and Use of Report

The conclusions in this report are professional opinions based upon observations of the Site conditions existing at the time of our assessment. This report has been prepared in accordance with accepted environmental study and/or engineering practices for environmental remediation under Ontario Regulation 511/09.

Burnside does not guarantee the accuracy and reliability of the information provided by other persons or agencies.

This report was prepared for the exclusive use of Orangeville Hydro. Any use of, reliance on, or decisions based on this report by a third party are the responsibility of such third parties. Burnside accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. Reports or memoranda resulting from this assignment are not to be used, in whole or in part, outside the client's organization without prior written permission.

Respectfully Submitted,

R.J. Burnside & Associates Limited

A blue ink signature, appearing to read 'PH', written in a stylized, cursive script.

Peter Hicks, P.Eng., B.A., QP_{ESA}
Senior Environmental Engineer

A blue ink signature, appearing to read 'Max McCormick', written in a stylized, cursive script.

Max McCormick, C.Tech.
Environmental Project Coordinator



BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Tables

Table 1
Results For Confirmatory Soil Sample Collected Beneath Building Foundation
45 Mill Street, Orangeville, Orangeville Hydro

VOLATILE ORGANIC COMPOUNDS IN SOIL

	Criteria	Found
Acetone	0.5	<1.0
Benzene	0.02	0.054
Bromodichloromethane	0.05	<0.10
Bromoform	0.05	<0.10
Bromomethane	0.05	<0.10
Carbon Tetrachloride	0.05	0.1
Chlorobenzene	0.05	<0.10
Chloroform	0.05	<0.10
Dibromochloromethane	0.05	<0.10
1,2-Dichlorobenzene	0.05	<0.10
1,3-Dichlorobenzene	0.05	<0.10
1,4-Dichlorobenzene	0.05	<0.10
1,1-Dichloroethane	0.05	<0.10
1,2-Dichloroethane	0.05	<0.10
1,1-Dichloroethylene	0.05	<0.10
Cis-1,2-Dichloroethylene	0.05	<0.10
Trans-1,2-Dichloroethylene	0.05	<0.10
1,2-Dichloropropane	0.05	<0.10
Cis-1,3-Dichloropropylene	0.05	<0.060
Trans-1,3-Dichloropropylene	0.05	<0.080
Ethylbenzene	0.05	0.63
Ethylene Dibromide	0.05	<0.10
Methyl Ethyl Ketone	0.5	<1.0
Methylene Chloride	0.05	<0.10
Methyl Isobutyl Ketone	0.5	<1.0
Methyl-t-Butyl Ether	0.05	<0.10
Styrene	0.05	<0.20
1,1,1,2-Tetrachloroethane	0.05	<0.10
1,1,2,2-Tetrachloroethane	0.05	<0.10
Toluene	0.2	1.1
Tetrachloroethylene	0.05	<0.10
1,1,1-Trichloroethane	0.05	<0.10
1,1,2-Trichloroethane	0.05	<0.10
Trichloroethylene	0.05	<0.10
Vinyl Chloride	0.02	<0.040
m-Xylene & p-Xylene	NV	3.5
o-Xylene	NV	3.3
Total Xylenes	0.05	6.8
Dichlorodifluoromethane	0.05	<0.10
Dioxane, 1,4-	0.2	
Hexane(n)	0.05	0.48
Trichlorofluoromethane	0.25	<0.10

Bold Denotes Criteria Exceedance

ND = Not detected

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body
in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Table 1
Results For Confirmatory Soil Samples Collected Beneath Building Foundation
45 Mill Street, Orangeville, Orangeville Hydro

INORGANIC PARAMETERS IN SOIL

	Criteria	Units	Found
Antimony	1.3	ug/g	4.2
Arsenic	18	ug/g	120
Barium	220	ug/g	250
Beryllium	2.5	ug/g	3.6
Boron (Hot Water Soluble)	1.5	ug/g	2.5
Cadmium	1.2	ug/g	0.44
Chromium	70	ug/g	15
Chromium VI	0.66	ug/g	<0.2
Cobalt	22	ug/g	14
Copper	92	ug/g	60
Lead	120	ug/g	120
Mercury	0.27	ug/g	<0.050
Molybdenum	2	ug/g	7.2
Nickel	82	ug/g	31
Selenium	1.5	ug/g	2.8
Silver	0.5	ug/g	<0.20
Thallium	1	ug/g	1.3
Vanadium	86	ug/g	52
Zinc	290	ug/g	110
pH (pH Units)	NV	pH	7.12
Conductivity (ms/cm)	0.7	mS/cm	2.4
Sodium Adsorption Ratio	5	N/A	0.083
Cyanide, Free	0.051	ug/g	0.03
Chloride	NV	-	
Boron (Total)	36	ug/g	62
Uranium	2.5	ug/g	2.2

Bold Denotes Criteria Exceedance

ND = Not detected

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

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Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property
Use

Table 1
Results For Confirmatory Soil Sample Collected Beneath Building Foundation
45 Mill Street, Orangeville, Orangeville Hydro

ORGANOCHLORINATED PESTICIDES & PCBs IN SOIL

	Criteria	Found
Aldrin	0.05	
Chlordane (alpha)	NV	
Chlordane (gamma)	NV	
Chlordane (total)	0.05	
o,p DDD	NV	
p,p-DDD	NV	
DDD (total)	0.05	
o,p DDE	NV	
p,p-DDE	NV	
DDE (total)	0.05	
op-DDT	NV	
pp-DDT	NV	
DDT (total)	0.078	
Dieldrin	0.05	
Endosulphan I	NV	
Endosulphan II	NV	
Total Endosulphan	0.04	
Endrin	0.04	
Hepatchlor	0.05	
Hepatchlor Epoxide	0.05	
Lindane	0.01	
Methoxychlor	0.05	
Total PCB	0.3	<0.030

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in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property
Use

Table 1
Results For Confirmatory Soil Sample Collected Beneath Building Foundation
45 Mill Street, Orangeville, Orangeville Hydro

POLYCYCLIC AROMATIC HYDROCARBONS IN SOIL

	Criteria	Found
Acenaphthene	0.072	0.023
Acenaphthylene	0.093	0.0059
Anthracene	0.22	0.038
Benzo(a)anthracene	0.36	0.088
Benzo(a)pyrene	0.3	0.036
Benzo(b/j)fluoranthene	0.47	0.062
Benzo(ghi)perylene	0.68	0.021
Benzo(k)fluoranthene	0.48	0.01
Chrysene	2.8	0.1
Dibenzo(a,h)anthracene	0.1	0.0065
Fluoranthene	0.69	0.11
Fluorene	0.19	<0.20
Indeno(1,2,3-cd)pyrene	0.23	0.015
1-Methylnaphthalene	0.59	0.75
2-Methylnaphthalene	0.59	0.9
Naphthalene	0.09	0.54
Phenanthrene	0.69	0.5
Pyrene	1	0.13

Bold Denotes Criteria Exceedance

ND = Not detected

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body
in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property
Use

Table 1
Results For Confirmatory Soil Sample Collected Beneath Building Foundation
45 Mill Street, Orangeville, Orangeville Hydro

BTEX, CCME PETROLEUM HYDROCARBONS In Soil

	Criteria	Found
Benzene	0.02	
Toluene	0.2	
Ethylbenzene	0.05	
m/p xylenes	NV	
o xylene	NV	
Total Xylenes	0.05	
F1 (C6-C10)	25	27
F1 (C6-C10) - BTEX	25	23
F2 (C10-C16)	10	18
F3 (C16-C34)	240	55
F4 (C34-C50)	120	<10

Bold Denotes Criteria Exceedance

ND = Not detected

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body
in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property
Use

Table 2
Results For Confirmatory Soil Samples Collected After Removal of First Layer of Excavation
45 Mill Street, Orangeville. Orangeville Hydro

RESULTS OF ANALYSES OF SOIL

	Units	Criteria	FL1	FL2	FL3	NW1	WW1
Inorganics							
Chromium (VI)	ug/g	0.66	ND	ND	ND	ND	ND
Conductivity	mS/cm	0.7	0.25	0.20	0.21	0.18	0.15
Free Cyanide	ug/g	0.051	0.05	0.02	0.01	ND	ND

	Units	Criteria	FL1	FL2	FL3	NW1	WW1
Metals							
Hot Water Ext. Boron (B)	ug/g	1.5	0.56	0.27	0.28	0.13	0.12
Acid Extractable Antimony (Sb)	ug/g	1.3	2.2	2.6	2.0	12	2.1
Acid Extractable Arsenic (As)	ug/g	18	200	370	410	660	270
Acid Extractable Barium (Ba)	ug/g	220	120	53	65	140	53
Acid Extractable Beryllium (Be)	ug/g	2.5	0.37	0.30	0.32	0.50	0.43
Acid Extractable Boron (B)	ug/g	36	6.0	ND	5.2	11	ND
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.48	0.42	0.29	2.4	0.18
Acid Extractable Chromium (Cr)	ug/g	70	12	11	13	14	16
Acid Extractable Cobalt (Co)	ug/g	22	4.6	4.2	5.0	8.4	7.4
Acid Extractable Copper (Cu)	ug/g	92	32	38	18	77	24
Acid Extractable Lead (Pb)	ug/g	120	320	68	48	250	31
Acid Extractable Molybdenum (Mo)	ug/g	2	1.1	ND	ND	1.1	ND
Acid Extractable Nickel (Ni)	ug/g	82	8.8	7.1	8.5	14	15
Acid Extractable Selenium (Se)	ug/g	1.5	1.1	0.51	0.51	2.2	ND
Acid Extractable Silver (Ag)	ug/g	0.5	ND	ND	ND	0.82	ND
Acid Extractable Thallium (Tl)	ug/g	1	ND	0.072	0.092	0.18	0.098
Acid Extractable Uranium (U)	ug/g	2.5	0.43	0.35	0.34	0.46	0.39
Acid Extractable Vanadium (V)	ug/g	86	23	21	23	27	26
Acid Extractable Zinc (Zn)	ug/g	290	180	150	140	1100	74
Acid Extractable Mercury (Hg)	ug/g	0.27	0.34	0.33	0.24	9.3	0.22

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ND = Not detected

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body
in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Table 2 (cont'd)
Results For Confirmatory Soil Samples Collected After Removal of First Layer of Excavation
45 Mill Street, Orangeville. Orangeville Hydro

RESULTS OF ANALYSES OF SOIL

	Units	Criteria	FL4	FL5	FL6	FL7	FL8	DUP	WW2
Inorganics									
Chromium (VI)	ug/g	0.66	ND	ND	ND	ND	ND	ND	ND
Conductivity	mS/cm	0.7	0.15	0.22	0.23	0.30	0.14	0.20	0.15
Free Cyanide	ug/g	0.051	ND	ND	ND	ND	ND	ND	ND

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

	Units	Criteria	FL4	FL5	FL6	FL7	FL8	DUP	WW2
Metals									
Hot Water Ext. Boron (B)	ug/g	1.5	0.29	0.44	0.26	0.35	0.38	0.40	0.29
Acid Extractable Antimony (Sb)	ug/g	1.3	1.5	1.7	3.3	1.2	2.0	1.5	2.6
Acid Extractable Arsenic (As)	ug/g	18	320	330	620	160	320	290	410
Acid Extractable Barium (Ba)	ug/g	220	45	42	56	22	33	34	53
Acid Extractable Beryllium (Be)	ug/g	2.5	0.25	0.24	0.37	ND	ND	0.25	0.25
Acid Extractable Boron (B)	ug/g	36	ND	ND	ND	ND	ND	ND	ND
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.21	0.13	0.18	ND	0.14	0.14	0.40
Acid Extractable Chromium (Cr)	ug/g	70	18	9.8	14	7.8	6.9	9.9	9.9
Acid Extractable Cobalt (Co)	ug/g	22	3.6	2.8	4.3	2.2	2.0	2.7	3.3
Acid Extractable Copper (Cu)	ug/g	92	11	9.7	15	10	8.4	8.1	17
Acid Extractable Lead (Pb)	ug/g	120	23	20	62	23	19	13	80
Acid Extractable Molybdenum (Mo)	ug/g	2	0.59	ND	ND	ND	ND	ND	ND
Acid Extractable Nickel (Ni)	ug/g	82	5.6	4.5	6.6	3.9	3.1	4.1	6.0
Acid Extractable Selenium (Se)	ug/g	1.5	ND	ND	ND	ND	ND	ND	ND
Acid Extractable Silver (Ag)	ug/g	0.5	ND	ND	ND	ND	ND	ND	ND
Acid Extractable Thallium (Tl)	ug/g	1	0.070	0.052	0.073	ND	ND	ND	0.084
Acid Extractable Uranium (U)	ug/g	2.5	0.28	0.23	0.35	0.25	0.22	0.23	0.27
Acid Extractable Vanadium (V)	ug/g	86	21	21	27	18	18	21	21
Acid Extractable Zinc (Zn)	ug/g	290	180	51	110	47	55	48	240
Acid Extractable Mercury (Hg)	ug/g	0.27	0.12	0.12	0.32	0.054	0.090	0.087	0.31

Bold Denotes Criteria Exceedance

ND = Not detected

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body
in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Table 2 (cont'd)
Results For Confirmatory Soil Samples Collected After Removal of First Layer of Excavation
45 Mill Street, Orangeville. Orangeville Hydro

PETROLEUM HYDROCARBONS (CCME)

	Units	Criteria	FL1	FL2	FL3	NW1	WW1	RDL
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/g	10	800	15	ND	ND	ND	10
F3 (C16-C34 Hydrocarbons)	ug/g	240	3200	110	54	ND	ND	10
F4 (C34-C50 Hydrocarbons)	ug/g	120	ND	ND	11	ND	ND	10

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

	Units	Criteria	FL1	RDL	FL2	FL3	NW1	WW1
Polyaromatic Hydrocarbons								
Acenaphthene	ug/g	0.072	ND	0.10	ND	0.052	ND	ND
Acenaphthylene	ug/g	0.093	ND	0.10	0.057	0.14	ND	0.015
Anthracene	ug/g	0.22	ND	0.10	0.12	0.23	ND	0.021
Benzo(a)anthracene	ug/g	0.36	ND	0.10	0.32	0.73	ND	0.086
Benzo(a)pyrene	ug/g	0.3	ND	0.10	0.30	0.62	ND	0.082
Benzo(b,j)fluoranthene	ug/g	0.47	0.17	0.10	0.43	0.81	0.0051	0.11
Benzo(g,h,i)perylene	ug/g	0.68	ND	0.10	0.22	0.41	ND	0.060
Benzo(k)fluoranthene	ug/g	0.48	ND	0.10	0.15	0.31	ND	0.040
Chrysene	ug/g	2.8	ND	0.10	0.27	0.67	ND	0.076
Dibenz(a,h)anthracene	ug/g	0.1	ND	0.10	0.051	0.13	ND	0.016
Fluoranthene	ug/g	0.69	0.14	0.10	0.82	1.6	0.0070	0.18
Fluorene	ug/g	0.19	ND	0.10	ND	0.11	ND	0.0058
Indeno(1,2,3-cd)pyrene	ug/g	0.23	ND	0.10	0.22	0.45	ND	0.065
1-Methylnaphthalene	ug/g	0.59	ND	0.10	ND	0.032	ND	ND
2-Methylnaphthalene	ug/g	0.59	ND	0.10	ND	0.031	ND	ND
Naphthalene	ug/g	0.09	ND	0.10	ND	0.051	ND	ND
Phenanthrene	ug/g	0.69	0.19	0.10	0.37	1.3	ND	0.085
Pyrene	ug/g	1	0.20	0.10	0.73	1.4	0.0062	0.16

Bold Denotes Criteria Excedance

ND = Not detected

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body
in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Table 2 (cont'd)
Results For Confirmatory Soil Samples Collected After Removal of First Layer of Excavation
45 Mill Street, Orangeville. Orangeville Hydro

PETROLEUM HYDROCARBONS (CCME)

	Units	Criteria	FL4	FL5	FL6	FL7	FL8	DUP	WW2
F2-F4 Hydrocarbons									
F2 (C10-C16 Hydrocarbons)	ug/g	10	ND	ND	ND	ND	ND	28	11
F3 (C16-C34 Hydrocarbons)	ug/g	240	27	21	48	45	26	190	150
F4 (C34-C50 Hydrocarbons)	ug/g	120	ND	ND	ND	ND	ND	ND	20

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

	Units	Criteria	FL4	FL5	FL6	FL7	FL8	DUP	WW2
Polyaromatic Hydrocarbons									
Acenaphthene	ug/g	0.072	0.56	0.024	0.087	0.097	0.0068	0.043	0.12
Acenaphthylene	ug/g	0.093	0.021	0.026	0.065	0.18	0.020	0.016	0.70
Anthracene	ug/g	0.22	0.46	0.066	0.36	0.46	0.026	0.13	0.92
Benzo(a)anthracene	ug/g	0.36	0.91	0.20	1.2	1.5	0.086	0.25	3.5
Benzo(a)pyrene	ug/g	0.3	0.84	0.16	1.0	1.2	0.083	0.17	2.7
Benzo(b/j)fluoranthene	ug/g	0.47	0.81	0.17	0.89	0.94	0.10	0.17	3.2
Benzo(g,h,i)perylene	ug/g	0.68	0.38	0.089	0.40	0.51	0.048	0.082	1.6
Benzo(k)fluoranthene	ug/g	0.48	0.27	0.069	0.32	0.37	0.036	0.065	1.2
Chrysene	ug/g	2.8	0.93	0.21	1.1	1.4	0.12	0.23	3.0
Dibenz(a,h)anthracene	ug/g	0.1	0.076	0.020	0.12	0.13	0.010	0.020	0.36
Fluoranthene	ug/g	0.69	2.1	0.46	1.6	2.6	0.25	0.57	9.1
Fluorene	ug/g	0.19	0.41	0.027	0.11	0.12	0.0086	0.050	0.33
Indeno(1,2,3-cd)pyrene	ug/g	0.23	0.39	0.094	0.49	0.60	0.053	0.093	1.8
1-Methylnaphthalene	ug/g	0.59	0.17	0.0063	0.019	0.018	0.0055	0.0084	0.072
2-Methylnaphthalene	ug/g	0.59	0.28	0.0059	0.026	0.014	0.0051	0.0090	0.068
Naphthalene	ug/g	0.09	0.96	0.0074	0.051	0.015	0.0054	0.014	0.086
Phenanthrene	ug/g	0.69	2.4	0.26	1.2	1.8	0.16	0.47	5.0
Pyrene	ug/g	1	2.3	0.41	1.9	2.3	0.22	0.49	7.8

Bold Denotes Criteria Exceedance

ND = Not detected

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body
in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Table 3
Results For Confirmatory Soil Samples Collected After Second Layer of Excavation
45 Mill Street, Orangeville. Orangeville Hydro

RESULTS OF ANALYSES OF SOIL

	Units	Criteria	FL1-2	FL2-2	FL3-2
Inorganics					
Chromium (VI)	ug/g	0.66	ND	ND	ND
Conductivity	mS/cm	0.7	0.12	0.12	0.099
Free Cyanide	ug/g	0.051	ND	ND	ND

	Units	Criteria	FL1-2	FL2-2	FL3-2
Metals					
Hot Water Ext. Boron (B)	ug/g	1.5	0.18	0.12	0.069
Acid Extractable Antimony (Sb)	ug/g	1.3	1.5	1.2	0.90
Acid Extractable Arsenic (As)	ug/g	18	250	220	190
Acid Extractable Barium (Ba)	ug/g	220	50	25	25
Acid Extractable Beryllium (Be)	ug/g	2.5	ND	0.22	ND
Acid Extractable Boron (B)	ug/g	36	ND	ND	ND
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.23	0.12	0.11
Acid Extractable Chromium (Cr)	ug/g	70	8.2	7.0	7.8
Acid Extractable Cobalt (Co)	ug/g	22	3.0	2.7	2.9
Acid Extractable Copper (Cu)	ug/g	92	11	9.5	20
Acid Extractable Lead (Pb)	ug/g	120	23	20	7.3
Acid Extractable Molybdenum (Mo)	ug/g	2	ND	ND	ND
Acid Extractable Nickel (Ni)	ug/g	82	5.3	4.8	5.7
Acid Extractable Selenium (Se)	ug/g	1.5	ND	0.59	ND
Acid Extractable Silver (Ag)	ug/g	0.5	ND	ND	ND
Acid Extractable Thallium (Tl)	ug/g	1	0.067	ND	0.053
Acid Extractable Uranium (U)	ug/g	2.5	0.28	0.26	0.29
Acid Extractable Vanadium (V)	ug/g	86	17	16	20
Acid Extractable Zinc (Zn)	ug/g	290	96	58	45
Acid Extractable Mercury (Hg)	ug/g	0.27	0.073	0.051	ND

Bold Denotes Criteria Exceedance

ND = Not detected

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body
in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Table 3 (Cont'd)
Results For Confirmatory Soil Samples Collected After Second Layer of Excavation
45 Mill Street, Orangeville. Orangeville Hydro

O'REG 153 METALS & INORGANICS PACKAGE (SOIL)

	Units	Criteria	FL4-2	FL5-2	FL6-2	FL7-2	FL8-2	FL9	FL10	FOUND-2
Inorganics										
Chromium (VI)	ug/g	0.66	ND	ND	ND	ND	ND	ND	ND	ND
Conductivity	mS/cm	0.7	0.088	0.12	0.15	0.32	0.15	0.13	0.21	0.80
Free Cyanide	ug/g	0.051	ND	0.01	ND	ND	0.03	ND	ND	ND
Available (CaCl2) pH	pH	-	7.91	7.53	7.78	7.66	7.26	7.43	7.67	7.67
Metals										
Hot Water Ext. Boron (B)	ug/g	1.5	0.076	0.12	0.081	0.14	0.34	0.28	0.29	0.61
Acid Extractable Antimony (Sb)	ug/g	1.3	ND	0.54	0.50	0.29	1.5	2.0	1.5	0.82
Acid Extractable Arsenic (As)	ug/g	18	26	110	64	38	250	430	220	140
Acid Extractable Barium (Ba)	ug/g	220	9.4	15	12	10	25	84	95	76
Acid Extractable Beryllium (Be)	ug/g	2.5	ND	ND	ND	ND	ND	0.54	0.73	0.35
Acid Extractable Boron (B)	ug/g	36	ND	ND	ND	ND	ND	ND	9.2	5.9
Acid Extractable Cadmium (Cd)	ug/g	1.2	ND	ND	ND	ND	ND	0.40	0.47	0.27
Acid Extractable Chromium (Cr)	ug/g	70	6.4	6.6	6.5	4.8	6.7	9.0	9.1	10
Acid Extractable Cobalt (Co)	ug/g	22	1.8	2.1	2.0	1.8	2.3	3.9	4.4	4.2
Acid Extractable Copper (Cu)	ug/g	92	8.3	15	14	10	7.5	110	160	37
Acid Extractable Lead (Pb)	ug/g	120	3.6	13	6.3	9.2	9.1	97	64	54
Acid Extractable Molybdenum (Mo)	ug/g	2	ND	ND	ND	ND	ND	0.53	1.5	0.66
Acid Extractable Nickel (Ni)	ug/g	82	5.5	4.0	4.2	3.2	3.8	9.1	12	8.2
Acid Extractable Selenium (Se)	ug/g	1.5	ND	ND	ND	ND	ND	ND	ND	ND
Acid Extractable Silver (Ag)	ug/g	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Acid Extractable Thallium (Tl)	ug/g	1	ND	ND	ND	ND	ND	0.14	0.31	0.14
Acid Extractable Uranium (U)	ug/g	2.5	0.23	0.26	0.26	0.23	0.29	0.52	0.59	0.42
Acid Extractable Vanadium (V)	ug/g	86	17	16	18	12	15	20	20	20
Acid Extractable Zinc (Zn)	ug/g	290	18	53	29	25	40	210	230	130
Acid Extractable Mercury (Hg)	ug/g	0.27	ND	ND	ND	ND	ND	0.22	0.11	0.26

Bold Denotes Criteria Exceedance

ND = Not detected

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body
in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Table 3 (Cont'd)
Results For Confirmatory Soil Samples Collected After Second Layer of Excavation
45 Mill Street, Orangeville. Orangeville Hydro

PETROLEUM HYDROCARBONS (CCME) In Soil

	Units	Criteria	FL1-2	FL2-2	FL3-2
F2-F4 Hydrocarbons					
F2 (C10-C16 Hydrocarbons)	ug/g	10	ND	ND	ND
F3 (C16-C34 Hydrocarbons)	ug/g	240	16	ND	ND
F4 (C34-C50 Hydrocarbons)	ug/g	120	ND	ND	ND
Reached Baseline at C50	ug/g	-	Yes	Yes	Yes

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

	Units	Criteria	FL1-2	FL2-2	FL3-2
Polyaromatic Hydrocarbons					
Acenaphthene	ug/g	0.072	ND	ND	0.020
Acenaphthylene	ug/g	0.093	0.0087	0.011	0.030
Anthracene	ug/g	0.22	0.012	0.017	0.064
Benzo(a)anthracene	ug/g	0.36	0.063	0.043	0.18
Benzo(a)pyrene	ug/g	0.3	0.060	0.047	0.16
Benzo(b/j)fluoranthene	ug/g	0.47	0.087	0.062	0.19
Benzo(g,h,i)perylene	ug/g	0.68	0.046	0.036	0.091
Benzo(k)fluoranthene	ug/g	0.48	0.032	0.022	0.071
Chrysene	ug/g	2.8	0.058	0.039	0.14
Dibenz(a,h)anthracene	ug/g	0.1	0.011	0.0077	0.026
Fluoranthene	ug/g	0.69	0.12	0.10	0.37
Fluorene	ug/g	0.19	ND	ND	0.023
Indeno(1,2,3-cd)pyrene	ug/g	0.23	0.048	0.036	0.097
1-Methylnaphthalene	ug/g	0.59	ND	ND	0.0062
2-Methylnaphthalene	ug/g	0.59	ND	ND	ND
Naphthalene	ug/g	0.09	ND	ND	0.0050
Phenanthrene	ug/g	0.69	0.048	0.051	0.24
Pyrene	ug/g	1	0.12	0.094	0.32

Bold Denotes Criteria Exceedance

ND = Not detected

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Table 3 (Cont'd)
Results For Confirmatory Soil Samples Collected After Second Layer of Excavation
45 Mill Street, Orangeville. Orangeville Hydro

PETROLEUM HYDROCARBONS (CCME) IN Soil

	Units	Criteria	FL4-2	FL4-2 Lab-Dup	FL5-2	FL6-2	FL7-2	FL8-2	FL9	FL10	FOUND-2	RDL
F2-F4 Hydrocarbons												
F2 (C10-C16 Hydrocarbons)	ug/g	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
F3 (C16-C34 Hydrocarbons)	ug/g	240	ND	ND	25	ND	ND	ND	37	43	49	10
F4 (C34-C50 Hydrocarbons)	ug/g	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	10

Bold Denotes Criteria Exceedance

ND = Not detected

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body

in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Table 3 (Cont'd)
Results For Confirmatory Soil Samples Collected After Second Layer of Excavation
45 Mill Street, Orangeville. Orangeville Hydro

O.REG 153 PAHS IN SOIL

	Units	Criteria	FL4-2	4-2 Lab-D	FL5-2	FL6-2	FL7-2	FL8-2	FL9	FL10	FOUND-2
Calculated Parameters											
Methylnaphthalene, 2-(1-)	ug/g	-	ND		0.12	ND	0.021	ND	0.062	0.056	0.11
Polyaromatic Hydrocarbons											
Acenaphthene	ug/g	0.072	0.0072	ND	0.21	0.0058	0.027	ND	0.0062	0.020	0.087
Acenaphthylene	ug/g	0.093	ND	ND	0.085	0.012	0.028	0.013	0.029	0.092	0.16
Anthracene	ug/g	0.22	0.0095	ND	0.52	0.019	0.075	0.018	0.040	0.10	0.30
Benzo(a)anthracene	ug/g	0.36	0.019	ND	1.2	0.071	0.20	0.058	0.14	0.41	0.89
Benzo(a)pyrene	ug/g	0.3	0.018	ND	0.90	0.066	0.18	0.066	0.12	0.37	0.78
Benzo(b/j)fluoranthene	ug/g	0.47	0.025	ND	0.86	0.066	0.17	0.077	0.12	0.34	0.76
Benzo(g,h,i)perylene	ug/g	0.68	0.012	ND	0.43	0.038	0.088	0.035	0.082	0.20	0.37
Benzo(k)fluoranthene	ug/g	0.48	0.0080	ND	0.31	0.023	0.058	0.030	0.051	0.12	0.26
Chrysene	ug/g	2.8	0.029	ND	1.2	0.082	0.21	0.073	0.16	0.43	1.0
Dibenz(a,h)anthracene	ug/g	0.1	ND	ND	0.11	0.0080	0.022	0.0084	0.016	0.045	0.089
Fluoranthene	ug/g	0.69	0.058	0.0073	2.7	0.17	0.47	0.11	0.35	1.0	2.3
Fluorene	ug/g	0.19	ND	ND	0.25	0.0054	0.026	ND	0.0097	0.025	0.16
Indeno(1,2,3-cd)pyrene	ug/g	0.23	0.011	ND	0.45	0.040	0.095	0.038	0.078	0.23	0.47
1-Methylnaphthalene	ug/g	0.59	ND	ND	0.049	ND	0.0086	ND	0.029	0.027	0.053
2-Methylnaphthalene	ug/g	0.59	ND	ND	0.068	ND	0.012	ND	0.033	0.029	0.061
Naphthalene	ug/g	0.09	ND	ND	0.12	ND	0.032	ND	0.023	0.026	0.11
Phenanthrene	ug/g	0.69	0.044	0.0056	2.4	0.054	0.24	0.047	0.15	0.36	2.1
Pyrene	ug/g	1	0.053	0.0073	2.2	0.16	0.43	0.11	0.31	0.92	1.9

Bold Denotes Criteria Exceedance

ND = Not detected

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body
in a Potable Groundwater Condition

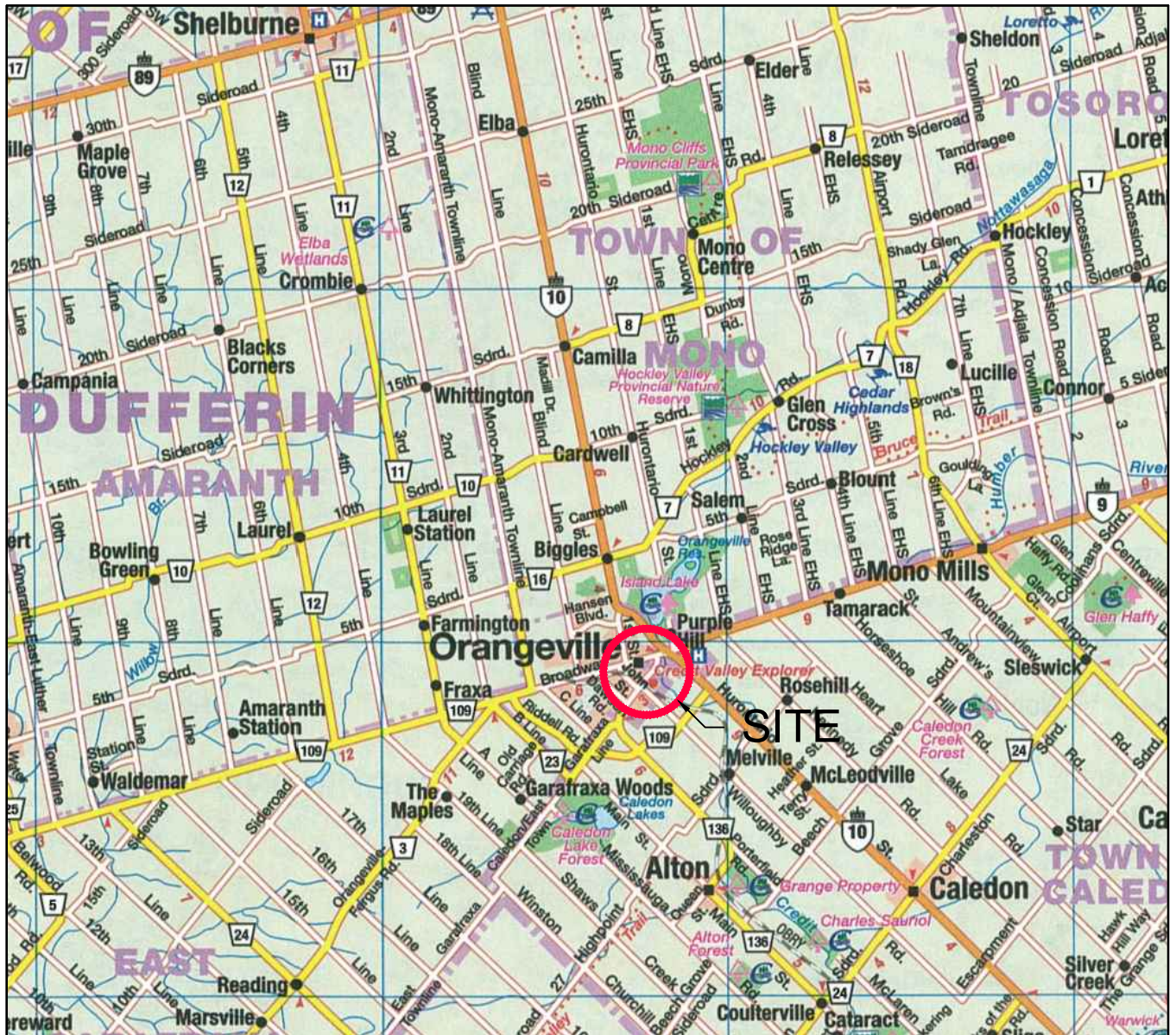
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property
Use



BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Figures



Map Reference:
Map Art Publishing
Ontario Road Atlas

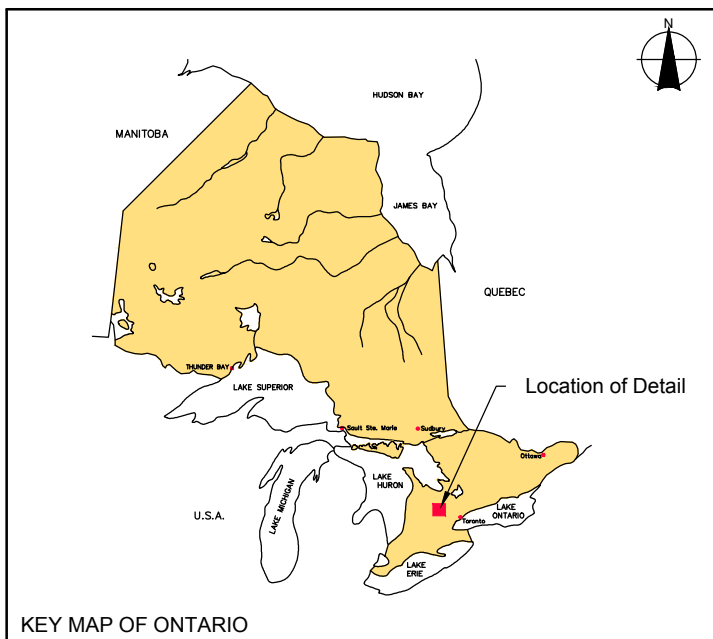


FIGURE 1 - SITE LOCATION MAP

ORANGEVILLE HYDRO
ORANGEVILLE HYDRO SUBSTATION

REMEDICATION CLOSURE REPORT

January 2013

Project Number: 300031699

Prepared by: C. Dickie

Verified by: P. Hicks



BURNSIDE

031699 RR SL.dwg



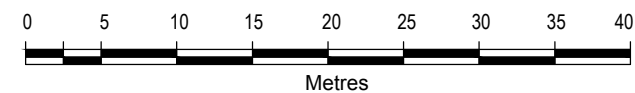
FIGURE 2

ORANGEVILLE HYDRO ORANGEVILLE HYDRO SUBSTATION REMEDICATION CLOSURE REPORT SITE PLAN

LEGEND

— APPROXIMATE SITE OUTLINE

2003 Satellite image obtained from First Base Solutions



Scale 1:500
January 2013
Project No: 300031699

Projection: UTM Zone 17
Datum: NAD83

Prepared by: C. Dickie

Verified by: P. Hicks



BURNSIDE



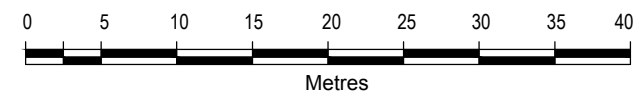
FIGURE 3

ORANGEVILLE HYDRO ORANGEVILLE HYDRO SUBSTATION REMEDICATION CLOSURE REPORT 2011 PHASE TWO ESA SAMPLING LOCATIONS

LEGEND

- APPROXIMATE SITE OUTLINE
- ⊕ MONITORING WELL LOCATION
By RJ Burnside, 2011
- BOREHOLE LOCATION
By RJ Burnside, 2011
- ⊠ HAND DUG TEST PIT
By RJ Burnside, 2011

2003 Satellite image obtained from First Base Solutions



Scale 1:500
January 2013
Project No: 300031699

Projection: UTM Zone 17
Datum: NAD83

Prepared by: C. Dickie

Verified by: P. Hicks



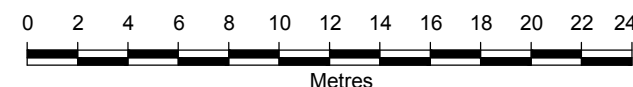
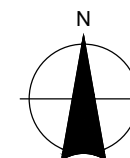


FIGURE 4

**ORANGEVILLE HYDRO
ORANGEVILLE HYDRO SUBSTATION
REMEDATION CLOSURE REPORT
CONFIRMATORY SOIL
SAMPLING LOCATIONS**

LEGEND

- APPROXIMATE SITE OUTLINE
- CONFIRMATORY SOIL SAMPLING LOCATION
- APPROXIMATE AREA NOT EXCAVATED DUE TO LOGISTICS OF EXCAVATION.



Scale 1:300
January 2013
Project No: 300031699

Projection: UTM Zone 17
Datum: NAD83

Prepared by: C. Dickie

Verified by: P. Hicks





Appendix A
Credit Valley Conservation Permit
Application and Drawings



1255 Old Derry Road, Mississauga, ON L5N 6R4
Tel: (905) 670-1615 or 1-800-668-5557, Fax: (905) 670-2210
www.creditvalleyca.ca, e-mail: planning@creditvalleyca.ca

For office use only:

File # _____

Fee Received _____

APPLICATION FOR DEVELOPMENT, INTERFERENCE WITH WETLANDS AND ALTERATIONS TO SHORELINES AND WATERCOURSES (Pursuant to Ontario Regulation 160/06)

PLEASE SEE REVERSE SIDE FOR INSTRUCTIONS FOR SUBMITTING PLANS

Ownership Details

Owner's Name Orangeville Hydro Email bnoble@orangevillehydro.on.ca

Organization Owner City/Town Orangeville

Mailing Address Box 400, 400 C Line Orangeville, Ontario, Canada Postal Code L9W 2Z7 Phone # 519-942-8000

Agent's Name RJ Burnside & Associates Limited - Matt Doner Email matt.doner@rjburnside.com

Organization Engineering Consultant City/Town Orangeville

Mailing Address 15 Townline, Orangeville, Ontario, Canada Postal Code L9W 3R4 Phone # 519-941-5331

Property Location Details

Municipal Street Address 45 Mill St.

Lot 23/25 Concession/Range N/A City/Town Orangeville

Description of Type of Development / Work Proposed

- ☒ Development (new structure, replacement structure, addition, site grading/fill placement, pool, deck)
☐ Interference with a Wetland/Alteration of Watercourse

Proposed Start Date: August 7, 2012 Anticipated Completion Date: August 31, 2012

Terms and Conditions

- Any false or misleading statement made on this application will render null and void any permission granted.
- Authorized representatives of Credit Valley Conservation will be granted entry at any time onto lands which are the subject of this permit application in order to make such surveys, investigations, inspections or other arrangements which such representatives deem necessary.
- This permit does not absolve the applicant of the responsibility of obtaining necessary permission from applicable federal and provincial agencies or local municipalities.

I, BOB NOBLE solemnly declare that to the best of my knowledge and belief, all of the above information to be true.

Signature of Owner: _____
Note: Signature or written authorization from the owner is mandatory.

Date: JULY 12/12

Signature of Agent: _____

Date: July, 12/2012

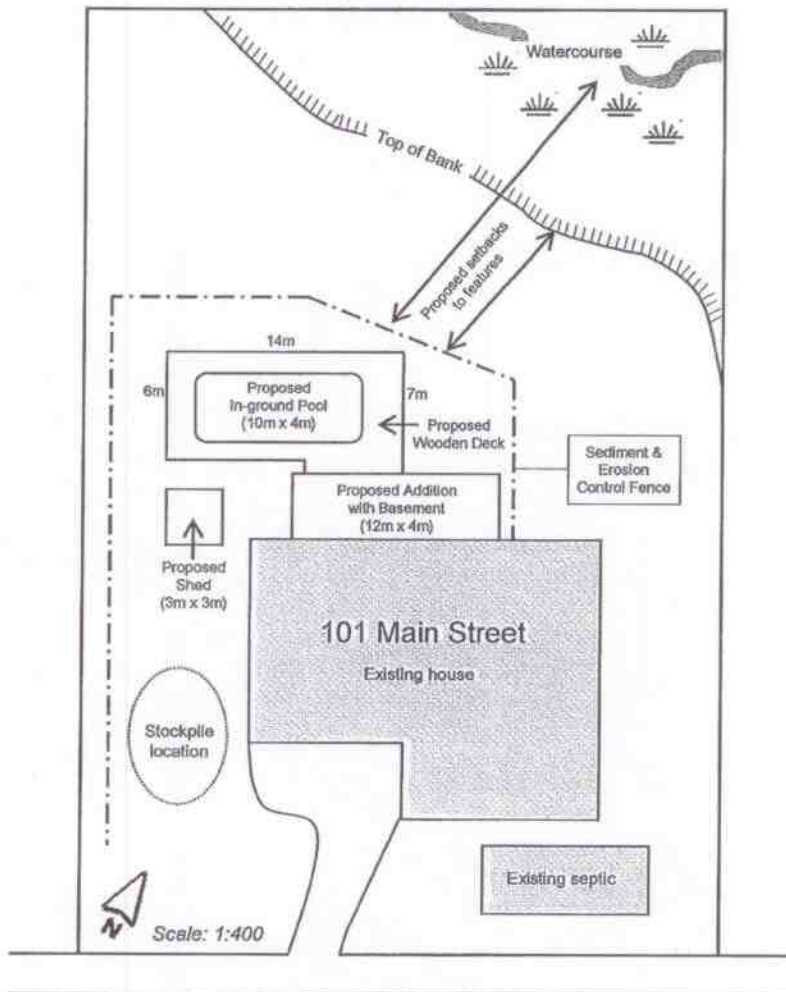
INSTRUCTIONS

Please submit three (3) copies of the following information with this application:

1. Location map of property, in relation to surrounding buildings, roads, lands etc.
2. Site plan indicating the property boundary and the proposed location of development/work.
3. Cross-section(s) of the proposed development/work showing existing and final grades as required.
4. Final stamped engineering drawings of proposed development/work as required.
5. Final stamped technical reports in support of proposal as required.
6. **An application fee will be charged based upon type and scale of project (see most recent fee schedule www.creditvalleyca.ca or contact CVC office at 905-670-1615).**

ALL PLANS SUBMITTED MUST BE FOLDED

Sample Site Plan



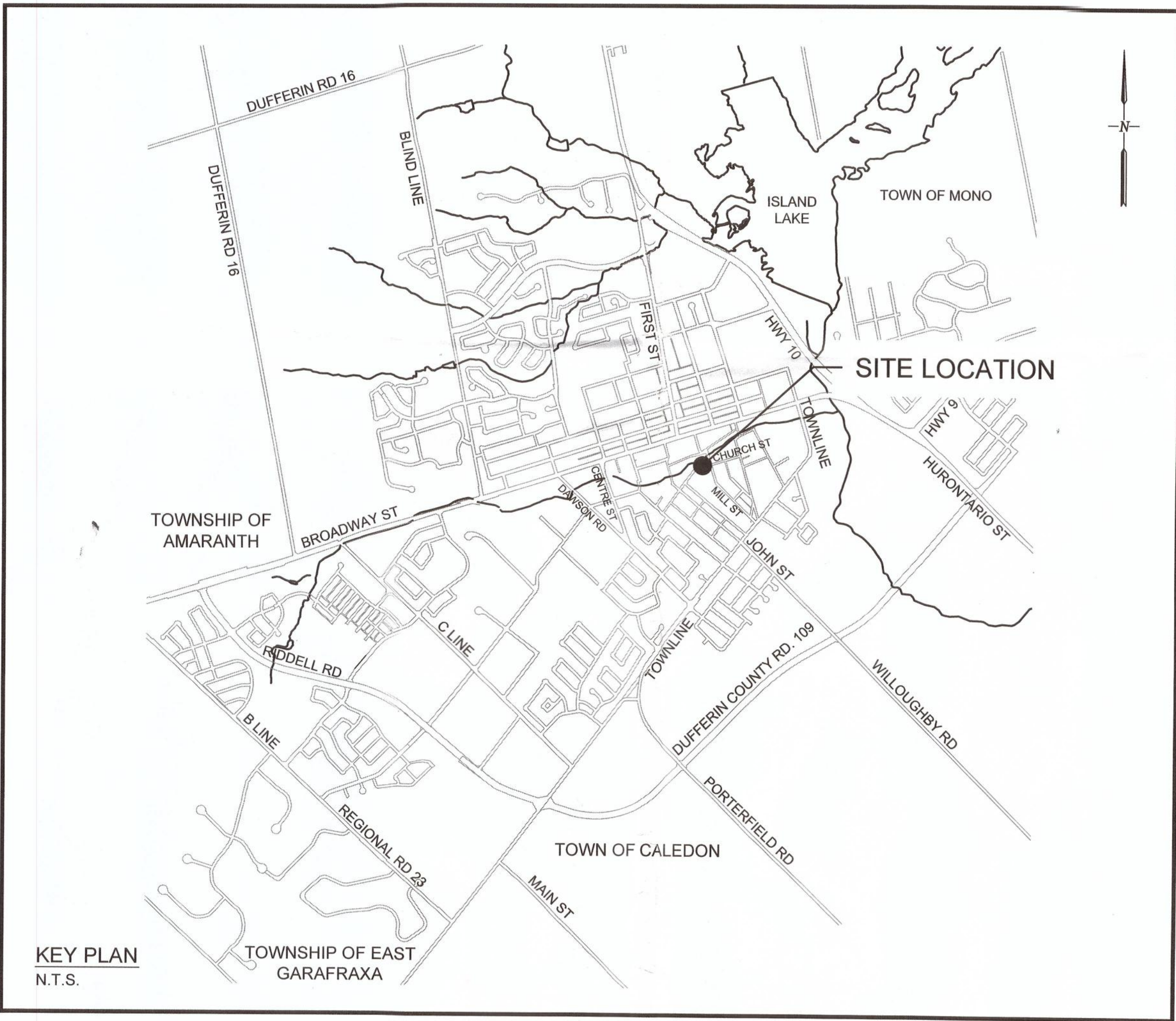
NOTICE OF COLLECTION

Pursuant to section 29(2) of the Municipal Freedom of Information and Protection of Individual Privacy Act, 1989, the personal information contained on this form is collected under the legal authority of the Conservation Authorities Act, R.S.O. 1990, c27, as amended. This information is used to assess applications for and, where approved, issue the Permit. Information on this form may be disclosed to Government and Municipal Agencies for review and comment and to members of the public through the Freedom of Information process. The name of the applicant, location of the work and a description of the project may be published in CVC documents including agendas, reports and meeting minutes which may be posted on CVC's website. Questions about the collection of personal information should be directed to the Freedom of Information Coordinator, Credit Valley Conservation Authority, 1255 Old Derry Road, Mississauga, Ontario, L5N 6R4. (905) 670-1615.

ORANGEVILLE HYDRO

45 MILL STREET - SITE REMEDIATION

PO-006585



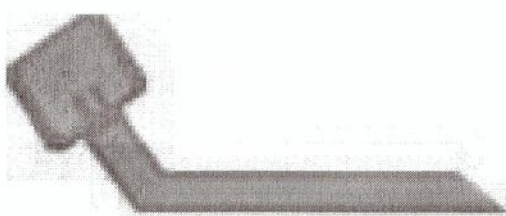
KEY PLAN
N.T.S.

DRAWING LIST

- COVER
- 1 GENERAL ARRANGEMENT
- 2 GRADING PLAN
- 3 EROSION & SEDIMENTATION CONTROL PLAN

Burnside Project No. 300031699

ISSUED FOR CVC REVIEW & APPROVAL - 12/07/12

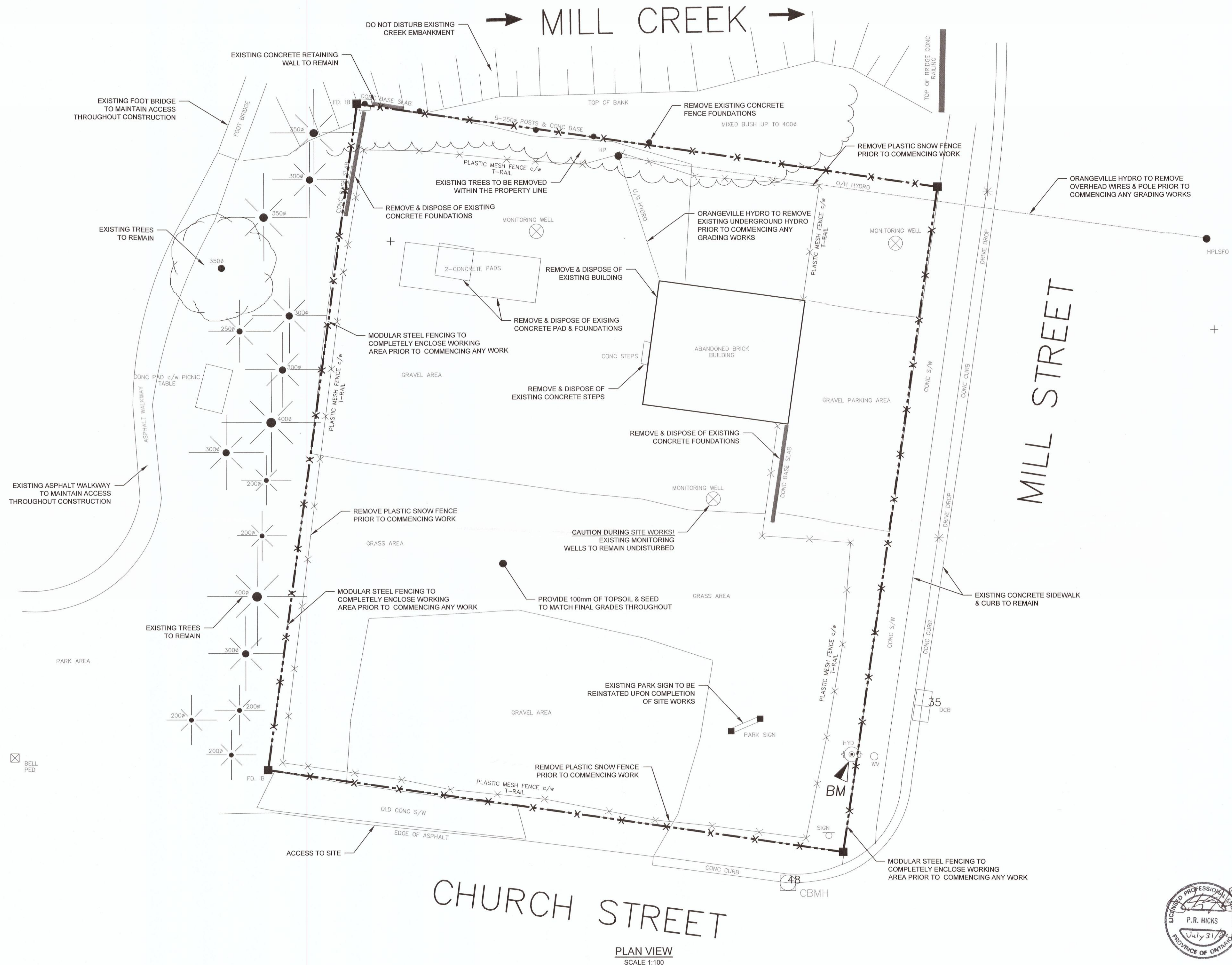


ORANGEVILLE HYDRO
BOX 400, 400 C LINE
ORANGEVILLE, ONTARIO
L9W 2Z7



BURNSIDE

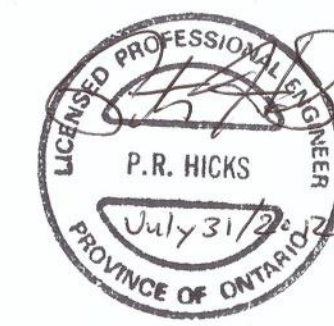
R.J. Burnside & Associates Limited
15 Townline
Orangeville, Ontario, L9W 3R4
telephone (519) 941-5331 fax (519) 941-8120
web www.rjburnside.com



CHURCH STREET

PLAN VIEW
SCALE 1:100

APPROVED
1 of 3
JUL 17 2012
CREDIT VALLEY CONSERVATION
AUTHORITY
PER *[Signature]*



12/208

- NOT FOR CONSTRUCTION

No.	Issue / Revision	Date	Auth.
1	ISSUED FOR CVC REVIEW & APPROVAL	7/13/2012	

BM ELEV 429.690m
TOP OF HYDRANT AT THE NORTH/WEST
INTERSECTION OF MILL STREET & CHURCH
STREET

REF BM#2008-001 ELEV 430.710m
BRASS CAP SET IN NORTH END OF THE TOP OF THE EAST
CONCRETE RAILING OF BRIDGE ON MILL STREET



R.J. Burnside & Associates Limited
15 Townline
Orangeville, Ontario, L9W 3R4
telephone (519) 941-5331
fax (519) 941-8120
web www.rjburnside.com

Client:
ORANGEVILLE HYDRO
BOX 400, 400 C LINE
ORANGEVILLE, ONTARIO
L9W 2Z7

Drawing Title
45 MILL STREET - SITE REMEDIATION

GENERAL ARRANGEMENT

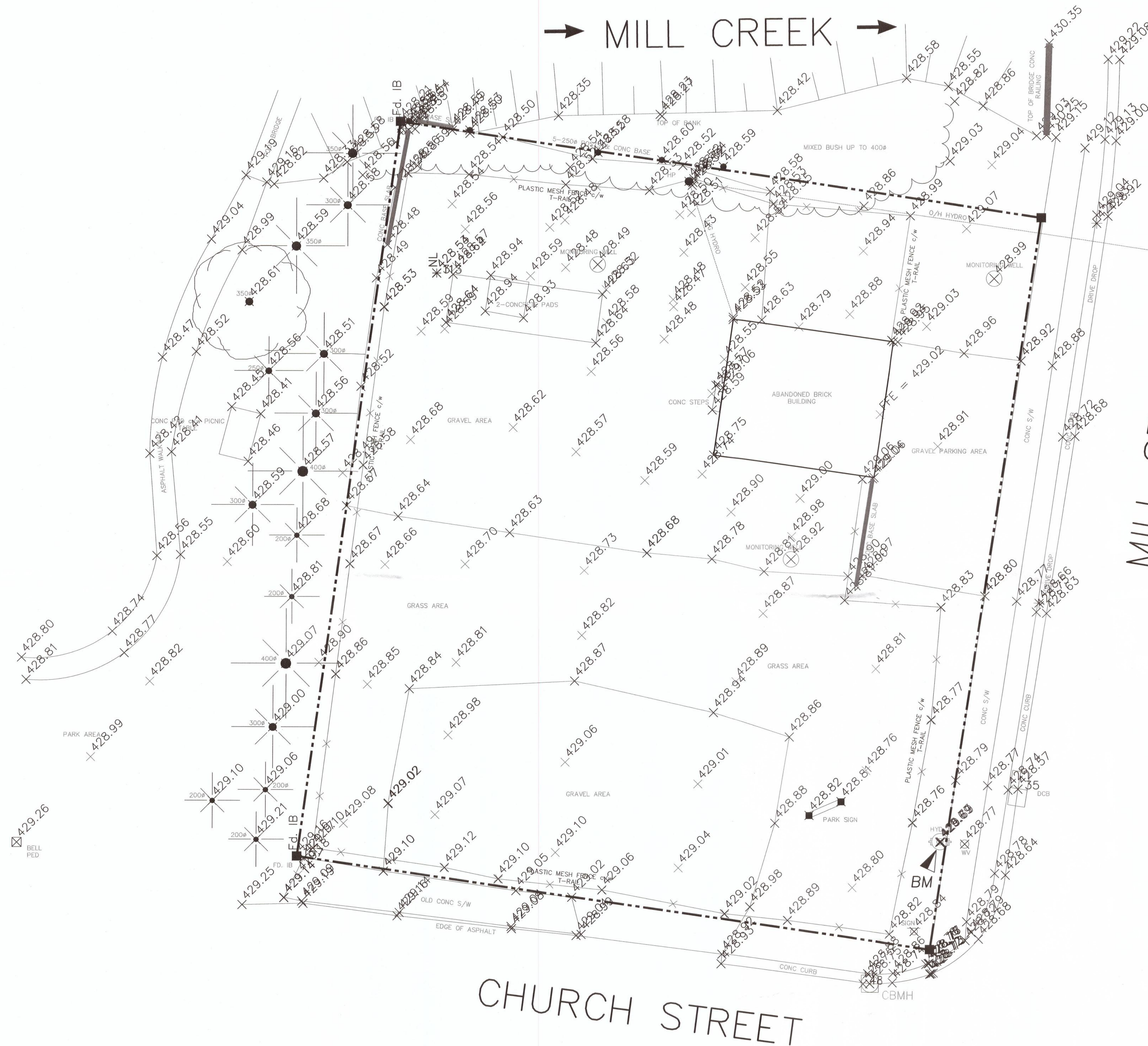
Drawn	Checked	Designed	Checked	Date	Drawing No.
M.D.	M.M.	M.D.	P.H.	12/07/12	1
Scale		Project No.	Revision No.		
1:100		300031699	0		



MILL STREET

GENERAL NOTES:

1. ALL FINAL GRADES TO MATCH EXISTING GROUND ELEVATIONS AND SHALL BE MAINTAINED ALONG PERIMETER OF THE SITE UNLESS SPECIFIED OTHERWISE. CONTRACTOR TO PROVIDE AS-BUILTS UPON ACHIEVING FINISHED GRADE.
2. NO CONSTRUCTION IS TO TAKE PLACE ON ADJACENT PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE OWNERS IN QUESTION.
3. ALL DISTURBED AREAS TO BE REINSTATED TO EXISTING CONDITIONS OR BETTER.
4. ENTRANCE GRADES TO MATCH EXISTING.
5. THE CONTRACTOR SHALL REMOVE ALL RUBBISH/DEBRIS OFF-SITE AND DISPOSE OF AT A PRE-APPROVED LOCATION.
6. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO AND DURING CONSTRUCTION.
7. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THE NECESSARY ARRANGEMENTS AND PERMIT APPLICATIONS WITH THE TOWN FOR ALL WORK WITHIN THE MUNICIPAL ROAD ALLOWANCE, INCLUDING TRAFFIC CONTROL.
8. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO COMMENCING ANY WORK AND COORDINATE CONSTRUCTION ACCORDINGLY.
9. THE LOCATION OF EXISTING POLE LINES, WATERMANS, SEWERS AND OTHER UNDERGROUND OR ABOVE GROUND UTILITIES AND STRUCTURES IN NOT NECESSARILY SHOWN ON THE DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IN NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATIONS OF ALL SUCH UTILITIES AND STRUCTURES, AND HE SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
10. ALL ROADS SHALL BE KEPT CLEAR FOR THE FREE FLOW OF TRAFFIC FOR EMERGENCY VEHICLES AND THE GENERAL PUBLIC.
11. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL TRAFFIC CONTROL AND CONSTRUCTION SIGNAGE INCLUDING FLAG PERSONS, AS REQUIRED, IN ACCORDANCE WITH OPSS 543 AND THE ONTARIO TRAFFIC CONTROL MANUAL (MUTCD BOOK 7) AND AS DIRECTED BY THE ENGINEER.
12. ALL PROPERTY BARS TO BE PRESERVED. IN THE EVENT WHERE A BAR IS DISTURBED OR REMOVED DURING CONSTRUCTION THE CONTRACTOR MUST CONTACT AN O.L.S. TO REINSTATE THE BAR AT HIS OWN EXPENSE.
13. ANY DISTURBANCE TO THE EXISTING CURB AND/OR GUTTER AT THE SITE ACCESS AREA SHALL BE REPLACED WITH ASPHALT, AS PER OPSD 601.010.
14. PROPOSED BACKFILL MATERIAL MUST MATCH EXISTING SOIL PROPERTIES.
15. ALL DRIVEWAY ENTRANCES, CURBS, SIDEWALKS, ROAD ASPHALT, ETC. SHALL BE CLEANED AND PROTECTED AT ALL TIMES. ANY DAMAGE TO TOWN PROPERTY DURING CONSTRUCTION MUST BE REINSTATED TO THE SATISFACTION OF THE TOWN.



CHURCH STREET

GRADING PLAN

SCALE 1:100

BM ELEV 429.690m
TOP OF HYDRANT AT THE NORTH/WEST
INTERSECTION OF MILL STREET & CHURCH
STREET

REF BM#2008-001 ELEV 430.710m
BRASS CAP SET IN NORTH END OF THE TOP OF THE EAST
CONCRETE RAILING OF BRIDGE ON MILL STREET


BURNSIDE

Client
ORANGEVILLE HYDRO
BOX 400, 400 C LINE
ORANGEVILLE, ONTARIO
L9W 2Z7

R.J. Burnside & Associates Limited
15 Townline
Orangeville, Ontario, L9W 3R4
telephone (519) 941-5331
fax (519) 941-8120
web www.rjburnside.com

Drawing Title

45 MILL STREET - SITE REMEDIATION

GRADING PLAN

Drawn M.D	Checked M.M	Designed M.D	Checked P.H	Date 12/07/12	Drawing No. 2
Scale 1:100	Project No. 300031699		Revision No. 0		

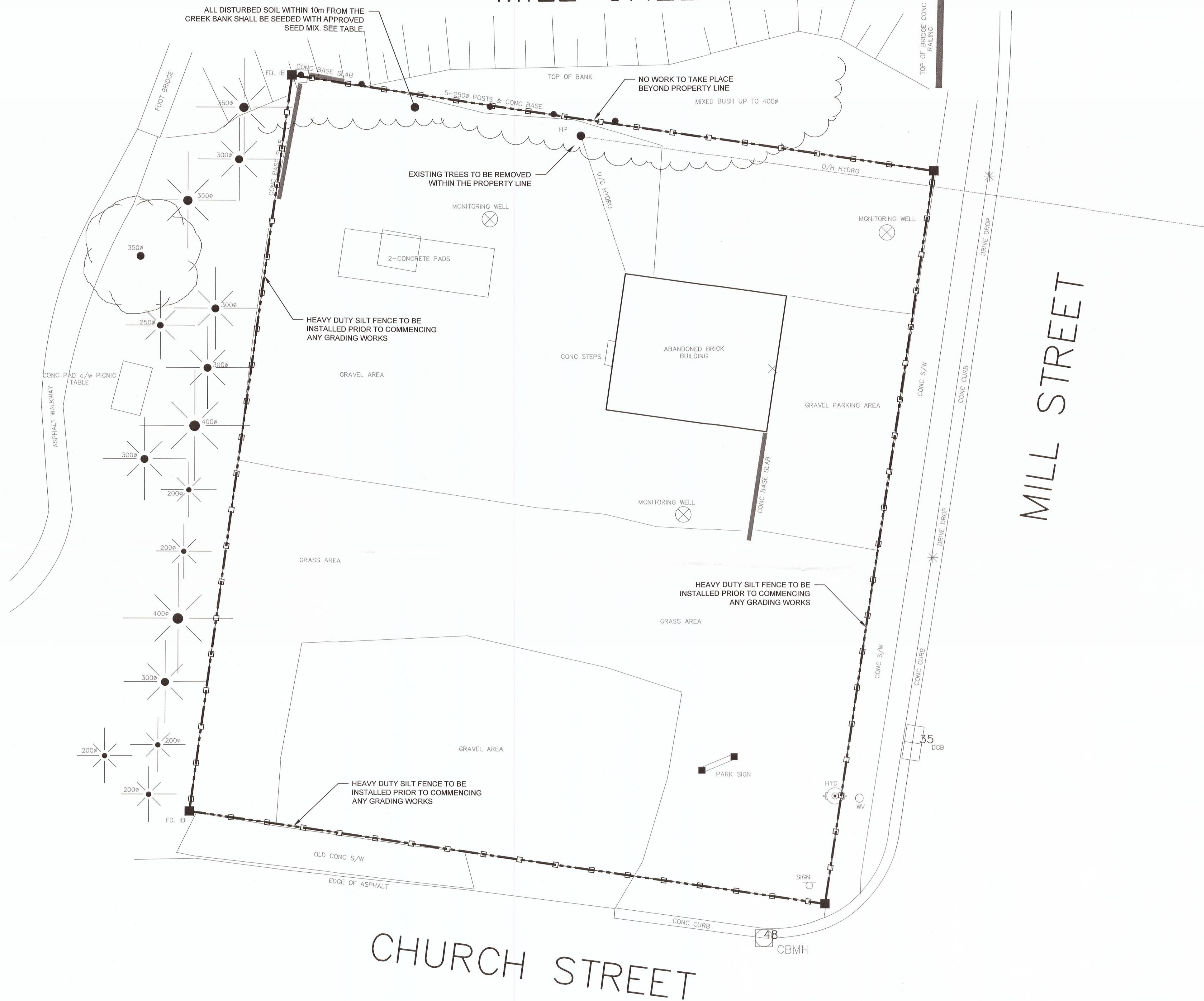
Notes
1. This drawing is the exclusive property of R. J. Burnside & Associates Limited. The reproduction of any part without prior written consent of this office is strictly prohibited.
2. The contractor shall verify all dimensions, levels, and datums on site and report any discrepancies or omissions to this office prior to construction.
3. This drawing is to be read and understood in conjunction with all other plans and documents applicable to this project.

NOT FOR CONSTRUCTION

APPROVED
2 of 3
JUL 17 2012
CREDIT VALLEY CONSERVATION
AUTHORITY
PER *[Signature]*

12/208

→ MILL CREEK →



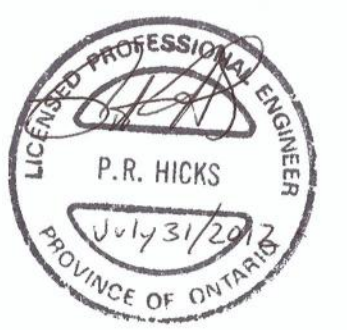
EROSION & SEDIMENTATION NOTES:

1. ALL EROSION & SEDIMENTATION CONTROLS TO BE INSTALLED PRIOR TO EXECUTING ANY WORK.
2. ALL EROSION & SEDIMENTATION CONTROLS TO BE INSPECTED DAILY BY THE CONTRACTOR AND REPAIRED/REPLACED AS NECESSARY.
3. CONTRACTOR IS RESPONSIBLE TO KEEP ALL ROADS CLEAN DURING CONSTRUCTION ACTIVITIES.
4. ALL EROSION & SEDIMENTATION CONTROLS TO REMAIN IN PLACE UNTIL SUCH TIME AS RE-VEGETATIVE MEASURES HAVE GERMINATED AND TAKEN HOLD OR UNLESS OTHERWISE DIRECTED BY THE CONTRACT ADMINISTRATOR OR THE CREDIT VALLEY CONSERVATION AUTHORITY (CVC).
5. ALL EXCAVATIONS AND SUBSEQUENT WORK SHALL BE UNDERTAKEN IN THE DRY. WORK MUST BE SCHEDULED WHEN WEATHER FORECAST IS CLEAR OF ANY PRECIPITATION FOR MINIMUM THREE (3) DAYS.
6. IN THE EVENT OF A STORM, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEWATERING/UNWATERING AND ANY OTHER TEMPORARY MEASURES REQUIRED TO REMOVE STANDING WATER WITHIN THE EXCAVATION. THE CONTRACTOR SHALL ASSESS THE RISK OF FLOODS, STORMS AND EVENTS THAT MAY AFFECT CONSTRUCTION AND DETERMINE THEIR OWN LEVEL OF RISK ASSOCIATED WITH ANY TEMPORARY WORK. ADDITIONAL EROSION & SEDIMENT CONTROL MATERIALS SHALL BE KEPT ON SITE FOR EMERGENCIES AND REPAIRS.
7. ALL DEWATERING/UNWATERING SHALL BE BY PUMP/VACUUM TRUCK AND PROPERLY DISPOSED OFF SITE AT A PRE-APPROVED LOCATION.
8. STOCKPILES OF EARTH OR TOPSOIL ARE TO BE LOCATED AND PROTECTED TO MINIMIZE ENVIRONMENTAL INTERFACE. STOCKPILES SHOULD NOT BE LOCATED IMMEDIATELY ADJACENT TO DITCHES OR ROAD ALLOWANCES OR IN AREAS OF CONCENTRATED FLOW AND BE A MINIMUM OF 15m FROM THE TOP OF BANK OR CREEK.
9. PROBABLE SILT FENCE BARRIER LOCATIONS ARE SHOWN. PROVIDE SILT FENCE BARRIERS WHERE REQUIRED AND AS MAY BE DIRECTED BY THE CONTRACT ADMINISTRATOR OR CVC.
10. HEAVY DUTY SILT FENCE MUST BE INSTALLED AS PER OPSD 219.130 AND AT NO TIME CONTAIN ANY GAPS.
11. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS SITE DEVELOPMENT PROGRESSES.
12. AN AFTER HOURS CONTACT NUMBER IS TO BE VISIBLY POSTED ON-SITE FOR EMERGENCIES. ALL THE PLANS SHOULD HAVE THE NAME AND CONTACT INFORMATION OF THE PERSON RESPONSIBLE FOR ESC MEASURES.
13. ANY SPILLS SHALL BE REPORTED TO THE MINISTRY OF ENVIRONMENT (SPILL ACTION CENTRE) AT 1-800-268-6060.
14. FOR ON SITE EROSION AND SEDIMENT CONTROL EMERGENCIES PLEASE CALL, 519-278-0874.

ACCEPTABLE SEED MIX SPECIES

- RUDBECKIA HIRTA (BLACK-EYED SUSAN) - SOLIDAGO ALTISSIMA (TALL GOLDENROD) - SOLIDAGO CANADENSIS (CANADA GOLDENROD) - EUPATORIUM PERFORIATUM (BONESET)	FORBS
- CREEPING BENT GRASS (AGROSTIS STOLONIFERA) - ELYMUS VIRGINICUS (VIRGINIA WILD RYE) - FESTUCA RUBRA SUBSP. RUBRA (RED FESCUE) - SCIRPUS ATROVIRENS (GREEN BULRUSH)	GRASS-LIKE SPECIES

*NOTE: AIM FOR A MIXTURE OF ROUGHLY 25% FORBS AND 75% GRASS-LIKE SPECIES.



LEGEND (TEMPORARY WORK)

— [Symbol] — HEAVY DUTY SILT FENCE BARRIER AS PER OPSD 219.130.

12/208

THE ESC PLAN IS A DYNAMIC DOCUMENT, WHICH MAY BE SUBJECT TO CHANGE OR MODIFICATION AS A RESULT OF SITE DEVELOPMENTS OR CHANGES ON SITE. ANY DEVIATION FROM APPROVED PLANS MUST BE DESIGNED BY A QUALIFIED PROFESSIONAL. IT IS EVERYONE'S RESPONSIBILITY TO PREVENT CONSTRUCTION RELATED SEDIMENT FROM IMPACTING NATURAL FEATURES. ALL SILT AND SEDIMENTATION ITEMS AND LOCATIONS ARE SHOWN FOR ILLUSTRATION ONLY.

NOT FOR CONSTRUCTION

No.	Issue / Revision	Date	Auth.
1	ISSUED FOR CVC REVIEW & APPROVAL	7/13/2012	

BM ELEV 429.690m
TOP OF HYDRANT AT THE NORTH/WEST
INTERSECTION OF MILL STREET & CHURCH
STREET
REF BM#2008-001 ELEV 430.710m
BRASS CAP SET IN NORTH END OF THE TOP OF THE EAST
CONCRETE RAILING OF BRIDGE ON MILL STREET



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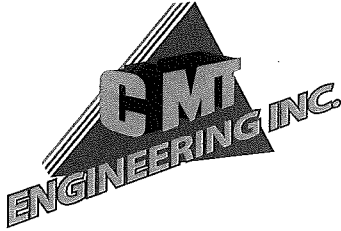
Drawing Title
45 MILL STREET - SITE REMEDIATION
EROSION & SEDIMENTATION CONTROL PLAN

Drawn	Checked	Designed	Checked	Date	Drawing No.
M.D.	M.M.	P.H.	P.H.	12/07/12	3
Scale	1:100	Project No.	300031699	Revision No.	0



Appendix B

Analytical Laboratory Reports



CMT Engineering Inc.
CONSULTING ENGINEERS
1011 Industrial Crescent, Unit 1
St. Clements, Ontario N0B 2M0
Tel: 519-699-5775
Fax: 519-699-4664
www.cmtinc.net

November 14, 2012

12-493.R01

R. J. Burnside and Associates Limited
15 Townline
Orangeville, Ontario
L9W 3R4

Attention: Mr. Max McCormick

Dear Sir:

**Re: Laboratory and Compaction Test Results
Reconstruction of Church Street/Mill Street/Park Street
Orangeville, Ontario**

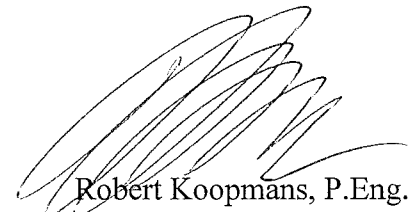
Enclosed with this letter are the results of laboratory and compaction testing carried out on November 8 and 9, 2012 for the Reconstruction of Church Street, Mill Street and Park Street in Orangeville, Ontario. The compaction testing was conducted on the subgrade and the Granular 'A' road base.

In general, the compaction was satisfactory in the areas tested with all test results meeting the specified compaction of 95% and 100% standard Proctor maximum dry density. The testing was performed using the nuclear densometer. Results of a laboratory Proctor test are also attached for your reference.

We trust this information meets with your present requirements. Should you have any questions, please do not hesitate to contact our office.

Yours very truly,


Nathan Love, C.E.T.
Field Services Manager


Robert Koopmans, P.Eng.

ks
Att.

Encl. Proctor 12/11/12
Encl. Compaction 12/11/08 to 12/11/09

SUMMARY OF COMPACTION TESTING

DATE: November 8, 2012

PROJECT: Reconstruction of Church Street/Mill Street/Park Street

PROJECT NO.: 12-493.R01

LOCATION: Orangeville, Ontario

TECHNICIAN: Steve Schumacher

PROJECT MANAGER: R. J. Burnside and Associates

CONTRACTOR: Killamey Construction

AREAS TESTED: Subgrade over entire site.

Test No.	Depth Below Top of Finished Grade	Location	Material Tested	Dry Density (t/m ³)	Moisture Content (%)	Percent Standard Proctor	Percent Specified
1	1.2 m	5 m S and 3 m W of site, NE corner	sand, some silt	1.96	6.1	95	95
2	0.8 m	15 m S and 8 m W of site, NE corner	"	1.95	7.5	95	95
3	0.8 m	10 m S and 15 m W of site, NE corner	"	1.94	6.6	95	95
4	1.0 m	7 m S and 6 m W of site, NE corner	"	1.96	5.9	96	95
5	0.6 m	12 m S and 12 m W of site, NE corner	"	1.97	6.1	96	95
6	0.5 m	25 m S and 14 m W of site, NE corner	"	1.95	7.2	95	95
7	0.7 m	4 m S and 7 m W of site, NE corner	"	1.95	6.7	95	95
8	0.4 m	18 m S and 12 m W of site, NE corner	"	1.98	6.4	96	95
9	0.3 m	10 m S and 15 m W of site, NE corner	"	1.97	7.0	96	95
10	0.5 m	3 m S and 10 m W of site, NE corner	"	1.99	6.2	97	95

STANDARD PROCTOR: 2.051 t/m³ @ 9.1% moisture

COMPACTION EQUIPMENT: Vibratory smooth drum roller

TESTING REQUESTED BY: Max McCormick of R. J. Burnside and Associates

TEST RESULTS REPORTED TO: Max McCormick of R. J. Burnside and Associates

COMMENTS AND OBSERVATIONS:

SUMMARY OF COMPACTION TESTING

DATE: November 9, 2012

PROJECT: Reconstruction of Church Street/Mill Street/Park Street

PROJECT NO.: 12-493.R01

LOCATION: Orangeville, Ontario

TECHNICIAN: Steve Schumacher

PROJECT MANAGER: R. J. Burnside and Associates

CONTRACTOR: Killamey Construction

AREAS TESTED: Subgrade over entire site (Tests 1 to 3), and Granular 'A' road base (Tests 4 to 7).

Test No.	Depth/ Elevation	Location	Material Tested	Dry Density (t/m ³)	Moisture Content (%)	Percent Standard Proctor	Percent Specified
1	top of subgrade	7 m S and 12 m W of site, NE corner	sand, some silt	1.96	7.5	96	95
2	"	10 m S and 18 m W of site, NE corner	"	1.98	7.1	97	95
3	"	22 m S and 20 m W of site, NE corner	"	1.96	7.7	96	95
4	Granular A Grade	20 m S and 4 m W of site, NE corner	Granular 'A'	2.27	4.0	100	100
5	"	10 m S and 8 m W of site, NE corner	"	2.31	4.4	100	100
6	"	16 m S and 10 m W of site, NE corner	"	2.29	5.0	100	100
7	"	5 m S and 2 m W of site, NE corner	"	2.25	4.3	100	100

STANDARD PROCTOR: 2.051 t/m³ @ 9.1% moisture; 2.250 t/m³ @ 7.0% moisture

COMPACTION EQUIPMENT: Vibratory smooth drum roller

TESTING REQUESTED BY: Max McCormick of R. J. Burnside and Associates

TEST RESULTS REPORTED TO: Max McCormick of R. J. Burnside and Associates

COMMENTS AND OBSERVATIONS:

CMT ENGINEERING INC.

LABORATORY PROCTOR TEST

PROJECT NO.: 12-493

PROJECT: Mill Street/Church Street/Park Street

PROJECT LOCATION: Orangeville, Ontario

SAMPLED FROM: On-Site

DATE SAMPLED/BY: November 8th 2012 by SS

DATE TESTED/BY: November 12th 2012 by JH

SOIL TYPE: Sand

MOISTURE CONTENT: 4.8 %

REMARKS:

TEST STANDARD:

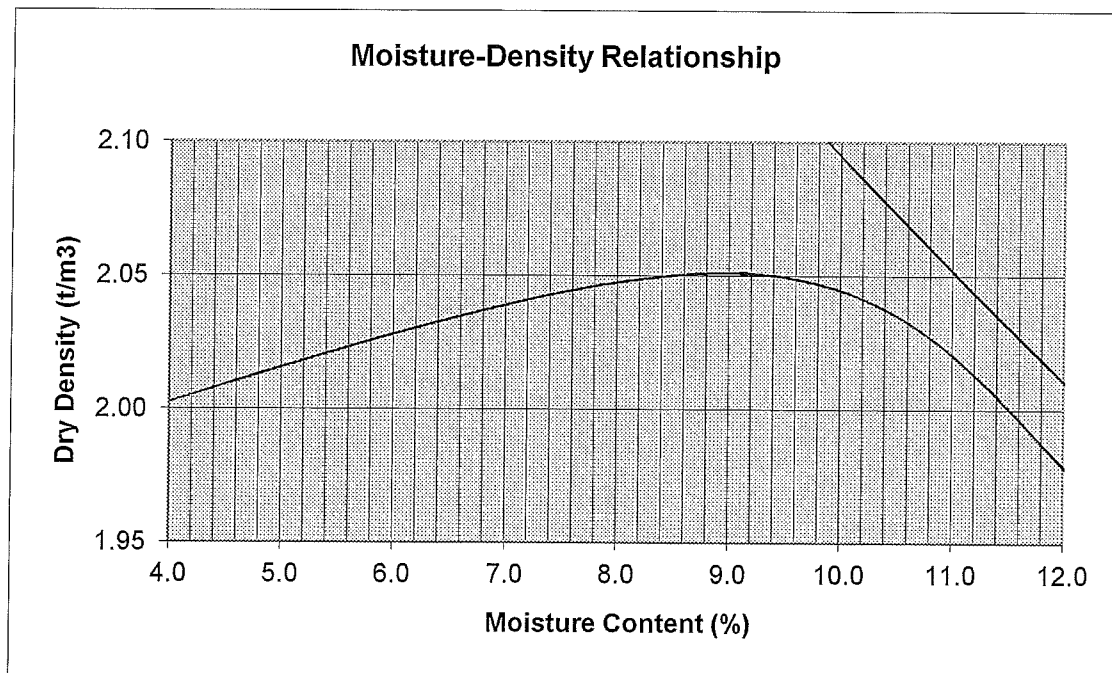
ASTM D698

PROCEDURE - ☒ A ☐ B ☐ C

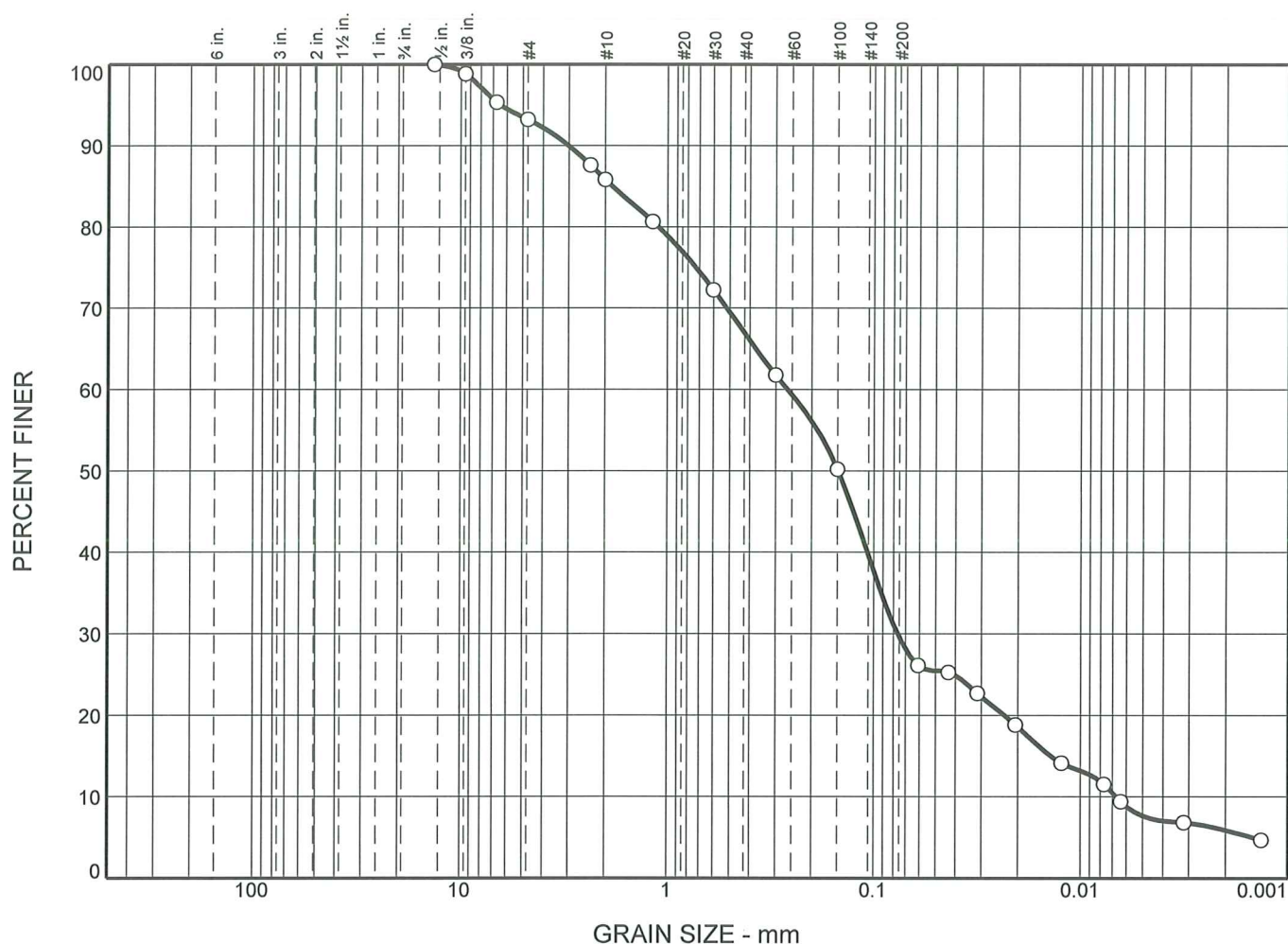
ASSUMED SPECIFIC GRAVITY: 2.65

MAXIMUM DRY DENSITY: 2.051 t/m³

OPTIMUM MOISTURE CONTENT: 9.1 %



Particle Size Distribution Report



	% Cobbles	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	6.8	7.4	18.8	37.4	23.7	5.9

SOIL DATA					
SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	Material Description	USCS
○	Orangeville	1	N/A	silty sand, trace gravel, clay	SM
				Tested by JH of CMT Engineering Inc. July 26th 2012	

CMT Engineering Inc.

St. Clements, ON

Client: R. J. Burnside and Associates

Project: Miscellaneous Lab Testing-Burnside Stratford

Project No.: 05-072

Figure 1

Your Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Your C.O.C. #: 37768701, 377687-01-01

Attention: Max McCormick
R J Burnside & Associates Ltd
292 Speedvale Ave W
Unit 7
Guelph, ON
N1H 1C4

Report Date: 2012/10/17

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B2F8075

Received: 2012/10/11, 16:55

Sample Matrix: Soil
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Methylnaphthalene Sum	5	N/A	2012/10/15	CAM SOP - 00301	EPA 8270
Hot Water Extractable Boron	5	2012/10/16	2012/10/16	CAM SOP-00408	R153 Ana. Prot. 2011
Free (WAD) Cyanide	5	N/A	2012/10/15	CAM SOP-00457	Ontario MOE CN-E3015
Conductivity	5	N/A	2012/10/16	CAM SOP-00414	APHA 2510
Hexavalent Chromium in Soil by IC (1)	5	2012/10/15	2012/10/16	CAM SOP-00436	EPA SW846-3060/7199
Petroleum Hydrocarbons F2-F4 in Soil	5	2012/10/13	2012/10/16	CAM SOP-00316	CCME CWS
Acid Extr. Metals (aqua regia) by ICPMS	5	2012/10/15	2012/10/15	CAM SOP-00447	EPA 6020
Moisture	5	N/A	2012/10/12	CAM SOP-00445	R.Carter,1993
PAH Compounds in Soil by GC/MS (SIM)	5	2012/10/11	2012/10/12	CAM SOP - 00318	EPA 8270
pH CaCl2 EXTRACT	5	2012/10/16	2012/10/16	CAM SOP-00413	SM 4500H+ B
Sodium Adsorption Ratio (SAR)	5	2012/10/11	2012/10/16	CAM SOP-00102	EPA 6010

Remarks:

Maxxam Analytics has performed all analytical testing herein in accordance with ISO 17025 and the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act. All methodologies comply with this document and are validated for use in the laboratory. The methods and techniques employed in this analysis conform to the performance criteria (detection limits, accuracy and precision) as outlined in the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act. Reporting results to two significant figures at the RDL is to permit statistical evaluation and is not intended to be an indication of analytical precision.

The CWS PHC methods employed by Maxxam conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following the 'Alberta Environment Draft Addenda to the CWS-PHC, Appendix 6, Validation of Alternate Methods'. Documentation is available upon request. Maxxam has made the following improvements to the CWS-PHC reference benchmark method: (i) Headspace for F1; and, (ii) Mechanical extraction for F2-F4. Note: F4G cannot be added to the C6 to C50 hydrocarbons. The extraction date for samples field preserved with methanol for F1 and Volatile Organic Compounds is considered to be the date sampled.

Maxxam Analytics is accredited by SCC (Lab ID 97) for all specific parameters as required by Ontario Regulation 153/04.

Your Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Your C.O.C. #: 37768701, 377687-01-01

Attention: Max McCormick
R J Burnside & Associates Ltd
292 Speedvale Ave W
Unit 7
Guelph, ON
N1H 1C4

Report Date: 2012/10/17

CERTIFICATE OF ANALYSIS

-2-

Maxxam Analytics is limited in liability to the actual cost of analysis unless otherwise agreed in writing. There is no other warranty expressed or implied. Samples will be retained at Maxxam Analytics for three weeks from receipt of data or as per contract.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Soils are reported on a dry weight basis unless otherwise specified.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Heather Jasumani, Campobello Customer Service
Email: Heather.Jasumani@maxxamanalytics.com
Phone# (905) 817-5700

=====

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Total cover pages: 2

Maxxam Job #: B2F8075
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

RESULTS OF ANALYSES OF SOIL

Maxxam ID			PE0919	PE0920	PE0921	PE0922	PE0923		
Sampling Date			2012/10/11	2012/10/11	2012/10/11	2012/10/11	2012/10/11		
COC Number			377687-01-01	377687-01-01	377687-01-01	377687-01-01	377687-01-01		
	Units	Criteria	FL1	FL2	FL3	NW1	WW1	RDL	QC Batch

Calculated Parameters									
Sodium Adsorption Ratio	N/A	5.0	0.20	0.27	0.40	0.38	0.26		2997865
Inorganics									
Chromium (VI)	ug/g	0.66	ND	ND	ND	ND	ND	0.2	3001749
Conductivity	mS/cm	0.7	0.25	0.20	0.21	0.18	0.15	0.002	3002579
Free Cyanide	ug/g	0.051	0.05	0.02	0.01	ND	ND	0.01	2999356
Moisture	%	-	20	18	21	15	14	1.0	3000140
Available (CaCl2) pH	pH	-	7.07	7.33	7.41	7.32	7.39		3002608

ND = Not detected

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2F8075
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Maxxam ID			PE0919	PE0920	PE0921		PE0922		
Sampling Date			2012/10/11	2012/10/11	2012/10/11		2012/10/11		
COC Number			377687-01-01	377687-01-01	377687-01-01		377687-01-01		
	Units	Criteria	FL1	FL2	FL3	RDL	NW1	RDL	QC Batch

Metals									
Hot Water Ext. Boron (B)	ug/g	1.5	0.56	0.27	0.28	0.050	0.13	0.050	3002571
Acid Extractable Antimony (Sb)	ug/g	1.3	2.2	2.6	2.0	0.20	12	0.20	3001399
Acid Extractable Arsenic (As)	ug/g	18	200	370	410	5.0	660	5.0	3001399
Acid Extractable Barium (Ba)	ug/g	220	120	53	65	0.50	140	0.50	3001399
Acid Extractable Beryllium (Be)	ug/g	2.5	0.37	0.30	0.32	0.20	0.50	0.20	3001399
Acid Extractable Boron (B)	ug/g	36	6.0	ND	5.2	5.0	11	5.0	3001399
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.48	0.42	0.29	0.10	2.4	0.10	3001399
Acid Extractable Chromium (Cr)	ug/g	70	12	11	13	1.0	14	1.0	3001399
Acid Extractable Cobalt (Co)	ug/g	22	4.6	4.2	5.0	0.10	8.4	0.10	3001399
Acid Extractable Copper (Cu)	ug/g	92	32	38	18	0.50	77	0.50	3001399
Acid Extractable Lead (Pb)	ug/g	120	320	68	48	1.0	250	1.0	3001399
Acid Extractable Molybdenum (Mo)	ug/g	2	1.1	ND	ND	0.50	1.1	0.50	3001399
Acid Extractable Nickel (Ni)	ug/g	82	8.8	7.1	8.5	0.50	14	0.50	3001399
Acid Extractable Selenium (Se)	ug/g	1.5	1.1	0.51	0.51	0.50	2.2	0.50	3001399
Acid Extractable Silver (Ag)	ug/g	0.5	ND	ND	ND	0.20	0.82	0.20	3001399
Acid Extractable Thallium (Tl)	ug/g	1	ND	0.072	0.092	0.050	0.18	0.050	3001399
Acid Extractable Uranium (U)	ug/g	2.5	0.43	0.35	0.34	0.050	0.46	0.050	3001399
Acid Extractable Vanadium (V)	ug/g	86	23	21	23	5.0	27	5.0	3001399
Acid Extractable Zinc (Zn)	ug/g	290	180	150	140	5.0	1100	5.0	3001399
Acid Extractable Mercury (Hg)	ug/g	0.27	0.34	0.33	0.24	0.050	9.3	0.25	3001399

ND = Not detected

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2F8075
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Maxxam ID			PE0923		
Sampling Date			2012/10/11		
COC Number			377687-01-01		
	Units	Criteria	WW1	RDL	QC Batch

Metals					
Hot Water Ext. Boron (B)	ug/g	1.5	0.12	0.050	3002571
Acid Extractable Antimony (Sb)	ug/g	1.3	2.1	0.20	3001399
Acid Extractable Arsenic (As)	ug/g	18	270	5.0	3001399
Acid Extractable Barium (Ba)	ug/g	220	53	0.50	3001399
Acid Extractable Beryllium (Be)	ug/g	2.5	0.43	0.20	3001399
Acid Extractable Boron (B)	ug/g	36	ND	5.0	3001399
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.18	0.10	3001399
Acid Extractable Chromium (Cr)	ug/g	70	16	1.0	3001399
Acid Extractable Cobalt (Co)	ug/g	22	7.4	0.10	3001399
Acid Extractable Copper (Cu)	ug/g	92	24	0.50	3001399
Acid Extractable Lead (Pb)	ug/g	120	31	1.0	3001399
Acid Extractable Molybdenum (Mo)	ug/g	2	ND	0.50	3001399
Acid Extractable Nickel (Ni)	ug/g	82	15	0.50	3001399
Acid Extractable Selenium (Se)	ug/g	1.5	ND	0.50	3001399
Acid Extractable Silver (Ag)	ug/g	0.5	ND	0.20	3001399
Acid Extractable Thallium (Tl)	ug/g	1	0.098	0.050	3001399
Acid Extractable Uranium (U)	ug/g	2.5	0.39	0.050	3001399
Acid Extractable Vanadium (V)	ug/g	86	26	5.0	3001399
Acid Extractable Zinc (Zn)	ug/g	290	74	5.0	3001399
Acid Extractable Mercury (Hg)	ug/g	0.27	0.22	0.050	3001399

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2F8075
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Maxxam ID			PE0919		PE0920		PE0921	PE0922		
Sampling Date			2012/10/11		2012/10/11		2012/10/11	2012/10/11		
COC Number			377687-01-01		377687-01-01		377687-01-01	377687-01-01		
	Units	Criteria	FL1	RDL	FL2	RDL	FL3	NW1	RDL	QC Batch

Calculated Parameters										
Methylnaphthalene, 2-(1-)	ug/g	-	ND	0.14	ND	0.071	0.063	ND	0.0071	2998449
Polyaromatic Hydrocarbons										
Acenaphthene	ug/g	0.072	ND	0.10	ND	0.050	0.052	ND	0.0050	2999005
Acenaphthylene	ug/g	0.093	ND	0.10	0.057	0.050	0.14	ND	0.0050	2999005
Anthracene	ug/g	0.22	ND	0.10	0.12	0.050	0.23	ND	0.0050	2999005
Benzo(a)anthracene	ug/g	0.36	ND	0.10	0.32	0.050	0.73	ND	0.0050	2999005
Benzo(a)pyrene	ug/g	0.3	ND	0.10	0.30	0.050	0.62	ND	0.0050	2999005
Benzo(b,j)fluoranthene	ug/g	0.47	0.17	0.10	0.43	0.050	0.81	0.0051	0.0050	2999005
Benzo(g,h,i)perylene	ug/g	0.68	ND	0.10	0.22	0.050	0.41	ND	0.0050	2999005
Benzo(k)fluoranthene	ug/g	0.48	ND	0.10	0.15	0.050	0.31	ND	0.0050	2999005
Chrysene	ug/g	2.8	ND	0.10	0.27	0.050	0.67	ND	0.0050	2999005
Dibenz(a,h)anthracene	ug/g	0.1	ND	0.10	0.051	0.050	0.13	ND	0.0050	2999005
Fluoranthene	ug/g	0.69	0.14	0.10	0.82	0.050	1.6	0.0070	0.0050	2999005
Fluorene	ug/g	0.19	ND	0.10	ND	0.050	0.11	ND	0.0050	2999005
Indeno(1,2,3-cd)pyrene	ug/g	0.23	ND	0.10	0.22	0.050	0.45	ND	0.0050	2999005
1-Methylnaphthalene	ug/g	0.59	ND	0.10	ND	0.050	0.032	ND	0.0050	2999005
2-Methylnaphthalene	ug/g	0.59	ND	0.10	ND	0.050	0.031	ND	0.0050	2999005
Naphthalene	ug/g	0.09	ND	0.10	ND	0.050	0.051	ND	0.0050	2999005
Phenanthrene	ug/g	0.69	0.19	0.10	0.37	0.050	1.3	ND	0.0050	2999005
Pyrene	ug/g	1	0.20	0.10	0.73	0.050	1.4	0.0062	0.0050	2999005
Surrogate Recovery (%)										
D10-Anthracene	%	-	74		128		76	84		2999005
D14-Terphenyl (FS)	%	-	66		88		87	101		2999005
D8-Acenaphthylene	%	-	116		65		70	75		2999005

ND = Not detected

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2F8075
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Maxxam ID			PE0923		
Sampling Date			2012/10/11		
COC Number			377687-01-01		
	Units	Criteria	WW1	RDL	QC Batch

Calculated Parameters					
Methylnaphthalene, 2-(1-)	ug/g	-	ND	0.0071	2998449
Polyaromatic Hydrocarbons					
Acenaphthene	ug/g	0.072	ND	0.0050	2999005
Acenaphthylene	ug/g	0.093	0.015	0.0050	2999005
Anthracene	ug/g	0.22	0.021	0.0050	2999005
Benzo(a)anthracene	ug/g	0.36	0.086	0.0050	2999005
Benzo(a)pyrene	ug/g	0.3	0.082	0.0050	2999005
Benzo(b/j)fluoranthene	ug/g	0.47	0.11	0.0050	2999005
Benzo(g,h,i)perylene	ug/g	0.68	0.060	0.0050	2999005
Benzo(k)fluoranthene	ug/g	0.48	0.040	0.0050	2999005
Chrysene	ug/g	2.8	0.076	0.0050	2999005
Dibenz(a,h)anthracene	ug/g	0.1	0.016	0.0050	2999005
Fluoranthene	ug/g	0.69	0.18	0.0050	2999005
Fluorene	ug/g	0.19	0.0058	0.0050	2999005
Indeno(1,2,3-cd)pyrene	ug/g	0.23	0.065	0.0050	2999005
1-Methylnaphthalene	ug/g	0.59	ND	0.0050	2999005
2-Methylnaphthalene	ug/g	0.59	ND	0.0050	2999005
Naphthalene	ug/g	0.09	ND	0.0050	2999005
Phenanthrene	ug/g	0.69	0.085	0.0050	2999005
Pyrene	ug/g	1	0.16	0.0050	2999005
Surrogate Recovery (%)					
D10-Anthracene	%	-	94		2999005
D14-Terphenyl (FS)	%	-	100		2999005
D8-Acenaphthylene	%	-	81		2999005

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body
in a Potable Groundwater Condition
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community
Property Use

Maxxam Job #: B2F8075
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

PETROLEUM HYDROCARBONS (CCME)

Maxxam ID			PE0919	PE0920	PE0921	PE0922	PE0923		
Sampling Date			2012/10/11	2012/10/11	2012/10/11	2012/10/11	2012/10/11		
COC Number			377687-01-01	377687-01-01	377687-01-01	377687-01-01	377687-01-01		
	Units	Criteria	FL1	FL2	FL3	NW1	WW1	RDL	QC Batch

F2-F4 Hydrocarbons									
F2 (C10-C16 Hydrocarbons)	ug/g	10	800	15	ND	ND	ND	10	3000670
F3 (C16-C34 Hydrocarbons)	ug/g	240	3200	110	54	ND	ND	10	3000670
F4 (C34-C50 Hydrocarbons)	ug/g	120	ND	ND	11	ND	ND	10	3000670
Reached Baseline at C50	ug/g	-	Yes	Yes	Yes	Yes	Yes		3000670
Surrogate Recovery (%)									
o-Terphenyl	%	-	130	106	104	101	102		3000670

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2F8075
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

Test Summary

Maxxam ID PE0919
Sample ID FL1
Matrix Soil

Collected 2012/10/11
Shipped
Received 2012/10/11

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	2998449	N/A	2012/10/15	Automated Statchk
Hot Water Extractable Boron	ICP	3002571	2012/10/16	2012/10/16	Azita Fazaeli
Free (WAD) Cyanide	TECH	2999356	N/A	2012/10/15	Louise Harding
Conductivity	COND	3002579	N/A	2012/10/16	Yogesh Patel
Hexavalent Chromium in Soil by IC	IC/SPEC	3001749	2012/10/15	2012/10/16	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3000670	2012/10/13	2012/10/16	Dorina Popa
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3001399	2012/10/15	2012/10/15	Hua Ren
Moisture	BAL	3000140	N/A	2012/10/12	Bonali Patel
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	2999005	2012/10/11	2012/10/12	Darryl Tiller
pH CaCl2 EXTRACT		3002608	2012/10/16	2012/10/16	Xuanhong Qiu
Sodium Adsorption Ratio (SAR)	CALC/MET	2997865	2012/10/16	2012/10/16	Automated Statchk

Maxxam ID PE0920
Sample ID FL2
Matrix Soil

Collected 2012/10/11
Shipped
Received 2012/10/11

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	2998449	N/A	2012/10/15	Automated Statchk
Hot Water Extractable Boron	ICP	3002571	2012/10/16	2012/10/16	Azita Fazaeli
Free (WAD) Cyanide	TECH	2999356	N/A	2012/10/15	Louise Harding
Conductivity	COND	3002579	N/A	2012/10/16	Yogesh Patel
Hexavalent Chromium in Soil by IC	IC/SPEC	3001749	2012/10/15	2012/10/16	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3000670	2012/10/13	2012/10/16	Dorina Popa
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3001399	2012/10/15	2012/10/15	Hua Ren
Moisture	BAL	3000140	N/A	2012/10/12	Bonali Patel
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	2999005	2012/10/11	2012/10/12	Darryl Tiller
pH CaCl2 EXTRACT		3002608	2012/10/16	2012/10/16	Xuanhong Qiu
Sodium Adsorption Ratio (SAR)	CALC/MET	2997865	2012/10/16	2012/10/16	Automated Statchk

Maxxam ID PE0921
Sample ID FL3
Matrix Soil

Collected 2012/10/11
Shipped
Received 2012/10/11

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	2998449	N/A	2012/10/15	Automated Statchk
Hot Water Extractable Boron	ICP	3002571	2012/10/16	2012/10/16	Azita Fazaeli
Free (WAD) Cyanide	TECH	2999356	N/A	2012/10/15	Louise Harding
Conductivity	COND	3002579	N/A	2012/10/16	Yogesh Patel
Hexavalent Chromium in Soil by IC	IC/SPEC	3001749	2012/10/15	2012/10/16	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3000670	2012/10/13	2012/10/16	Dorina Popa
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3001399	2012/10/15	2012/10/15	Hua Ren
Moisture	BAL	3000140	N/A	2012/10/12	Bonali Patel
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	2999005	2012/10/11	2012/10/12	Darryl Tiller
pH CaCl2 EXTRACT		3002608	2012/10/16	2012/10/16	Xuanhong Qiu
Sodium Adsorption Ratio (SAR)	CALC/MET	2997865	2012/10/16	2012/10/16	Automated Statchk

Maxxam Job #: B2F8075
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

Test Summary

Maxxam ID PE0922
Sample ID NW1
Matrix Soil

Collected 2012/10/11
Shipped
Received 2012/10/11

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	2998449	N/A	2012/10/15	Automated Statchk
Hot Water Extractable Boron	ICP	3002571	2012/10/16	2012/10/16	Azita Fazaeli
Free (WAD) Cyanide	TECH	2999356	N/A	2012/10/15	Louise Harding
Conductivity	COND	3002579	N/A	2012/10/16	Yogesh Patel
Hexavalent Chromium in Soil by IC	IC/SPEC	3001749	2012/10/15	2012/10/16	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3000670	2012/10/13	2012/10/16	Dorina Popa
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3001399	2012/10/15	2012/10/15	Hua Ren
Moisture	BAL	3000140	N/A	2012/10/12	Bonali Patel
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	2999005	2012/10/11	2012/10/12	Darryl Tiller
pH CaCl2 EXTRACT		3002608	2012/10/16	2012/10/16	Xuanhong Qiu
Sodium Adsorption Ratio (SAR)	CALC/MET	2997865	2012/10/16	2012/10/16	Automated Statchk

Maxxam ID PE0923
Sample ID WW1
Matrix Soil

Collected 2012/10/11
Shipped
Received 2012/10/11

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	2998449	N/A	2012/10/15	Automated Statchk
Hot Water Extractable Boron	ICP	3002571	2012/10/16	2012/10/16	Azita Fazaeli
Free (WAD) Cyanide	TECH	2999356	N/A	2012/10/15	Louise Harding
Conductivity	COND	3002579	N/A	2012/10/16	Yogesh Patel
Hexavalent Chromium in Soil by IC	IC/SPEC	3001749	2012/10/15	2012/10/16	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3000670	2012/10/13	2012/10/16	Dorina Popa
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3001399	2012/10/15	2012/10/15	Hua Ren
Moisture	BAL	3000140	N/A	2012/10/12	Bonali Patel
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	2999005	2012/10/11	2012/10/12	Darryl Tiller
pH CaCl2 EXTRACT		3002608	2012/10/16	2012/10/16	Xuanhong Qiu
Sodium Adsorption Ratio (SAR)	CALC/MET	2997865	2012/10/16	2012/10/16	Automated Statchk

Maxxam Job #: B2F8075
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

GENERAL COMMENTS

Revised Report (2012/10/17): Requested regulatory criteria have been included on this report.

Sample PE0919-01: PAH Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly. SAR Analysis: Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

Sample PE0920-01: PAH Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample PE0923-01: SAR Analysis: Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

Results relate only to the items tested.

R J Burnside & Associates Ltd
Attention: Max McCormick
Client Project #: 300031699
P.O. #:
Site Location: ORANGEVILLE HYDRO

Quality Assurance Report
Maxxam Job Number: MB2F8075

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
2999005 DTI	Matrix Spike	D10-Anthracene	2012/10/12		86	%	50 - 130
		D14-Terphenyl (FS)	2012/10/12		86	%	50 - 130
		D8-Acenaphthylene	2012/10/12		82	%	50 - 130
		Acenaphthene	2012/10/12		119	%	50 - 130
		Acenaphthylene	2012/10/12		82	%	50 - 130
		Anthracene	2012/10/12		162 (1)	%	50 - 130
		Benzo(a)anthracene	2012/10/12		199 (2)	%	50 - 130
		Benzo(a)pyrene	2012/10/12		139 (2)	%	50 - 130
		Benzo(b/j)fluoranthene	2012/10/12		121	%	50 - 130
		Benzo(g,h,i)perylene	2012/10/12		109	%	50 - 130
		Benzo(k)fluoranthene	2012/10/12		126	%	50 - 130
		Chrysene	2012/10/12		184 (2)	%	50 - 130
		Dibenz(a,h)anthracene	2012/10/12		111	%	50 - 130
		Fluoranthene	2012/10/12		357 (2)	%	50 - 130
		Fluorene	2012/10/12		163 (2)	%	50 - 130
		Indeno(1,2,3-cd)pyrene	2012/10/12		119	%	50 - 130
		1-Methylnaphthalene	2012/10/12		108	%	50 - 130
		2-Methylnaphthalene	2012/10/12		116	%	50 - 130
		Naphthalene	2012/10/12		168 (2)	%	50 - 130
		Phenanthrene	2012/10/12		459 (2)	%	50 - 130
		Pyrene	2012/10/12		271 (2)	%	50 - 130
	Spiked Blank	D10-Anthracene	2012/10/12		97	%	50 - 130
		D14-Terphenyl (FS)	2012/10/12		91	%	50 - 130
		D8-Acenaphthylene	2012/10/12		80	%	50 - 130
		Acenaphthene	2012/10/12		88	%	50 - 130
		Acenaphthylene	2012/10/12		81	%	50 - 130
		Anthracene	2012/10/12		95	%	50 - 130
		Benzo(a)anthracene	2012/10/12		99	%	50 - 130
		Benzo(a)pyrene	2012/10/12		93	%	50 - 130
		Benzo(b/j)fluoranthene	2012/10/12		94	%	50 - 130
		Benzo(g,h,i)perylene	2012/10/12		93	%	50 - 130
		Benzo(k)fluoranthene	2012/10/12		100	%	50 - 130
		Chrysene	2012/10/12		96	%	50 - 130
		Dibenz(a,h)anthracene	2012/10/12		96	%	50 - 130
		Fluoranthene	2012/10/12		98	%	50 - 130
		Fluorene	2012/10/12		88	%	50 - 130
		Indeno(1,2,3-cd)pyrene	2012/10/12		91	%	50 - 130
		1-Methylnaphthalene	2012/10/12		89	%	50 - 130
		2-Methylnaphthalene	2012/10/12		86	%	50 - 130
		Naphthalene	2012/10/12		81	%	50 - 130
		Phenanthrene	2012/10/12		87	%	50 - 130
		Pyrene	2012/10/12		102	%	50 - 130
	Method Blank	D10-Anthracene	2012/10/12		129	%	50 - 130
		D14-Terphenyl (FS)	2012/10/12		107	%	50 - 130
		D8-Acenaphthylene	2012/10/12		83	%	50 - 130
		Acenaphthene	2012/10/12	ND, RDL=0.0050		ug/g	
		Acenaphthylene	2012/10/12	ND, RDL=0.0050		ug/g	
		Anthracene	2012/10/12	ND, RDL=0.0050		ug/g	
		Benzo(a)anthracene	2012/10/12	ND, RDL=0.0050		ug/g	
		Benzo(a)pyrene	2012/10/12	ND, RDL=0.0050		ug/g	
		Benzo(b/j)fluoranthene	2012/10/12	ND, RDL=0.0050		ug/g	
		Benzo(g,h,i)perylene	2012/10/12	ND, RDL=0.0050		ug/g	
		Benzo(k)fluoranthene	2012/10/12	ND, RDL=0.0050		ug/g	
		Chrysene	2012/10/12	ND, RDL=0.0050		ug/g	
		Dibenz(a,h)anthracene	2012/10/12	ND, RDL=0.0050		ug/g	

R J Burnside & Associates Ltd
Attention: Max McCormick
Client Project #: 300031699
P.O. #:
Site Location: ORANGEVILLE HYDRO

Quality Assurance Report (Continued)

Maxxam Job Number: MB2F8075

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
2999005 DTI	Method Blank	Fluoranthene	2012/10/12	ND, RDL=0.0050		ug/g	
		Fluorene	2012/10/12	ND, RDL=0.0050		ug/g	
		Indeno(1,2,3-cd)pyrene	2012/10/12	ND, RDL=0.0050		ug/g	
		1-Methylnaphthalene	2012/10/12	ND, RDL=0.0050		ug/g	
		2-Methylnaphthalene	2012/10/12	ND, RDL=0.0050		ug/g	
		Naphthalene	2012/10/12	ND, RDL=0.0050		ug/g	
		Phenanthrene	2012/10/12	ND, RDL=0.0050		ug/g	
		Pyrene	2012/10/12	ND, RDL=0.0050		ug/g	
	RPD	Acenaphthene	2012/10/12	NC		%	40
		Acenaphthylene	2012/10/12	NC		%	40
		Anthracene	2012/10/12	NC		%	40
		Benzo(a)anthracene	2012/10/12	29.3		%	40
		Benzo(a)pyrene	2012/10/12	31.5		%	40
		Benzo(b/j)fluoranthene	2012/10/12	31.7		%	40
		Benzo(g,h,i)perylene	2012/10/12	NC		%	40
		Benzo(k)fluoranthene	2012/10/12	NC		%	40
		Chrysene	2012/10/12	27.3		%	40
		Dibenz(a,h)anthracene	2012/10/12	NC		%	40
		Fluoranthene	2012/10/12	24.2		%	40
		Fluorene	2012/10/12	NC		%	40
		Indeno(1,2,3-cd)pyrene	2012/10/12	NC		%	40
		1-Methylnaphthalene	2012/10/12	NC		%	40
		2-Methylnaphthalene	2012/10/12	NC		%	40
		Naphthalene	2012/10/12	NC		%	40
		Phenanthrene	2012/10/12	20.3		%	40
		Pyrene	2012/10/12	24.2		%	40
2999356 LHA	Matrix Spike	Free Cyanide	2012/10/15		97	%	75 - 125
	Spiked Blank	Free Cyanide	2012/10/15		99	%	80 - 120
	Method Blank	Free Cyanide	2012/10/15	ND, RDL=0.01		ug/g	
	RPD	Free Cyanide	2012/10/15	NC		%	35
3000140 THT	RPD	Moisture	2012/10/12	5.1		%	20
3000670 DPO	Matrix Spike	o-Terphenyl	2012/10/15		110	%	50 - 130
		F2 (C10-C16 Hydrocarbons)	2012/10/15		108	%	50 - 130
		F3 (C16-C34 Hydrocarbons)	2012/10/15		105	%	50 - 130
		F4 (C34-C50 Hydrocarbons)	2012/10/15		113	%	50 - 130
	Spiked Blank	o-Terphenyl	2012/10/15		104	%	50 - 130
		F2 (C10-C16 Hydrocarbons)	2012/10/15		96	%	70 - 130
		F3 (C16-C34 Hydrocarbons)	2012/10/15		95	%	70 - 130
		F4 (C34-C50 Hydrocarbons)	2012/10/15		97	%	70 - 130
	Method Blank	o-Terphenyl	2012/10/15		110	%	50 - 130
		F2 (C10-C16 Hydrocarbons)	2012/10/15	ND, RDL=10		ug/g	
		F3 (C16-C34 Hydrocarbons)	2012/10/15	ND, RDL=10		ug/g	
		F4 (C34-C50 Hydrocarbons)	2012/10/15	ND, RDL=10		ug/g	
	RPD	F2 (C10-C16 Hydrocarbons)	2012/10/15	NC		%	30
		F3 (C16-C34 Hydrocarbons)	2012/10/15	NC		%	30
		F4 (C34-C50 Hydrocarbons)	2012/10/15	NC		%	30
3001399 HRE	Matrix Spike	Acid Extractable Antimony (Sb)	2012/10/15		95	%	75 - 125
		Acid Extractable Arsenic (As)	2012/10/15		98	%	75 - 125
		Acid Extractable Barium (Ba)	2012/10/15		NC	%	75 - 125
		Acid Extractable Beryllium (Be)	2012/10/15		99	%	75 - 125
		Acid Extractable Boron (B)	2012/10/15		87	%	75 - 125
		Acid Extractable Cadmium (Cd)	2012/10/15		97	%	75 - 125
		Acid Extractable Chromium (Cr)	2012/10/15		97	%	75 - 125
		Acid Extractable Cobalt (Co)	2012/10/15		95	%	75 - 125
		Acid Extractable Copper (Cu)	2012/10/15		90	%	75 - 125

R J Burnside & Associates Ltd
Attention: Max McCormick
Client Project #: 300031699
P.O. #:
Site Location: ORANGEVILLE HYDRO

Quality Assurance Report (Continued)

Maxxam Job Number: MB2F8075

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
3001399 HRE	Matrix Spike	Acid Extractable Lead (Pb)	2012/10/15		NC	%	75 - 125
		Acid Extractable Molybdenum (Mo)	2012/10/15		100	%	75 - 125
		Acid Extractable Nickel (Ni)	2012/10/15		94	%	75 - 125
		Acid Extractable Selenium (Se)	2012/10/15		97	%	75 - 125
		Acid Extractable Silver (Ag)	2012/10/15		96	%	75 - 125
		Acid Extractable Thallium (Tl)	2012/10/15		91	%	75 - 125
		Acid Extractable Uranium (U)	2012/10/15		104	%	75 - 125
		Acid Extractable Vanadium (V)	2012/10/15		99	%	75 - 125
	Spiked Blank	Acid Extractable Zinc (Zn)	2012/10/15		NC	%	75 - 125
		Acid Extractable Mercury (Hg)	2012/10/15		98	%	75 - 125
		Acid Extractable Antimony (Sb)	2012/10/15		98	%	80 - 120
		Acid Extractable Arsenic (As)	2012/10/15		101	%	80 - 120
		Acid Extractable Barium (Ba)	2012/10/15		101	%	80 - 120
		Acid Extractable Beryllium (Be)	2012/10/15		99	%	80 - 120
		Acid Extractable Boron (B)	2012/10/15		96	%	80 - 120
		Acid Extractable Cadmium (Cd)	2012/10/15		100	%	80 - 120
		Acid Extractable Chromium (Cr)	2012/10/15		100	%	80 - 120
		Acid Extractable Cobalt (Co)	2012/10/15		100	%	80 - 120
		Acid Extractable Copper (Cu)	2012/10/15		100	%	80 - 120
		Acid Extractable Lead (Pb)	2012/10/15		103	%	80 - 120
		Acid Extractable Molybdenum (Mo)	2012/10/15		101	%	80 - 120
		Acid Extractable Nickel (Ni)	2012/10/15		100	%	80 - 120
		Acid Extractable Selenium (Se)	2012/10/15		98	%	80 - 120
		Acid Extractable Silver (Ag)	2012/10/15		98	%	80 - 120
	Method Blank	Acid Extractable Thallium (Tl)	2012/10/15		91	%	80 - 120
		Acid Extractable Uranium (U)	2012/10/15		105	%	80 - 120
		Acid Extractable Vanadium (V)	2012/10/15		102	%	80 - 120
		Acid Extractable Zinc (Zn)	2012/10/15		104	%	80 - 120
		Acid Extractable Mercury (Hg)	2012/10/15		107	%	80 - 120
		Acid Extractable Antimony (Sb)	2012/10/15	ND, RDL=0.20		ug/g	
		Acid Extractable Arsenic (As)	2012/10/15	ND, RDL=1.0		ug/g	
		Acid Extractable Barium (Ba)	2012/10/15	ND, RDL=0.50		ug/g	
		Acid Extractable Beryllium (Be)	2012/10/15	ND, RDL=0.20		ug/g	
		Acid Extractable Boron (B)	2012/10/15	ND, RDL=5.0		ug/g	
		Acid Extractable Cadmium (Cd)	2012/10/15	ND, RDL=0.10		ug/g	
		Acid Extractable Chromium (Cr)	2012/10/15	ND, RDL=1.0		ug/g	
		Acid Extractable Cobalt (Co)	2012/10/15	ND, RDL=0.10		ug/g	
		Acid Extractable Copper (Cu)	2012/10/15	ND, RDL=0.50		ug/g	
		Acid Extractable Lead (Pb)	2012/10/15	ND, RDL=1.0		ug/g	
		Acid Extractable Molybdenum (Mo)	2012/10/15	ND, RDL=0.50		ug/g	
	RPD	Acid Extractable Nickel (Ni)	2012/10/15	ND, RDL=0.50		ug/g	
		Acid Extractable Selenium (Se)	2012/10/15	ND, RDL=0.50		ug/g	
		Acid Extractable Silver (Ag)	2012/10/15	ND, RDL=0.20		ug/g	
		Acid Extractable Thallium (Tl)	2012/10/15	ND, RDL=0.050		ug/g	
		Acid Extractable Uranium (U)	2012/10/15	ND, RDL=0.050		ug/g	
		Acid Extractable Vanadium (V)	2012/10/15	ND, RDL=5.0		ug/g	
		Acid Extractable Zinc (Zn)	2012/10/15	ND, RDL=5.0		ug/g	
		Acid Extractable Mercury (Hg)	2012/10/15	0.066, RDL=0.050		ug/g	
		Acid Extractable Antimony (Sb)	2012/10/15	NC		%	30
		Acid Extractable Arsenic (As)	2012/10/15	0.1		%	30
		Acid Extractable Barium (Ba)	2012/10/15	3.8		%	30
		Acid Extractable Beryllium (Be)	2012/10/15	NC		%	30
		Acid Extractable Boron (B)	2012/10/15	NC		%	30
		Acid Extractable Cadmium (Cd)	2012/10/15	NC		%	30
		Acid Extractable Chromium (Cr)	2012/10/15	3.9		%	30

R J Burnside & Associates Ltd
Attention: Max McCormick
Client Project #: 300031699
P.O. #:
Site Location: ORANGEVILLE HYDRO

Quality Assurance Report (Continued)

Maxxam Job Number: MB2F8075

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
3001399 HRE	RPD	Acid Extractable Cobalt (Co)	2012/10/15	5.6		%	30
		Acid Extractable Copper (Cu)	2012/10/15	2.7		%	30
		Acid Extractable Lead (Pb)	2012/10/15	3.7		%	30
		Acid Extractable Molybdenum (Mo)	2012/10/15	NC		%	30
		Acid Extractable Nickel (Ni)	2012/10/15	2.3		%	30
		Acid Extractable Selenium (Se)	2012/10/15	NC		%	30
		Acid Extractable Silver (Ag)	2012/10/15	NC		%	30
		Acid Extractable Thallium (Tl)	2012/10/15	NC		%	30
		Acid Extractable Uranium (U)	2012/10/15	7.2		%	30
		Acid Extractable Vanadium (V)	2012/10/15	NC		%	30
		Acid Extractable Zinc (Zn)	2012/10/15	3.0		%	30
		Acid Extractable Mercury (Hg)	2012/10/15	NC		%	30
3001749 SAC	Matrix Spike	Chromium (VI)	2012/10/16		70 (3)	%	75 - 125
	QC Standard	Chromium (VI)	2012/10/16		107	%	75 - 125
	Spiked Blank	Chromium (VI)	2012/10/16		95	%	80 - 120
	Method Blank	Chromium (VI)	2012/10/16	ND, RDL=0.2		ug/g	
	RPD	Chromium (VI)	2012/10/16	NC		%	35
3002571 AFZ	Spiked Blank	Hot Water Ext. Boron (B)	2012/10/16		95	%	75 - 125
	Method Blank	Hot Water Ext. Boron (B)	2012/10/16	ND, RDL=0.050		ug/g	
3002579 YPA	QC Standard	Conductivity	2012/10/16		103	%	90 - 110
	Method Blank	Conductivity	2012/10/16	ND, RDL=0.002		mS/cm	
	RPD	Conductivity	2012/10/16	2.3		%	10

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.

Spiked Blank: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was not sufficiently significant to permit a reliable recovery calculation.

NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.

(1) The recovery was above the upper control limit possibly due to the sample heterogeneity. This may represent a high bias in some results for flagged analytes. For results that were not detected (ND), this potential bias has no impact.

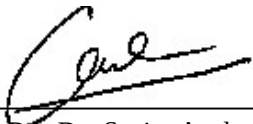
(2) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

(3) The matrix spike recovery was below the lower control limit. This may be due in part to the reducing environment of the sample.

Validation Signature Page

Maxxam Job #: B2F8075

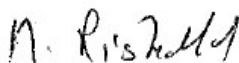
The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



Cuong Duc Do, Senior Analyst, Semi-Volatiles



Cristina Carriere, Scientific Services



Medhat Riskallah, Manager, Hydrocarbon Department

=====

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Your Project #: 300031699
 Site Location: ORANGEVILLE HYDRO
 Your C.O.C. #: 0088424

Attention: Max McCormick
 R J Burnside & Associates Ltd
 292 Speedvale Ave W
 Unit 7
 Guelph, ON
 N1H 1C4

Report Date: 2012/10/19

This report supersedes all previous reports with the same Maxxam job number

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B2G1414

Received: 2012/10/17, 14:37

Sample Matrix: Soil
 # Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Methylnaphthalene Sum	3	N/A	2012/10/18	CAM SOP - 00301	EPA 8270
Hot Water Extractable Boron	3	2012/10/18	2012/10/18	CAM SOP-00408	R153 Ana. Prot. 2011
Free (WAD) Cyanide	3	N/A	2012/10/18	CAM SOP-00457	Ontario MOE CN-E3015
Conductivity	3	N/A	2012/10/18	CAM SOP-00414	APHA 2510
Hexavalent Chromium in Soil by IC (1)	3	2012/10/17	2012/10/18	CAM SOP-00436	EPA SW846-3060/7199
Petroleum Hydrocarbons F2-F4 in Soil	3	2012/10/17	2012/10/18	CAM SOP-00316	CCME CWS
Acid Extr. Metals (aqua regia) by ICPMS	3	2012/10/18	2012/10/18	CAM SOP-00447	EPA 6020
Moisture	3	N/A	2012/10/17	CAM SOP-00445	R.Carter,1993
PAH Compounds in Soil by GC/MS (SIM)	3	2012/10/17	2012/10/18	CAM SOP - 00318	EPA 8270
pH CaCl2 EXTRACT	3	2012/10/18	2012/10/18	CAM SOP-00413	SM 4500H+ B
Sodium Adsorption Ratio (SAR)	3	2012/10/17	2012/10/18	CAM SOP-00102	EPA 6010

Remarks:

Maxxam Analytics has performed all analytical testing herein in accordance with ISO 17025 and the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act. All methodologies comply with this document and are validated for use in the laboratory. The methods and techniques employed in this analysis conform to the performance criteria (detection limits, accuracy and precision) as outlined in the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act. Reporting results to two significant figures at the RDL is to permit statistical evaluation and is not intended to be an indication of analytical precision.

The CWS PHC methods employed by Maxxam conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following the 'Alberta Environment Draft Addenda to the CWS-PHC, Appendix 6, Validation of Alternate Methods'. Documentation is available upon request. Maxxam has made the following improvements to the CWS-PHC reference benchmark method: (i) Headspace for F1; and, (ii) Mechanical extraction for F2-F4. Note: F4G cannot be added to the C6 to C50 hydrocarbons. The extraction date for samples field preserved with methanol for F1 and Volatile Organic Compounds is considered to be the date sampled.

Your Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Your C.O.C. #: 0088424

Attention: Max McCormick
R J Burnside & Associates Ltd
292 Speedvale Ave W
Unit 7
Guelph, ON
N1H 1C4

Report Date: 2012/10/19

This report supersedes all previous reports with the same Maxxam job number

CERTIFICATE OF ANALYSIS

-2-

Maxxam Analytics is accredited by SCC (Lab ID 97) for all specific parameters as required by Ontario Regulation 153/04. Maxxam Analytics is limited in liability to the actual cost of analysis unless otherwise agreed in writing. There is no other warranty expressed or implied. Samples will be retained at Maxxam Analytics for three weeks from receipt of data or as per contract.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Soils are reported on a dry weight basis unless otherwise specified.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Heather Jasumani, Campobello Customer Service
Email: Heather.Jasumani@maxxamanalytics.com
Phone# (905) 817-5700

=====

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Total cover pages: 2

Maxxam Job #: B2G1414
Report Date: 2012/10/19

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Sampler Initials: MM

RESULTS OF ANALYSES OF SOIL

Maxxam ID			PG0718	PG0719		PG0720	PG0720		
Sampling Date			2012/10/17	2012/10/17		2012/10/17	2012/10/17		
COC Number			0088424	0088424		0088424	0088424		
	Units	Criteria	FL1-2	FL2-2	QC Batch	FL3-2	FL3-2 Lab-Dup	RDL	QC Batch

Calculated Parameters									
Sodium Adsorption Ratio	N/A	5.0	0.29	0.30	3004433	0.32			3004433
Inorganics									
Chromium (VI)	ug/g	0.66	ND	ND	3004904	ND		0.2	3004904
Conductivity	mS/cm	0.7	0.12	0.12	3005772	0.099	0.097	0.002	3005772
Free Cyanide	ug/g	0.051	ND	ND	3005732	ND	ND	0.01	3005732
Moisture	%	-	19	16	3005394	15		1.0	3005436
Available (CaCl2) pH	pH	-	7.39	7.38	3005760	7.46			3005760

ND = Not detected

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2G1414
Report Date: 2012/10/19

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Maxxam ID			PG0718	PG0719		PG0720		
Sampling Date			2012/10/17	2012/10/17		2012/10/17		
COC Number			0088424	0088424		0088424		
	Units	Criteria	FL1-2	FL2-2	RDL	FL3-2	RDL	QC Batch

Metals								
Hot Water Ext. Boron (B)	ug/g	1.5	0.18	0.12	0.050	0.069	0.050	3005752
Acid Extractable Antimony (Sb)	ug/g	1.3	1.5	1.2	0.20	0.90	0.20	3005729
Acid Extractable Arsenic (As)	ug/g	18	250	220	5.0	190	1.0	3005729
Acid Extractable Barium (Ba)	ug/g	220	50	25	0.50	25	0.50	3005729
Acid Extractable Beryllium (Be)	ug/g	2.5	ND	0.22	0.20	ND	0.20	3005729
Acid Extractable Boron (B)	ug/g	36	ND	ND	5.0	ND	5.0	3005729
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.23	0.12	0.10	0.11	0.10	3005729
Acid Extractable Chromium (Cr)	ug/g	70	8.2	7.0	1.0	7.8	1.0	3005729
Acid Extractable Cobalt (Co)	ug/g	22	3.0	2.7	0.10	2.9	0.10	3005729
Acid Extractable Copper (Cu)	ug/g	92	11	9.5	0.50	20	0.50	3005729
Acid Extractable Lead (Pb)	ug/g	120	23	20	1.0	7.3	1.0	3005729
Acid Extractable Molybdenum (Mo)	ug/g	2	ND	ND	0.50	ND	0.50	3005729
Acid Extractable Nickel (Ni)	ug/g	82	5.3	4.8	0.50	5.7	0.50	3005729
Acid Extractable Selenium (Se)	ug/g	1.5	ND	0.59	0.50	ND	0.50	3005729
Acid Extractable Silver (Ag)	ug/g	0.5	ND	ND	0.20	ND	0.20	3005729
Acid Extractable Thallium (Tl)	ug/g	1	0.067	ND	0.050	0.053	0.050	3005729
Acid Extractable Uranium (U)	ug/g	2.5	0.28	0.26	0.050	0.29	0.050	3005729
Acid Extractable Vanadium (V)	ug/g	86	17	16	5.0	20	5.0	3005729
Acid Extractable Zinc (Zn)	ug/g	290	96	58	5.0	45	5.0	3005729
Acid Extractable Mercury (Hg)	ug/g	0.27	0.073	0.051	0.050	ND	0.050	3005729

ND = Not detected

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2G1414
Report Date: 2012/10/19

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Sampler Initials: MM

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Maxxam ID			PG0718	PG0719	PG0720		
Sampling Date			2012/10/17	2012/10/17	2012/10/17		
COC Number			0088424	0088424	0088424		
	Units	Criteria	FL1-2	FL2-2	FL3-2	RDL	QC Batch

Calculated Parameters							
Methylnaphthalene, 2-(1-)	ug/g	-	ND	ND	ND	0.0071	3005065
Polyaromatic Hydrocarbons							
Acenaphthene	ug/g	0.072	ND	ND	0.020	0.0050	3005418
Acenaphthylene	ug/g	0.093	0.0087	0.011	0.030	0.0050	3005418
Anthracene	ug/g	0.22	0.012	0.017	0.064	0.0050	3005418
Benzo(a)anthracene	ug/g	0.36	0.063	0.043	0.18	0.0050	3005418
Benzo(a)pyrene	ug/g	0.3	0.060	0.047	0.16	0.0050	3005418
Benzo(b/j)fluoranthene	ug/g	0.47	0.087	0.062	0.19	0.0050	3005418
Benzo(g,h,i)perylene	ug/g	0.68	0.046	0.036	0.091	0.0050	3005418
Benzo(k)fluoranthene	ug/g	0.48	0.032	0.022	0.071	0.0050	3005418
Chrysene	ug/g	2.8	0.058	0.039	0.14	0.0050	3005418
Dibenz(a,h)anthracene	ug/g	0.1	0.011	0.0077	0.026	0.0050	3005418
Fluoranthene	ug/g	0.69	0.12	0.10	0.37	0.0050	3005418
Fluorene	ug/g	0.19	ND	ND	0.023	0.0050	3005418
Indeno(1,2,3-cd)pyrene	ug/g	0.23	0.048	0.036	0.097	0.0050	3005418
1-Methylnaphthalene	ug/g	0.59	ND	ND	0.0062	0.0050	3005418
2-Methylnaphthalene	ug/g	0.59	ND	ND	ND	0.0050	3005418
Naphthalene	ug/g	0.09	ND	ND	0.0050	0.0050	3005418
Phenanthrene	ug/g	0.69	0.048	0.051	0.24	0.0050	3005418
Pyrene	ug/g	1	0.12	0.094	0.32	0.0050	3005418
Surrogate Recovery (%)							
D10-Anthracene	%	-	91	91	90		3005418
D14-Terphenyl (FS)	%	-	90	86	87		3005418
D8-Acenaphthylene	%	-	77	71	76		3005418

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2G1414
Report Date: 2012/10/19

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Sampler Initials: MM

PETROLEUM HYDROCARBONS (CCME)

Maxxam ID			PG0718	PG0719	PG0720		
Sampling Date			2012/10/17	2012/10/17	2012/10/17		
COC Number			0088424	0088424	0088424		
	Units	Criteria	FL1-2	FL2-2	FL3-2	RDL	QC Batch

F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/g	10	ND	ND	ND	10	3005517
F3 (C16-C34 Hydrocarbons)	ug/g	240	16	ND	ND	10	3005517
F4 (C34-C50 Hydrocarbons)	ug/g	120	ND	ND	ND	10	3005517
Reached Baseline at C50	ug/g	-	Yes	Yes	Yes		3005517
Surrogate Recovery (%)							
o-Terphenyl	%	-	88	88	87		3005517

ND = Not detected

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2G1414
Report Date: 2012/10/19

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Sampler Initials: MM

Test Summary

Maxxam ID PG0718
Sample ID FL1-2
Matrix Soil

Collected 2012/10/17
Shipped
Received 2012/10/17

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	3005065	N/A	2012/10/18	Automated Statchk
Hot Water Extractable Boron	ICP	3005752	2012/10/18	2012/10/18	Azita Fazaeli
Free (WAD) Cyanide	TECH	3005732	N/A	2012/10/18	Louise Harding
Conductivity	COND	3005772	N/A	2012/10/18	Neil Dassanayake
Hexavalent Chromium in Soil by IC	IC/SPEC	3004904	2012/10/17	2012/10/18	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3005517	2012/10/17	2012/10/18	Ravinder Gaidhu
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3005729	2012/10/18	2012/10/18	John Bowman
Moisture	BAL	3005394	N/A	2012/10/17	Valentina Kaftani
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	3005418	2012/10/17	2012/10/18	Lingyun Feng
pH CaCl2 EXTRACT		3005760	2012/10/18	2012/10/18	Yogesh Patel
Sodium Adsorption Ratio (SAR)	CALC/MET	3004433	2012/10/18	2012/10/18	Automated Statchk

Maxxam ID PG0719
Sample ID FL2-2
Matrix Soil

Collected 2012/10/17
Shipped
Received 2012/10/17

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	3005065	N/A	2012/10/18	Automated Statchk
Hot Water Extractable Boron	ICP	3005752	2012/10/18	2012/10/18	Azita Fazaeli
Free (WAD) Cyanide	TECH	3005732	N/A	2012/10/18	Louise Harding
Conductivity	COND	3005772	N/A	2012/10/18	Neil Dassanayake
Hexavalent Chromium in Soil by IC	IC/SPEC	3004904	2012/10/17	2012/10/18	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3005517	2012/10/17	2012/10/18	Ravinder Gaidhu
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3005729	2012/10/18	2012/10/18	John Bowman
Moisture	BAL	3005394	N/A	2012/10/17	Valentina Kaftani
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	3005418	2012/10/17	2012/10/18	Lingyun Feng
pH CaCl2 EXTRACT		3005760	2012/10/18	2012/10/18	Yogesh Patel
Sodium Adsorption Ratio (SAR)	CALC/MET	3004433	2012/10/18	2012/10/18	Automated Statchk

Maxxam ID PG0720
Sample ID FL3-2
Matrix Soil

Collected 2012/10/17
Shipped
Received 2012/10/17

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	3005065	N/A	2012/10/18	Automated Statchk
Hot Water Extractable Boron	ICP	3005752	2012/10/18	2012/10/18	Azita Fazaeli
Free (WAD) Cyanide	TECH	3005732	N/A	2012/10/18	Louise Harding
Conductivity	COND	3005772	N/A	2012/10/18	Neil Dassanayake
Hexavalent Chromium in Soil by IC	IC/SPEC	3004904	2012/10/17	2012/10/18	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3005517	2012/10/17	2012/10/18	Ravinder Gaidhu
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3005729	2012/10/18	2012/10/18	John Bowman
Moisture	BAL	3005436	N/A	2012/10/17	Valentina Kaftani
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	3005418	2012/10/17	2012/10/18	Lingyun Feng
pH CaCl2 EXTRACT		3005760	2012/10/18	2012/10/18	Yogesh Patel
Sodium Adsorption Ratio (SAR)	CALC/MET	3004433	2012/10/18	2012/10/18	Automated Statchk

Maxxam Job #: B2G1414
Report Date: 2012/10/19

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Sampler Initials: MM

Test Summary

Maxxam ID PG0720 Dup
Sample ID FL3-2
Matrix Soil

Collected 2012/10/17
Shipped
Received 2012/10/17

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Free (WAD) Cyanide	TECH	3005732	N/A	2012/10/18	Louise Harding
Conductivity	COND	3005772	N/A	2012/10/18	Neil Dassanayake

Maxxam Job #: B2G1414
Report Date: 2012/10/19

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Sampler Initials: MM

GENERAL COMMENTS

Revised Report (2012/10/19): Requested regulatory criteria have been included on this report.

Sample PG0718-01: SAR Analysis: Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

Sample PG0719-01: SAR Analysis: Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

Sample PG0720-01: SAR Analysis: Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

Results relate only to the items tested.

R J Burnside & Associates Ltd
Attention: Max McCormick
Client Project #: 300031699
P.O. #:
Site Location: ORANGEVILLE HYDRO

Quality Assurance Report
Maxxam Job Number: MB2G1414

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
3004904 SAC	Matrix Spike	Chromium (VI)	2012/10/18		0 (1)	%	75 - 125
	QC Standard	Chromium (VI)	2012/10/18		97	%	75 - 125
	Spiked Blank	Chromium (VI)	2012/10/18		96	%	80 - 120
	Method Blank	Chromium (VI)	2012/10/18	ND, RDL=0.2		ug/g	
	RPD	Chromium (VI)	2012/10/18	NC		%	35
3005394 BRL	RPD	Moisture	2012/10/17	1.8		%	20
3005418 LFE	Matrix Spike	D10-Anthracene	2012/10/18		95	%	50 - 130
		D14-Terphenyl (FS)	2012/10/18		89	%	50 - 130
		D8-Acenaphthylene	2012/10/18		78	%	50 - 130
		Acenaphthene	2012/10/18		86	%	50 - 130
		Acenaphthylene	2012/10/18		81	%	50 - 130
		Anthracene	2012/10/18		92	%	50 - 130
		Benzo(a)anthracene	2012/10/18		97	%	50 - 130
		Benzo(a)pyrene	2012/10/18		90	%	50 - 130
		Benzo(b,j)fluoranthene	2012/10/18		88	%	50 - 130
		Benzo(g,h,i)perylene	2012/10/18		92	%	50 - 130
		Benzo(k)fluoranthene	2012/10/18		97	%	50 - 130
		Chrysene	2012/10/18		94	%	50 - 130
		Dibenz(a,h)anthracene	2012/10/18		111	%	50 - 130
		Fluoranthene	2012/10/18		92	%	50 - 130
		Fluorene	2012/10/18		91	%	50 - 130
		Indeno(1,2,3-cd)pyrene	2012/10/18		96	%	50 - 130
		1-Methylnaphthalene	2012/10/18		86	%	50 - 130
		2-Methylnaphthalene	2012/10/18		86	%	50 - 130
		Naphthalene	2012/10/18		78	%	50 - 130
		Phenanthrene	2012/10/18		78	%	50 - 130
		Pyrene	2012/10/18		95	%	50 - 130
	Spiked Blank	D10-Anthracene	2012/10/18		92	%	50 - 130
		D14-Terphenyl (FS)	2012/10/18		86	%	50 - 130
		D8-Acenaphthylene	2012/10/18		78	%	50 - 130
		Acenaphthene	2012/10/18		84	%	50 - 130
		Acenaphthylene	2012/10/18		78	%	50 - 130
		Anthracene	2012/10/18		86	%	50 - 130
		Benzo(a)anthracene	2012/10/18		94	%	50 - 130
		Benzo(a)pyrene	2012/10/18		89	%	50 - 130
		Benzo(b,j)fluoranthene	2012/10/18		85	%	50 - 130
		Benzo(g,h,i)perylene	2012/10/18		90	%	50 - 130
		Benzo(k)fluoranthene	2012/10/18		96	%	50 - 130
		Chrysene	2012/10/18		91	%	50 - 130
		Dibenz(a,h)anthracene	2012/10/18		104	%	50 - 130
		Fluoranthene	2012/10/18		88	%	50 - 130
		Fluorene	2012/10/18		89	%	50 - 130
		Indeno(1,2,3-cd)pyrene	2012/10/18		96	%	50 - 130
		1-Methylnaphthalene	2012/10/18		87	%	50 - 130
		2-Methylnaphthalene	2012/10/18		85	%	50 - 130
		Naphthalene	2012/10/18		76	%	50 - 130
		Phenanthrene	2012/10/18		80	%	50 - 130
		Pyrene	2012/10/18		91	%	50 - 130
	Method Blank	D10-Anthracene	2012/10/18		74	%	50 - 130
		D14-Terphenyl (FS)	2012/10/18		109	%	50 - 130
		D8-Acenaphthylene	2012/10/18		80	%	50 - 130
		Acenaphthene	2012/10/18	ND, RDL=0.0050		ug/g	
		Acenaphthylene	2012/10/18	ND, RDL=0.0050		ug/g	
		Anthracene	2012/10/18	ND, RDL=0.0050		ug/g	
		Benzo(a)anthracene	2012/10/18	ND, RDL=0.0050		ug/g	

R J Burnside & Associates Ltd
Attention: Max McCormick
Client Project #: 300031699
P.O. #:
Site Location: ORANGEVILLE HYDRO

Quality Assurance Report (Continued)

Maxxam Job Number: MB2G1414

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
3005418 LFE	Method Blank	Benzo(a)pyrene	2012/10/18	ND, RDL=0.0050		ug/g	
		Benzo(b,j)fluoranthene	2012/10/18	ND, RDL=0.0050		ug/g	
		Benzo(g,h,i)perylene	2012/10/18	ND, RDL=0.0050		ug/g	
		Benzo(k)fluoranthene	2012/10/18	ND, RDL=0.0050		ug/g	
		Chrysene	2012/10/18	ND, RDL=0.0050		ug/g	
		Dibenz(a,h)anthracene	2012/10/18	ND, RDL=0.0050		ug/g	
		Fluoranthene	2012/10/18	ND, RDL=0.0050		ug/g	
		Fluorene	2012/10/18	ND, RDL=0.0050		ug/g	
		Indeno(1,2,3-cd)pyrene	2012/10/18	ND, RDL=0.0050		ug/g	
		1-Methylnaphthalene	2012/10/18	ND, RDL=0.0050		ug/g	
		2-Methylnaphthalene	2012/10/18	ND, RDL=0.0050		ug/g	
		Naphthalene	2012/10/18	ND, RDL=0.0050		ug/g	
		Phenanthrene	2012/10/18	ND, RDL=0.0050		ug/g	
		Pyrene	2012/10/18	ND, RDL=0.0050		ug/g	
	RPD	Acenaphthene	2012/10/18	NC		%	40
		Acenaphthylene	2012/10/18	NC		%	40
		Anthracene	2012/10/18	NC		%	40
		Fluoranthene	2012/10/18	NC		%	40
		Fluorene	2012/10/18	NC		%	40
		1-Methylnaphthalene	2012/10/18	NC		%	40
		2-Methylnaphthalene	2012/10/18	NC		%	40
		Naphthalene	2012/10/18	NC		%	40
		Phenanthrene	2012/10/18	NC		%	40
3005436 THT	RPD	Moisture	2012/10/17	3.6		%	20
3005517 RGA	Matrix Spike	o-Terphenyl	2012/10/18		89	%	50 - 130
		F2 (C10-C16 Hydrocarbons)	2012/10/18		95	%	50 - 130
		F3 (C16-C34 Hydrocarbons)	2012/10/18		NC	%	50 - 130
		F4 (C34-C50 Hydrocarbons)	2012/10/18		105	%	50 - 130
	Spiked Blank	o-Terphenyl	2012/10/18		89	%	50 - 130
		F2 (C10-C16 Hydrocarbons)	2012/10/18		93	%	70 - 130
		F3 (C16-C34 Hydrocarbons)	2012/10/18		94	%	70 - 130
		F4 (C34-C50 Hydrocarbons)	2012/10/18		101	%	70 - 130
	Method Blank	o-Terphenyl	2012/10/18		93	%	50 - 130
		F2 (C10-C16 Hydrocarbons)	2012/10/18	ND, RDL=10		ug/g	
		F3 (C16-C34 Hydrocarbons)	2012/10/18	ND, RDL=10		ug/g	
		F4 (C34-C50 Hydrocarbons)	2012/10/18	ND, RDL=10		ug/g	
	RPD	F2 (C10-C16 Hydrocarbons)	2012/10/18	NC		%	30
		F3 (C16-C34 Hydrocarbons)	2012/10/18	25.3		%	30
		F4 (C34-C50 Hydrocarbons)	2012/10/18	8.7		%	30
3005729 JBW	Matrix Spike	Acid Extractable Antimony (Sb)	2012/10/18		99	%	75 - 125
		Acid Extractable Arsenic (As)	2012/10/18		105	%	75 - 125
		Acid Extractable Barium (Ba)	2012/10/18		91	%	75 - 125
		Acid Extractable Beryllium (Be)	2012/10/18		100	%	75 - 125
		Acid Extractable Boron (B)	2012/10/18		93	%	75 - 125
		Acid Extractable Cadmium (Cd)	2012/10/18		102	%	75 - 125
		Acid Extractable Chromium (Cr)	2012/10/18		99	%	75 - 125
		Acid Extractable Cobalt (Co)	2012/10/18		99	%	75 - 125
		Acid Extractable Copper (Cu)	2012/10/18		92	%	75 - 125
		Acid Extractable Lead (Pb)	2012/10/18		100	%	75 - 125
		Acid Extractable Molybdenum (Mo)	2012/10/18		103	%	75 - 125
		Acid Extractable Nickel (Ni)	2012/10/18		98	%	75 - 125
		Acid Extractable Selenium (Se)	2012/10/18		103	%	75 - 125
		Acid Extractable Silver (Ag)	2012/10/18		99	%	75 - 125
		Acid Extractable Thallium (Tl)	2012/10/18		92	%	75 - 125
		Acid Extractable Uranium (U)	2012/10/18		110	%	75 - 125

R J Burnside & Associates Ltd
Attention: Max McCormick
Client Project #: 300031699
P.O. #:
Site Location: ORANGEVILLE HYDRO

Quality Assurance Report (Continued)

Maxxam Job Number: MB2G1414

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
3005729 JBW	Matrix Spike	Acid Extractable Vanadium (V)	2012/10/18		108	%	75 - 125
		Acid Extractable Zinc (Zn)	2012/10/18		NC	%	75 - 125
		Acid Extractable Mercury (Hg)	2012/10/18		106	%	75 - 125
	Spiked Blank	Acid Extractable Antimony (Sb)	2012/10/18		95	%	80 - 120
		Acid Extractable Arsenic (As)	2012/10/18		105	%	80 - 120
		Acid Extractable Barium (Ba)	2012/10/18		99	%	80 - 120
		Acid Extractable Beryllium (Be)	2012/10/18		99	%	80 - 120
		Acid Extractable Boron (B)	2012/10/18		95	%	80 - 120
		Acid Extractable Cadmium (Cd)	2012/10/18		101	%	80 - 120
		Acid Extractable Chromium (Cr)	2012/10/18		102	%	80 - 120
		Acid Extractable Cobalt (Co)	2012/10/18		101	%	80 - 120
		Acid Extractable Copper (Cu)	2012/10/18		101	%	80 - 120
		Acid Extractable Lead (Pb)	2012/10/18		102	%	80 - 120
		Acid Extractable Molybdenum (Mo)	2012/10/18		101	%	80 - 120
		Acid Extractable Nickel (Ni)	2012/10/18		102	%	80 - 120
		Acid Extractable Selenium (Se)	2012/10/18		104	%	80 - 120
		Acid Extractable Silver (Ag)	2012/10/18		100	%	80 - 120
		Acid Extractable Thallium (Tl)	2012/10/18		92	%	80 - 120
		Acid Extractable Uranium (U)	2012/10/18		108	%	80 - 120
		Acid Extractable Vanadium (V)	2012/10/18		108	%	80 - 120
		Acid Extractable Zinc (Zn)	2012/10/18		106	%	80 - 120
		Acid Extractable Mercury (Hg)	2012/10/18		103	%	80 - 120
	Method Blank	Acid Extractable Antimony (Sb)	2012/10/18	ND, RDL=0.20		ug/g	
		Acid Extractable Arsenic (As)	2012/10/18	ND, RDL=1.0		ug/g	
		Acid Extractable Barium (Ba)	2012/10/18	ND, RDL=0.50		ug/g	
		Acid Extractable Beryllium (Be)	2012/10/18	ND, RDL=0.20		ug/g	
		Acid Extractable Boron (B)	2012/10/18	ND, RDL=5.0		ug/g	
		Acid Extractable Cadmium (Cd)	2012/10/18	ND, RDL=0.10		ug/g	
		Acid Extractable Chromium (Cr)	2012/10/18	ND, RDL=1.0		ug/g	
		Acid Extractable Cobalt (Co)	2012/10/18	ND, RDL=0.10		ug/g	
		Acid Extractable Copper (Cu)	2012/10/18	ND, RDL=0.50		ug/g	
		Acid Extractable Lead (Pb)	2012/10/18	ND, RDL=1.0		ug/g	
		Acid Extractable Molybdenum (Mo)	2012/10/18	ND, RDL=0.50		ug/g	
		Acid Extractable Nickel (Ni)	2012/10/18	ND, RDL=0.50		ug/g	
		Acid Extractable Selenium (Se)	2012/10/18	ND, RDL=0.50		ug/g	
		Acid Extractable Silver (Ag)	2012/10/18	ND, RDL=0.20		ug/g	
		Acid Extractable Thallium (Tl)	2012/10/18	ND, RDL=0.050		ug/g	
		Acid Extractable Uranium (U)	2012/10/18	ND, RDL=0.050		ug/g	
		Acid Extractable Vanadium (V)	2012/10/18	ND, RDL=5.0		ug/g	
		Acid Extractable Zinc (Zn)	2012/10/18	ND, RDL=5.0		ug/g	
		Acid Extractable Mercury (Hg)	2012/10/18	ND, RDL=0.050		ug/g	
	RPD	Acid Extractable Antimony (Sb)	2012/10/18	NC		%	30
		Acid Extractable Arsenic (As)	2012/10/18	NC		%	30
		Acid Extractable Barium (Ba)	2012/10/18	2.5		%	30
		Acid Extractable Beryllium (Be)	2012/10/18	NC		%	30
		Acid Extractable Boron (B)	2012/10/18	NC		%	30
		Acid Extractable Cadmium (Cd)	2012/10/18	NC		%	30
		Acid Extractable Chromium (Cr)	2012/10/18	NC		%	30
		Acid Extractable Cobalt (Co)	2012/10/18	6.6		%	30
		Acid Extractable Copper (Cu)	2012/10/18	11.6		%	30
		Acid Extractable Lead (Pb)	2012/10/18	4.2		%	30
		Acid Extractable Molybdenum (Mo)	2012/10/18	NC		%	30
		Acid Extractable Nickel (Ni)	2012/10/18	6.7		%	30
		Acid Extractable Selenium (Se)	2012/10/18	NC		%	30
		Acid Extractable Silver (Ag)	2012/10/18	NC		%	30

R J Burnside & Associates Ltd
Attention: Max McCormick
Client Project #: 300031699
P.O. #:
Site Location: ORANGEVILLE HYDRO

Quality Assurance Report (Continued)

Maxxam Job Number: MB2G1414

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
3005729 JBW	RPD	Acid Extractable Thallium (Tl)	2012/10/18	NC		%	30
		Acid Extractable Uranium (U)	2012/10/18	14.7		%	30
		Acid Extractable Vanadium (V)	2012/10/18	NC		%	30
		Acid Extractable Zinc (Zn)	2012/10/18	1.1		%	30
		Acid Extractable Mercury (Hg)	2012/10/18	NC		%	30
3005732 LHA	Matrix Spike						
	[PG0720-01]	Free Cyanide	2012/10/18		95	%	75 - 125
	Spiked Blank	Free Cyanide	2012/10/18		104	%	80 - 120
	Method Blank	Free Cyanide	2012/10/18	ND, RDL=0.01		ug/g	
3005752 AFZ	RPD [PG0720-01]	Free Cyanide	2012/10/18	NC		%	35
	Spiked Blank	Hot Water Ext. Boron (B)	2012/10/18		94	%	75 - 125
	Method Blank	Hot Water Ext. Boron (B)	2012/10/18	ND, RDL=0.050		ug/g	
3005772 NYS	QC Standard	Conductivity	2012/10/18		99	%	90 - 110
	Method Blank	Conductivity	2012/10/18	ND, RDL=0.002		mS/cm	
	RPD [PG0720-01]	Conductivity	2012/10/18	1.5		%	10

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.

Spiked Blank: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was not sufficiently significant to permit a reliable recovery calculation.

NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.

(1) The matrix spike recovery was below the lower control limit. This may be due in part to the reducing environment of the sample.

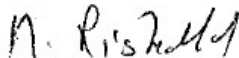
Validation Signature Page

Maxxam Job #: B2G1414

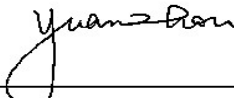
The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Ewa Pranjic, M.Sc., C.Chem, Scientific Specialist



Medhat Riskallah, Manager, Hydrocarbon Department



Yuan Zhou, gc/ms Technician

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Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Your Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Your C.O.C. #: 0088424

Attention: Max McCormick
R J Burnside & Associates Ltd
292 Speedvale Ave W
Unit 7
Guelph, ON
N1H 1C4

Report Date: 2012/10/19

This report supersedes all previous reports with the same Maxxam job number

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B2G1414

Received: 2012/10/17, 14:37

Sample Matrix: Soil
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Methylnaphthalene Sum	3	N/A	2012/10/18	CAM SOP - 00301	EPA 8270
Hot Water Extractable Boron	3	2012/10/18	2012/10/18	CAM SOP-00408	R153 Ana. Prot. 2011
Free (WAD) Cyanide	3	N/A	2012/10/18	CAM SOP-00457	Ontario MOE CN-E3015
Conductivity	3	N/A	2012/10/18	CAM SOP-00414	APHA 2510
Hexavalent Chromium in Soil by IC (1)	3	2012/10/17	2012/10/18	CAM SOP-00436	EPA SW846-3060/7199
Petroleum Hydrocarbons F2-F4 in Soil	3	2012/10/17	2012/10/18	CAM SOP-00316	CCME CWS
Acid Extr. Metals (aqua regia) by ICPMS	3	2012/10/18	2012/10/18	CAM SOP-00447	EPA 6020
Moisture	3	N/A	2012/10/17	CAM SOP-00445	R.Carter,1993
PAH Compounds in Soil by GC/MS (SIM)	3	2012/10/17	2012/10/18	CAM SOP - 00318	EPA 8270
pH CaCl2 EXTRACT	3	2012/10/18	2012/10/18	CAM SOP-00413	SM 4500H+ B
Sodium Adsorption Ratio (SAR)	3	2012/10/17	2012/10/18	CAM SOP-00102	EPA 6010

Remarks:

Maxxam Analytics has performed all analytical testing herein in accordance with ISO 17025 and the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act. All methodologies comply with this document and are validated for use in the laboratory. The methods and techniques employed in this analysis conform to the performance criteria (detection limits, accuracy and precision) as outlined in the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act. Reporting results to two significant figures at the RDL is to permit statistical evaluation and is not intended to be an indication of analytical precision.

The CWS PHC methods employed by Maxxam conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following the 'Alberta Environment Draft Addenda to the CWS-PHC, Appendix 6, Validation of Alternate Methods'. Documentation is available upon request. Maxxam has made the following improvements to the CWS-PHC reference benchmark method: (i) Headspace for F1; and, (ii) Mechanical extraction for F2-F4. Note: F4G cannot be added to the C6 to C50 hydrocarbons. The extraction date for samples field preserved with methanol for F1 and Volatile Organic Compounds is considered to be the date sampled.

Your Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Your C.O.C. #: 0088424

Attention: Max McCormick
R J Burnside & Associates Ltd
292 Speedvale Ave W
Unit 7
Guelph, ON
N1H 1C4

Report Date: 2012/10/19

This report supersedes all previous reports with the same Maxxam job number

CERTIFICATE OF ANALYSIS

-2-

Maxxam Analytics is accredited by SCC (Lab ID 97) for all specific parameters as required by Ontario Regulation 153/04. Maxxam Analytics is limited in liability to the actual cost of analysis unless otherwise agreed in writing. There is no other warranty expressed or implied. Samples will be retained at Maxxam Analytics for three weeks from receipt of data or as per contract.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Soils are reported on a dry weight basis unless otherwise specified.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Heather Jasumani, Campobello Customer Service
Email: Heather.Jasumani@maxxamanalytics.com
Phone# (905) 817-5700

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Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Total cover pages: 2

Maxxam Job #: B2G1414
Report Date: 2012/10/19

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Sampler Initials: MM

RESULTS OF ANALYSES OF SOIL

Maxxam ID			PG0718	PG0719		PG0720	PG0720		
Sampling Date			2012/10/17	2012/10/17		2012/10/17	2012/10/17		
COC Number			0088424	0088424		0088424	0088424		
	Units	Criteria	FL1-2	FL2-2	QC Batch	FL3-2	FL3-2 Lab-Dup	RDL	QC Batch

Calculated Parameters									
Sodium Adsorption Ratio	N/A	5.0	0.29	0.30	3004433	0.32			3004433
Inorganics									
Chromium (VI)	ug/g	0.66	ND	ND	3004904	ND		0.2	3004904
Conductivity	mS/cm	0.7	0.12	0.12	3005772	0.099	0.097	0.002	3005772
Free Cyanide	ug/g	0.051	ND	ND	3005732	ND	ND	0.01	3005732
Moisture	%	-	19	16	3005394	15		1.0	3005436
Available (CaCl2) pH	pH	-	7.39	7.38	3005760	7.46			3005760

ND = Not detected

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2G1414
Report Date: 2012/10/19

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Sampler Initials: MM

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Maxxam ID			PG0718	PG0719		PG0720		
Sampling Date			2012/10/17	2012/10/17		2012/10/17		
COC Number			0088424	0088424		0088424		
	Units	Criteria	FL1-2	FL2-2	RDL	FL3-2	RDL	QC Batch

Metals								
Hot Water Ext. Boron (B)	ug/g	1.5	0.18	0.12	0.050	0.069	0.050	3005752
Acid Extractable Antimony (Sb)	ug/g	1.3	1.5	1.2	0.20	0.90	0.20	3005729
Acid Extractable Arsenic (As)	ug/g	18	250	220	5.0	190	1.0	3005729
Acid Extractable Barium (Ba)	ug/g	220	50	25	0.50	25	0.50	3005729
Acid Extractable Beryllium (Be)	ug/g	2.5	ND	0.22	0.20	ND	0.20	3005729
Acid Extractable Boron (B)	ug/g	36	ND	ND	5.0	ND	5.0	3005729
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.23	0.12	0.10	0.11	0.10	3005729
Acid Extractable Chromium (Cr)	ug/g	70	8.2	7.0	1.0	7.8	1.0	3005729
Acid Extractable Cobalt (Co)	ug/g	22	3.0	2.7	0.10	2.9	0.10	3005729
Acid Extractable Copper (Cu)	ug/g	92	11	9.5	0.50	20	0.50	3005729
Acid Extractable Lead (Pb)	ug/g	120	23	20	1.0	7.3	1.0	3005729
Acid Extractable Molybdenum (Mo)	ug/g	2	ND	ND	0.50	ND	0.50	3005729
Acid Extractable Nickel (Ni)	ug/g	82	5.3	4.8	0.50	5.7	0.50	3005729
Acid Extractable Selenium (Se)	ug/g	1.5	ND	0.59	0.50	ND	0.50	3005729
Acid Extractable Silver (Ag)	ug/g	0.5	ND	ND	0.20	ND	0.20	3005729
Acid Extractable Thallium (Tl)	ug/g	1	0.067	ND	0.050	0.053	0.050	3005729
Acid Extractable Uranium (U)	ug/g	2.5	0.28	0.26	0.050	0.29	0.050	3005729
Acid Extractable Vanadium (V)	ug/g	86	17	16	5.0	20	5.0	3005729
Acid Extractable Zinc (Zn)	ug/g	290	96	58	5.0	45	5.0	3005729
Acid Extractable Mercury (Hg)	ug/g	0.27	0.073	0.051	0.050	ND	0.050	3005729

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2G1414
Report Date: 2012/10/19

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Sampler Initials: MM

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Maxxam ID			PG0718	PG0719	PG0720		
Sampling Date			2012/10/17	2012/10/17	2012/10/17		
COC Number			0088424	0088424	0088424		
	Units	Criteria	FL1-2	FL2-2	FL3-2	RDL	QC Batch

Calculated Parameters							
Methylnaphthalene, 2-(1-)	ug/g	-	ND	ND	ND	0.0071	3005065
Polyaromatic Hydrocarbons							
Acenaphthene	ug/g	0.072	ND	ND	0.020	0.0050	3005418
Acenaphthylene	ug/g	0.093	0.0087	0.011	0.030	0.0050	3005418
Anthracene	ug/g	0.22	0.012	0.017	0.064	0.0050	3005418
Benzo(a)anthracene	ug/g	0.36	0.063	0.043	0.18	0.0050	3005418
Benzo(a)pyrene	ug/g	0.3	0.060	0.047	0.16	0.0050	3005418
Benzo(b/j)fluoranthene	ug/g	0.47	0.087	0.062	0.19	0.0050	3005418
Benzo(g,h,i)perylene	ug/g	0.68	0.046	0.036	0.091	0.0050	3005418
Benzo(k)fluoranthene	ug/g	0.48	0.032	0.022	0.071	0.0050	3005418
Chrysene	ug/g	2.8	0.058	0.039	0.14	0.0050	3005418
Dibenz(a,h)anthracene	ug/g	0.1	0.011	0.0077	0.026	0.0050	3005418
Fluoranthene	ug/g	0.69	0.12	0.10	0.37	0.0050	3005418
Fluorene	ug/g	0.19	ND	ND	0.023	0.0050	3005418
Indeno(1,2,3-cd)pyrene	ug/g	0.23	0.048	0.036	0.097	0.0050	3005418
1-Methylnaphthalene	ug/g	0.59	ND	ND	0.0062	0.0050	3005418
2-Methylnaphthalene	ug/g	0.59	ND	ND	ND	0.0050	3005418
Naphthalene	ug/g	0.09	ND	ND	0.0050	0.0050	3005418
Phenanthrene	ug/g	0.69	0.048	0.051	0.24	0.0050	3005418
Pyrene	ug/g	1	0.12	0.094	0.32	0.0050	3005418
Surrogate Recovery (%)							
D10-Anthracene	%	-	91	91	90		3005418
D14-Terphenyl (FS)	%	-	90	86	87		3005418
D8-Acenaphthylene	%	-	77	71	76		3005418

ND = Not detected
RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2G1414
Report Date: 2012/10/19

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Sampler Initials: MM

PETROLEUM HYDROCARBONS (CCME)

Maxxam ID			PG0718	PG0719	PG0720		
Sampling Date			2012/10/17	2012/10/17	2012/10/17		
COC Number			0088424	0088424	0088424		
	Units	Criteria	FL1-2	FL2-2	FL3-2	RDL	QC Batch

F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/g	10	ND	ND	ND	10	3005517
F3 (C16-C34 Hydrocarbons)	ug/g	240	16	ND	ND	10	3005517
F4 (C34-C50 Hydrocarbons)	ug/g	120	ND	ND	ND	10	3005517
Reached Baseline at C50	ug/g	-	Yes	Yes	Yes		3005517
Surrogate Recovery (%)							
o-Terphenyl	%	-	88	88	87		3005517

ND = Not detected

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2G1414
Report Date: 2012/10/19

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Sampler Initials: MM

Test Summary

Maxxam ID PG0718
Sample ID FL1-2
Matrix Soil

Collected 2012/10/17
Shipped
Received 2012/10/17

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	3005065	N/A	2012/10/18	Automated Statchk
Hot Water Extractable Boron	ICP	3005752	2012/10/18	2012/10/18	Azita Fazaeli
Free (WAD) Cyanide	TECH	3005732	N/A	2012/10/18	Louise Harding
Conductivity	COND	3005772	N/A	2012/10/18	Neil Dassanayake
Hexavalent Chromium in Soil by IC	IC/SPEC	3004904	2012/10/17	2012/10/18	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3005517	2012/10/17	2012/10/18	Ravinder Gaidhu
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3005729	2012/10/18	2012/10/18	John Bowman
Moisture	BAL	3005394	N/A	2012/10/17	Valentina Kaftani
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	3005418	2012/10/17	2012/10/18	Lingyun Feng
pH CaCl2 EXTRACT		3005760	2012/10/18	2012/10/18	Yogesh Patel
Sodium Adsorption Ratio (SAR)	CALC/MET	3004433	2012/10/18	2012/10/18	Automated Statchk

Maxxam ID PG0719
Sample ID FL2-2
Matrix Soil

Collected 2012/10/17
Shipped
Received 2012/10/17

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	3005065	N/A	2012/10/18	Automated Statchk
Hot Water Extractable Boron	ICP	3005752	2012/10/18	2012/10/18	Azita Fazaeli
Free (WAD) Cyanide	TECH	3005732	N/A	2012/10/18	Louise Harding
Conductivity	COND	3005772	N/A	2012/10/18	Neil Dassanayake
Hexavalent Chromium in Soil by IC	IC/SPEC	3004904	2012/10/17	2012/10/18	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3005517	2012/10/17	2012/10/18	Ravinder Gaidhu
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3005729	2012/10/18	2012/10/18	John Bowman
Moisture	BAL	3005394	N/A	2012/10/17	Valentina Kaftani
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	3005418	2012/10/17	2012/10/18	Lingyun Feng
pH CaCl2 EXTRACT		3005760	2012/10/18	2012/10/18	Yogesh Patel
Sodium Adsorption Ratio (SAR)	CALC/MET	3004433	2012/10/18	2012/10/18	Automated Statchk

Maxxam ID PG0720
Sample ID FL3-2
Matrix Soil

Collected 2012/10/17
Shipped
Received 2012/10/17

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	3005065	N/A	2012/10/18	Automated Statchk
Hot Water Extractable Boron	ICP	3005752	2012/10/18	2012/10/18	Azita Fazaeli
Free (WAD) Cyanide	TECH	3005732	N/A	2012/10/18	Louise Harding
Conductivity	COND	3005772	N/A	2012/10/18	Neil Dassanayake
Hexavalent Chromium in Soil by IC	IC/SPEC	3004904	2012/10/17	2012/10/18	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3005517	2012/10/17	2012/10/18	Ravinder Gaidhu
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3005729	2012/10/18	2012/10/18	John Bowman
Moisture	BAL	3005436	N/A	2012/10/17	Valentina Kaftani
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	3005418	2012/10/17	2012/10/18	Lingyun Feng
pH CaCl2 EXTRACT		3005760	2012/10/18	2012/10/18	Yogesh Patel
Sodium Adsorption Ratio (SAR)	CALC/MET	3004433	2012/10/18	2012/10/18	Automated Statchk

Maxxam Job #: B2G1414
Report Date: 2012/10/19

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Sampler Initials: MM

Test Summary

Maxxam ID PG0720 Dup
Sample ID FL3-2
Matrix Soil

Collected 2012/10/17
Shipped
Received 2012/10/17

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Free (WAD) Cyanide	TECH	3005732	N/A	2012/10/18	Louise Harding
Conductivity	COND	3005772	N/A	2012/10/18	Neil Dassanayake

Maxxam Job #: B2G1414
Report Date: 2012/10/19

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO
Sampler Initials: MM

GENERAL COMMENTS

Revised Report (2012/10/19): Requested regulatory criteria have been included on this report.

Sample PG0718-01: SAR Analysis: Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

Sample PG0719-01: SAR Analysis: Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

Sample PG0720-01: SAR Analysis: Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

Results relate only to the items tested.

R J Burnside & Associates Ltd
Attention: Max McCormick
Client Project #: 300031699
P.O. #:
Site Location: ORANGEVILLE HYDRO

Quality Assurance Report

Maxxam Job Number: MB2G1414

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
3004904 SAC	Matrix Spike	Chromium (VI)	2012/10/18		0 (1)	%	75 - 125
	QC Standard	Chromium (VI)	2012/10/18		97	%	75 - 125
	Spiked Blank	Chromium (VI)	2012/10/18		96	%	80 - 120
	Method Blank	Chromium (VI)	2012/10/18	ND, RDL=0.2		ug/g	
	RPD	Chromium (VI)	2012/10/18	NC		%	35
3005394 BRL	RPD	Moisture	2012/10/17	1.8		%	20
3005418 LFE	Matrix Spike	D10-Anthracene	2012/10/18		95	%	50 - 130
		D14-Terphenyl (FS)	2012/10/18		89	%	50 - 130
		D8-Acenaphthylene	2012/10/18		78	%	50 - 130
		Acenaphthene	2012/10/18		86	%	50 - 130
		Acenaphthylene	2012/10/18		81	%	50 - 130
		Anthracene	2012/10/18		92	%	50 - 130
		Benzo(a)anthracene	2012/10/18		97	%	50 - 130
		Benzo(a)pyrene	2012/10/18		90	%	50 - 130
		Benzo(b,j)fluoranthene	2012/10/18		88	%	50 - 130
		Benzo(g,h,i)perylene	2012/10/18		92	%	50 - 130
		Benzo(k)fluoranthene	2012/10/18		97	%	50 - 130
		Chrysene	2012/10/18		94	%	50 - 130
		Dibenz(a,h)anthracene	2012/10/18		111	%	50 - 130
		Fluoranthene	2012/10/18		92	%	50 - 130
		Fluorene	2012/10/18		91	%	50 - 130
		Indeno(1,2,3-cd)pyrene	2012/10/18		96	%	50 - 130
		1-Methylnaphthalene	2012/10/18		86	%	50 - 130
		2-Methylnaphthalene	2012/10/18		86	%	50 - 130
		Naphthalene	2012/10/18		78	%	50 - 130
	Spiked Blank	Phenanthrene	2012/10/18		78	%	50 - 130
		Pyrene	2012/10/18		95	%	50 - 130
		D10-Anthracene	2012/10/18		92	%	50 - 130
		D14-Terphenyl (FS)	2012/10/18		86	%	50 - 130
		D8-Acenaphthylene	2012/10/18		78	%	50 - 130
		Acenaphthene	2012/10/18		84	%	50 - 130
		Acenaphthylene	2012/10/18		78	%	50 - 130
		Anthracene	2012/10/18		86	%	50 - 130
		Benzo(a)anthracene	2012/10/18		94	%	50 - 130
		Benzo(a)pyrene	2012/10/18		89	%	50 - 130
		Benzo(b,j)fluoranthene	2012/10/18		85	%	50 - 130
		Benzo(g,h,i)perylene	2012/10/18		90	%	50 - 130
		Benzo(k)fluoranthene	2012/10/18		96	%	50 - 130
		Chrysene	2012/10/18		91	%	50 - 130
		Dibenz(a,h)anthracene	2012/10/18		104	%	50 - 130
		Fluoranthene	2012/10/18		88	%	50 - 130
		Fluorene	2012/10/18		89	%	50 - 130
		Indeno(1,2,3-cd)pyrene	2012/10/18		96	%	50 - 130
	Method Blank	1-Methylnaphthalene	2012/10/18		87	%	50 - 130
		2-Methylnaphthalene	2012/10/18		85	%	50 - 130
		Naphthalene	2012/10/18		76	%	50 - 130
		Phenanthrene	2012/10/18		80	%	50 - 130
		Pyrene	2012/10/18		91	%	50 - 130
		D10-Anthracene	2012/10/18		74	%	50 - 130
		D14-Terphenyl (FS)	2012/10/18		109	%	50 - 130
		D8-Acenaphthylene	2012/10/18		80	%	50 - 130
		Acenaphthene	2012/10/18	ND, RDL=0.0050		ug/g	
		Acenaphthylene	2012/10/18	ND, RDL=0.0050		ug/g	
		Anthracene	2012/10/18	ND, RDL=0.0050		ug/g	
		Benzo(a)anthracene	2012/10/18	ND, RDL=0.0050		ug/g	

R J Burnside & Associates Ltd
Attention: Max McCormick
Client Project #: 300031699
P.O. #:
Site Location: ORANGEVILLE HYDRO

Quality Assurance Report (Continued)

Maxxam Job Number: MB2G1414

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
3005418 LFE	Method Blank	Benzo(a)pyrene	2012/10/18	ND, RDL=0.0050		ug/g	
		Benzo(b,j)fluoranthene	2012/10/18	ND, RDL=0.0050		ug/g	
		Benzo(g,h,i)perylene	2012/10/18	ND, RDL=0.0050		ug/g	
		Benzo(k)fluoranthene	2012/10/18	ND, RDL=0.0050		ug/g	
		Chrysene	2012/10/18	ND, RDL=0.0050		ug/g	
		Dibenz(a,h)anthracene	2012/10/18	ND, RDL=0.0050		ug/g	
		Fluoranthene	2012/10/18	ND, RDL=0.0050		ug/g	
		Fluorene	2012/10/18	ND, RDL=0.0050		ug/g	
		Indeno(1,2,3-cd)pyrene	2012/10/18	ND, RDL=0.0050		ug/g	
		1-Methylnaphthalene	2012/10/18	ND, RDL=0.0050		ug/g	
		2-Methylnaphthalene	2012/10/18	ND, RDL=0.0050		ug/g	
		Naphthalene	2012/10/18	ND, RDL=0.0050		ug/g	
		Phenanthrene	2012/10/18	ND, RDL=0.0050		ug/g	
		Pyrene	2012/10/18	ND, RDL=0.0050		ug/g	
	RPD	Acenaphthene	2012/10/18	NC		%	40
		Acenaphthylene	2012/10/18	NC		%	40
		Anthracene	2012/10/18	NC		%	40
		Fluoranthene	2012/10/18	NC		%	40
		Fluorene	2012/10/18	NC		%	40
		1-Methylnaphthalene	2012/10/18	NC		%	40
		2-Methylnaphthalene	2012/10/18	NC		%	40
		Naphthalene	2012/10/18	NC		%	40
		Phenanthrene	2012/10/18	NC		%	40
3005436 THT	RPD	Moisture	2012/10/17	3.6		%	20
3005517 RGA	Matrix Spike	o-Terphenyl	2012/10/18		89	%	50 - 130
		F2 (C10-C16 Hydrocarbons)	2012/10/18		95	%	50 - 130
		F3 (C16-C34 Hydrocarbons)	2012/10/18		NC	%	50 - 130
		F4 (C34-C50 Hydrocarbons)	2012/10/18		105	%	50 - 130
	Spiked Blank	o-Terphenyl	2012/10/18		89	%	50 - 130
		F2 (C10-C16 Hydrocarbons)	2012/10/18		93	%	70 - 130
		F3 (C16-C34 Hydrocarbons)	2012/10/18		94	%	70 - 130
		F4 (C34-C50 Hydrocarbons)	2012/10/18		101	%	70 - 130
	Method Blank	o-Terphenyl	2012/10/18		93	%	50 - 130
		F2 (C10-C16 Hydrocarbons)	2012/10/18	ND, RDL=10		ug/g	
		F3 (C16-C34 Hydrocarbons)	2012/10/18	ND, RDL=10		ug/g	
		F4 (C34-C50 Hydrocarbons)	2012/10/18	ND, RDL=10		ug/g	
	RPD	F2 (C10-C16 Hydrocarbons)	2012/10/18	NC		%	30
		F3 (C16-C34 Hydrocarbons)	2012/10/18	25.3		%	30
		F4 (C34-C50 Hydrocarbons)	2012/10/18	8.7		%	30
3005729 JBW	Matrix Spike	Acid Extractable Antimony (Sb)	2012/10/18		99	%	75 - 125
		Acid Extractable Arsenic (As)	2012/10/18		105	%	75 - 125
		Acid Extractable Barium (Ba)	2012/10/18		91	%	75 - 125
		Acid Extractable Beryllium (Be)	2012/10/18		100	%	75 - 125
		Acid Extractable Boron (B)	2012/10/18		93	%	75 - 125
		Acid Extractable Cadmium (Cd)	2012/10/18		102	%	75 - 125
		Acid Extractable Chromium (Cr)	2012/10/18		99	%	75 - 125
		Acid Extractable Cobalt (Co)	2012/10/18		99	%	75 - 125
		Acid Extractable Copper (Cu)	2012/10/18		92	%	75 - 125
		Acid Extractable Lead (Pb)	2012/10/18		100	%	75 - 125
		Acid Extractable Molybdenum (Mo)	2012/10/18		103	%	75 - 125
		Acid Extractable Nickel (Ni)	2012/10/18		98	%	75 - 125
		Acid Extractable Selenium (Se)	2012/10/18		103	%	75 - 125
		Acid Extractable Silver (Ag)	2012/10/18		99	%	75 - 125
		Acid Extractable Thallium (Tl)	2012/10/18		92	%	75 - 125
		Acid Extractable Uranium (U)	2012/10/18		110	%	75 - 125

R J Burnside & Associates Ltd
Attention: Max McCormick
Client Project #: 300031699
P.O. #:
Site Location: ORANGEVILLE HYDRO

Quality Assurance Report (Continued)

Maxxam Job Number: MB2G1414

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
3005729 JBW	Matrix Spike	Acid Extractable Vanadium (V)	2012/10/18		108	%	75 - 125
		Acid Extractable Zinc (Zn)	2012/10/18		NC	%	75 - 125
		Acid Extractable Mercury (Hg)	2012/10/18		106	%	75 - 125
	Spiked Blank	Acid Extractable Antimony (Sb)	2012/10/18		95	%	80 - 120
		Acid Extractable Arsenic (As)	2012/10/18		105	%	80 - 120
		Acid Extractable Barium (Ba)	2012/10/18		99	%	80 - 120
		Acid Extractable Beryllium (Be)	2012/10/18		99	%	80 - 120
		Acid Extractable Boron (B)	2012/10/18		95	%	80 - 120
		Acid Extractable Cadmium (Cd)	2012/10/18		101	%	80 - 120
		Acid Extractable Chromium (Cr)	2012/10/18		102	%	80 - 120
		Acid Extractable Cobalt (Co)	2012/10/18		101	%	80 - 120
		Acid Extractable Copper (Cu)	2012/10/18		101	%	80 - 120
		Acid Extractable Lead (Pb)	2012/10/18		102	%	80 - 120
		Acid Extractable Molybdenum (Mo)	2012/10/18		101	%	80 - 120
		Acid Extractable Nickel (Ni)	2012/10/18		102	%	80 - 120
		Acid Extractable Selenium (Se)	2012/10/18		104	%	80 - 120
		Acid Extractable Silver (Ag)	2012/10/18		100	%	80 - 120
		Acid Extractable Thallium (Tl)	2012/10/18		92	%	80 - 120
		Acid Extractable Uranium (U)	2012/10/18		108	%	80 - 120
		Acid Extractable Vanadium (V)	2012/10/18		108	%	80 - 120
		Acid Extractable Zinc (Zn)	2012/10/18		106	%	80 - 120
		Acid Extractable Mercury (Hg)	2012/10/18		103	%	80 - 120
	Method Blank	Acid Extractable Antimony (Sb)	2012/10/18	ND, RDL=0.20		ug/g	
		Acid Extractable Arsenic (As)	2012/10/18	ND, RDL=1.0		ug/g	
		Acid Extractable Barium (Ba)	2012/10/18	ND, RDL=0.50		ug/g	
		Acid Extractable Beryllium (Be)	2012/10/18	ND, RDL=0.20		ug/g	
		Acid Extractable Boron (B)	2012/10/18	ND, RDL=5.0		ug/g	
		Acid Extractable Cadmium (Cd)	2012/10/18	ND, RDL=0.10		ug/g	
		Acid Extractable Chromium (Cr)	2012/10/18	ND, RDL=1.0		ug/g	
		Acid Extractable Cobalt (Co)	2012/10/18	ND, RDL=0.10		ug/g	
		Acid Extractable Copper (Cu)	2012/10/18	ND, RDL=0.50		ug/g	
		Acid Extractable Lead (Pb)	2012/10/18	ND, RDL=1.0		ug/g	
		Acid Extractable Molybdenum (Mo)	2012/10/18	ND, RDL=0.50		ug/g	
		Acid Extractable Nickel (Ni)	2012/10/18	ND, RDL=0.50		ug/g	
		Acid Extractable Selenium (Se)	2012/10/18	ND, RDL=0.50		ug/g	
		Acid Extractable Silver (Ag)	2012/10/18	ND, RDL=0.20		ug/g	
		Acid Extractable Thallium (Tl)	2012/10/18	ND, RDL=0.050		ug/g	
		Acid Extractable Uranium (U)	2012/10/18	ND, RDL=0.050		ug/g	
		Acid Extractable Vanadium (V)	2012/10/18	ND, RDL=5.0		ug/g	
		Acid Extractable Zinc (Zn)	2012/10/18	ND, RDL=5.0		ug/g	
		Acid Extractable Mercury (Hg)	2012/10/18	ND, RDL=0.050		ug/g	
	RPD	Acid Extractable Antimony (Sb)	2012/10/18	NC		%	30
		Acid Extractable Arsenic (As)	2012/10/18	NC		%	30
		Acid Extractable Barium (Ba)	2012/10/18	2.5		%	30
		Acid Extractable Beryllium (Be)	2012/10/18	NC		%	30
		Acid Extractable Boron (B)	2012/10/18	NC		%	30
		Acid Extractable Cadmium (Cd)	2012/10/18	NC		%	30
		Acid Extractable Chromium (Cr)	2012/10/18	NC		%	30
		Acid Extractable Cobalt (Co)	2012/10/18	6.6		%	30
		Acid Extractable Copper (Cu)	2012/10/18	11.6		%	30
		Acid Extractable Lead (Pb)	2012/10/18	4.2		%	30
		Acid Extractable Molybdenum (Mo)	2012/10/18	NC		%	30
		Acid Extractable Nickel (Ni)	2012/10/18	6.7		%	30
		Acid Extractable Selenium (Se)	2012/10/18	NC		%	30
		Acid Extractable Silver (Ag)	2012/10/18	NC		%	30

R J Burnside & Associates Ltd
Attention: Max McCormick
Client Project #: 300031699
P.O. #:
Site Location: ORANGEVILLE HYDRO

Quality Assurance Report (Continued)

Maxxam Job Number: MB2G1414

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
3005729 JBW	RPD	Acid Extractable Thallium (Tl)	2012/10/18	NC		%	30
		Acid Extractable Uranium (U)	2012/10/18	14.7		%	30
		Acid Extractable Vanadium (V)	2012/10/18	NC		%	30
		Acid Extractable Zinc (Zn)	2012/10/18	1.1		%	30
		Acid Extractable Mercury (Hg)	2012/10/18	NC		%	30
3005732 LHA	Matrix Spike						
	[PG0720-01]	Free Cyanide	2012/10/18		95	%	75 - 125
	Spiked Blank	Free Cyanide	2012/10/18		104	%	80 - 120
	Method Blank	Free Cyanide	2012/10/18	ND, RDL=0.01		ug/g	
3005752 AFZ	RPD [PG0720-01]	Free Cyanide	2012/10/18	NC		%	35
	Spiked Blank	Hot Water Ext. Boron (B)	2012/10/18		94	%	75 - 125
	Method Blank	Hot Water Ext. Boron (B)	2012/10/18	ND, RDL=0.050		ug/g	
3005772 NYS	QC Standard	Conductivity	2012/10/18		99	%	90 - 110
	Method Blank	Conductivity	2012/10/18	ND, RDL=0.002		mS/cm	
	RPD [PG0720-01]	Conductivity	2012/10/18	1.5		%	10

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.

Spiked Blank: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was not sufficiently significant to permit a reliable recovery calculation.

NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.

(1) The matrix spike recovery was below the lower control limit. This may be due in part to the reducing environment of the sample.

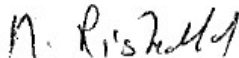
Validation Signature Page

Maxxam Job #: B2G1414

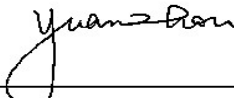
The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Ewa Pranjic, M.Sc., C.Chem, Scientific Specialist



Medhat Riskallah, Manager, Hydrocarbon Department



Yuan Zhou, gc/ms Technician

=====

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Your Project #: 300031699
 Site Location: ORANGEVILLE HYDRO
 Your C.O.C. #: 37795201, 377952-01-01

Attention: Max McCormick
 R J Burnside & Associates Ltd
 292 Speedvale Ave W
 Unit 7
 Guelph, ON
 N1H 1C4

Report Date: 2012/10/17

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B2F9973
Received: 2012/10/16, 09:10

Sample Matrix: Soil
 # Samples Received: 7

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Method Reference
Methylnaphthalene Sum	7	N/A	2012/10/17	CAM SOP - 00301	EPA 8270
Hot Water Extractable Boron	7	2012/10/17	2012/10/17	CAM SOP-00408	R153 Ana. Prot. 2011
Free (WAD) Cyanide	7	N/A	2012/10/17	CAM SOP-00457	Ontario MOE CN-E3015
Conductivity	7	N/A	2012/10/17	CAM SOP-00414	APHA 2510
Hexavalent Chromium in Soil by IC (1)	7	2012/10/16	2012/10/17	CAM SOP-00436	EPA SW846-3060/7199
Petroleum Hydrocarbons F2-F4 in Soil	7	2012/10/16	2012/10/17	CAM SOP-00316	CCME CWS
Acid Extr. Metals (aqua regia) by ICPMS	7	2012/10/17	2012/10/17	CAM SOP-00447	EPA 6020
Moisture	7	N/A	2012/10/16	CAM SOP-00445	R.Carter,1993
PAH Compounds in Soil by GC/MS (SIM)	7	2012/10/16	2012/10/17	CAM SOP - 00318	EPA 8270
pH CaCl2 EXTRACT	7	2012/10/17	2012/10/17	CAM SOP-00413	SM 4500H+ B
Sodium Adsorption Ratio (SAR)	7	2012/10/16	2012/10/17	CAM SOP-00102	EPA 6010

Remarks:

Maxxam Analytics has performed all analytical testing herein in accordance with ISO 17025 and the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act. All methodologies comply with this document and are validated for use in the laboratory. The methods and techniques employed in this analysis conform to the performance criteria (detection limits, accuracy and precision) as outlined in the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act. Reporting results to two significant figures at the RDL is to permit statistical evaluation and is not intended to be an indication of analytical precision.

The CWS PHC methods employed by Maxxam conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following the 'Alberta Environment Draft Addenda to the CWS-PHC, Appendix 6, Validation of Alternate Methods'. Documentation is available upon request. Maxxam has made the following improvements to the CWS-PHC reference benchmark method: (i) Headspace for F1; and, (ii) Mechanical extraction for F2-F4. Note: F4G cannot be added to the C6 to C50 hydrocarbons. The extraction date for samples field preserved with methanol for F1 and Volatile Organic Compounds is considered to be the date sampled.

Maxxam Analytics is accredited by SCC (Lab ID 97) for all specific parameters as required by Ontario Regulation 153/04. Maxxam Analytics is limited in liability to the actual cost of analysis unless otherwise agreed in writing. There is no other warranty expressed or implied. Samples will be retained at Maxxam Analytics for three weeks from receipt of data or as per contract.

- * RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
- * Results relate only to the items tested.

(1) Soils are reported on a dry weight basis unless otherwise specified.

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Maxxam Job #: B2F9973
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

-2-

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Heather Jasumani, Campobello Customer Service
Email: Heather.Jasumani@maxxamanalytics.com
Phone# (905) 817-5700

=====

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Total cover pages: 2

Maxxam Job #: B2F9973
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

RESULTS OF ANALYSES OF SOIL

Maxxam ID			PF2884	PF2885	PF2886	PF2887	PF2888	PF2889	PF2890		
Sampling Date			2012/10/15	2012/10/15	2012/10/15	2012/10/15	2012/10/15	2012/10/15	2012/10/15		
	Units	Criteria A	FL4	FL5	FL6	FL7	FL8	DUP	WW2	RDL	QC Batch
Calculated Parameters											
Sodium Adsorption Ratio	N/A	5.0	0.43	3.7	1.0	2.3	0.25	3.7	0.27		3002777
Inorganics											
Chromium (VI)	ug/g	0.66	ND	ND	ND	ND	ND	ND	ND	0.2	3003239
Conductivity	mS/cm	0.7	0.15	0.22	0.23	0.30	0.14	0.20	0.15	0.002	3004421
Free Cyanide	ug/g	0.051	ND	ND	ND	ND	ND	ND	ND	0.01	3003734
Moisture	%		21	25	18	16	20	26	20	1.0	3003075
Available (CaCl2) pH	pH		7.40	7.33	7.38	7.40	7.33	7.29	7.40		3004471

N/A = Not Applicable

ND = Not detected

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Criteria A: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2F9973
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Maxxam ID			PF2884	PF2885	PF2886		
Sampling Date			2012/10/15	2012/10/15	2012/10/15		
	Units	Criteria A	FL4	FL5	FL6	RDL	QC Batch
Metals							
Hot Water Ext. Boron (B)	ug/g	1.5	0.29	0.44	0.26	0.050	3004147
Acid Extractable Antimony (Sb)	ug/g	1.3	1.5	1.7	3.3	0.20	3004124
Acid Extractable Arsenic (As)	ug/g	18	320	330	620	10	3004124
Acid Extractable Barium (Ba)	ug/g	220	45	42	56	0.50	3004124
Acid Extractable Beryllium (Be)	ug/g	2.5	0.25	0.24	0.37	0.20	3004124
Acid Extractable Boron (B)	ug/g	36	ND	ND	ND	5.0	3004124
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.21	0.13	0.18	0.10	3004124
Acid Extractable Chromium (Cr)	ug/g	70	18	9.8	14	1.0	3004124
Acid Extractable Cobalt (Co)	ug/g	22	3.6	2.8	4.3	0.10	3004124
Acid Extractable Copper (Cu)	ug/g	92	11	9.7	15	0.50	3004124
Acid Extractable Lead (Pb)	ug/g	120	23	20	62	1.0	3004124
Acid Extractable Molybdenum (Mo)	ug/g	2	0.59	ND	ND	0.50	3004124
Acid Extractable Nickel (Ni)	ug/g	82	5.6	4.5	6.6	0.50	3004124
Acid Extractable Selenium (Se)	ug/g	1.5	ND	ND	ND	0.50	3004124
Acid Extractable Silver (Ag)	ug/g	0.5	ND	ND	ND	0.20	3004124
Acid Extractable Thallium (Tl)	ug/g	1	0.070	0.052	0.073	0.050	3004124
Acid Extractable Uranium (U)	ug/g	2.5	0.28	0.23	0.35	0.050	3004124
Acid Extractable Vanadium (V)	ug/g	86	21	21	27	5.0	3004124
Acid Extractable Zinc (Zn)	ug/g	290	180	51	110	5.0	3004124
Acid Extractable Mercury (Hg)	ug/g	0.27	0.12	0.12	0.32	0.050	3004124

ND = Not detected

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Criteria A: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2F9973
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Maxxam ID			PF2887		PF2888	PF2889	PF2890		
Sampling Date			2012/10/15		2012/10/15	2012/10/15	2012/10/15		
	Units	Criteria A	FL7	RDL	FL8	DUP	WW2	RDL	QC Batch
Metals									
Hot Water Ext. Boron (B)	ug/g	1.5	0.35	0.050	0.38	0.40	0.29	0.050	3004147
Acid Extractable Antimony (Sb)	ug/g	1.3	1.2	0.20	2.0	1.5	2.6	0.20	3004124
Acid Extractable Arsenic (As)	ug/g	18	160	1.0	320	290	410	10	3004124
Acid Extractable Barium (Ba)	ug/g	220	22	0.50	33	34	53	0.50	3004124
Acid Extractable Beryllium (Be)	ug/g	2.5	ND	0.20	ND	0.25	0.25	0.20	3004124
Acid Extractable Boron (B)	ug/g	36	ND	5.0	ND	ND	ND	5.0	3004124
Acid Extractable Cadmium (Cd)	ug/g	1.2	ND	0.10	0.14	0.14	0.40	0.10	3004124
Acid Extractable Chromium (Cr)	ug/g	70	7.8	1.0	6.9	9.9	9.9	1.0	3004124
Acid Extractable Cobalt (Co)	ug/g	22	2.2	0.10	2.0	2.7	3.3	0.10	3004124
Acid Extractable Copper (Cu)	ug/g	92	10	0.50	8.4	8.1	17	0.50	3004124
Acid Extractable Lead (Pb)	ug/g	120	23	1.0	19	13	80	1.0	3004124
Acid Extractable Molybdenum (Mo)	ug/g	2	ND	0.50	ND	ND	ND	0.50	3004124
Acid Extractable Nickel (Ni)	ug/g	82	3.9	0.50	3.1	4.1	6.0	0.50	3004124
Acid Extractable Selenium (Se)	ug/g	1.5	ND	0.50	ND	ND	ND	0.50	3004124
Acid Extractable Silver (Ag)	ug/g	0.5	ND	0.20	ND	ND	ND	0.20	3004124
Acid Extractable Thallium (Tl)	ug/g	1	ND	0.050	ND	ND	0.084	0.050	3004124
Acid Extractable Uranium (U)	ug/g	2.5	0.25	0.050	0.22	0.23	0.27	0.050	3004124
Acid Extractable Vanadium (V)	ug/g	86	18	5.0	18	21	21	5.0	3004124
Acid Extractable Zinc (Zn)	ug/g	290	47	5.0	55	48	240	5.0	3004124
Acid Extractable Mercury (Hg)	ug/g	0.27	0.054	0.050	0.090	0.087	0.31	0.050	3004124

ND = Not detected

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Criteria A: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2F9973
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

SEMI-VOLATILE ORGANICS BY GC-MS (SOIL)

Maxxam ID			PF2884	PF2885	PF2886	PF2887	PF2888	PF2889		PF2890		
Sampling Date			2012/10/15	2012/10/15	2012/10/15	2012/10/15	2012/10/15	2012/10/15		2012/10/15		
	Units	Criteria A	FL4	FL5	FL6	FL7	FL8	DUP	RDL	WW2	RDL	QC Batch
Calculated Parameters												
Methylnaphthalene, 2-(1-)	ug/g		0.45	0.012	0.045	0.032	0.011	0.017	0.0071	0.14	0.071	3002775
Polyaromatic Hydrocarbons												
Acenaphthene	ug/g	0.072	0.56	0.024	0.087	0.097	0.0068	0.043	0.0050	0.12	0.050	3003631
Acenaphthylene	ug/g	0.093	0.021	0.026	0.065	0.18	0.020	0.016	0.0050	0.70	0.050	3003631
Anthracene	ug/g	0.22	0.46	0.066	0.36	0.46	0.026	0.13	0.0050	0.92	0.050	3003631
Benzo(a)anthracene	ug/g	0.36	0.91	0.20	1.2	1.5	0.086	0.25	0.0050	3.5	0.050	3003631
Benzo(a)pyrene	ug/g	0.3	0.84	0.16	1.0	1.2	0.083	0.17	0.0050	2.7	0.050	3003631
Benzo(b/j)fluoranthene	ug/g	0.47	0.81	0.17	0.89	0.94	0.10	0.17	0.0050	3.2	0.050	3003631
Benzo(g,h,i)perylene	ug/g	0.68	0.38	0.089	0.40	0.51	0.048	0.082	0.0050	1.6	0.050	3003631
Benzo(k)fluoranthene	ug/g	0.48	0.27	0.069	0.32	0.37	0.036	0.065	0.0050	1.2	0.050	3003631
Chrysene	ug/g	2.8	0.93	0.21	1.1	1.4	0.12	0.23	0.0050	3.0	0.050	3003631
Dibenz(a,h)anthracene	ug/g	0.1	0.076	0.020	0.12	0.13	0.010	0.020	0.0050	0.36	0.050	3003631
Fluoranthene	ug/g	0.69	2.1	0.46	1.6	2.6	0.25	0.57	0.0050	9.1	0.050	3003631
Fluorene	ug/g	0.19	0.41	0.027	0.11	0.12	0.0086	0.050	0.0050	0.33	0.050	3003631
Indeno(1,2,3-cd)pyrene	ug/g	0.23	0.39	0.094	0.49	0.60	0.053	0.093	0.0050	1.8	0.050	3003631
1-Methylnaphthalene	ug/g	0.59	0.17	0.0063	0.019	0.018	0.0055	0.0084	0.0050	0.072	0.050	3003631
2-Methylnaphthalene	ug/g	0.59	0.28	0.0059	0.026	0.014	0.0051	0.0090	0.0050	0.068	0.050	3003631
Naphthalene	ug/g	0.09	0.96	0.0074	0.051	0.015	0.0054	0.014	0.0050	0.086	0.050	3003631
Phenanthrene	ug/g	0.69	2.4	0.26	1.2	1.8	0.16	0.47	0.0050	5.0	0.050	3003631
Pyrene	ug/g	1	2.3	0.41	1.9	2.3	0.22	0.49	0.0050	7.8	0.050	3003631
Surrogate Recovery (%)												
D10-Anthracene	%		89	86	99	100	89	90		93		3003631
D14-Terphenyl (FS)	%		94	90	106	109	89	92		89		3003631
D8-Acenaphthylene	%		79	79	94	91	86	86		85		3003631

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Criteria A: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2F9973
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

PETROLEUM HYDROCARBONS (CCME)

Maxxam ID			PF2884	PF2885	PF2886	PF2887	PF2888	PF2889	PF2890		
Sampling Date			2012/10/15	2012/10/15	2012/10/15	2012/10/15	2012/10/15	2012/10/15	2012/10/15		
	Units	Criteria A	FL4	FL5	FL6	FL7	FL8	DUP	WW2	RDL	QC Batch
F2-F4 Hydrocarbons											
F2 (C10-C16 Hydrocarbons)	ug/g	10	ND	ND	ND	ND	ND	28	11	10	3003482
F3 (C16-C34 Hydrocarbons)	ug/g	240	27	21	48	45	26	190	150	10	3003482
F4 (C34-C50 Hydrocarbons)	ug/g	120	ND	ND	ND	ND	ND	ND	20	10	3003482
Reached Baseline at C50	ug/g		YES	YES	YES	YES	YES	YES	YES		3003482
Surrogate Recovery (%)											
o-Terphenyl	%		76	75	76	76	76	85	77		3003482

ND = Not detected

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Criteria A: Ontario Reg. 153/04 (Amended April 15, 2011)

Table 8: Generic Site Condition Standards for Use within 30 m of a Water Body in a Potable Groundwater Condition

Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

Maxxam Job #: B2F9973
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

Test Summary

Maxxam ID PF2884
Sample ID FL4
Matrix Soil

Collected 2012/10/15
Shipped
Received 2012/10/16

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	3002775	N/A	2012/10/17	Automated Statchk
Hot Water Extractable Boron	ICP	3004147	2012/10/17	2012/10/17	Azita Fazaeli
Free (WAD) Cyanide	TECH	3003734	N/A	2012/10/17	Louise Harding
Conductivity	COND	3004421	N/A	2012/10/17	Neil Dassanayake
Hexavalent Chromium in Soil by IC	IC/SPEC	3003239	2012/10/16	2012/10/17	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3003482	2012/10/16	2012/10/17	Barbara Wowk
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3004124	2012/10/17	2012/10/17	John Bowman
Moisture	BAL	3003075	N/A	2012/10/16	Valentina Kaftani
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	3003631	2012/10/16	2012/10/17	Darryl Tiller
pH CaCl2 EXTRACT		3004471	2012/10/17	2012/10/17	Xuanhong Qiu
Sodium Adsorption Ratio (SAR)	CALC/MET	3002777	2012/10/17	2012/10/17	Automated Statchk

Maxxam ID PF2885
Sample ID FL5
Matrix Soil

Collected 2012/10/15
Shipped
Received 2012/10/16

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	3002775	N/A	2012/10/17	Automated Statchk
Hot Water Extractable Boron	ICP	3004147	2012/10/17	2012/10/17	Azita Fazaeli
Free (WAD) Cyanide	TECH	3003734	N/A	2012/10/17	Louise Harding
Conductivity	COND	3004421	N/A	2012/10/17	Neil Dassanayake
Hexavalent Chromium in Soil by IC	IC/SPEC	3003239	2012/10/16	2012/10/17	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3003482	2012/10/16	2012/10/17	Barbara Wowk
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3004124	2012/10/17	2012/10/17	John Bowman
Moisture	BAL	3003075	N/A	2012/10/16	Valentina Kaftani
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	3003631	2012/10/16	2012/10/17	Darryl Tiller
pH CaCl2 EXTRACT		3004471	2012/10/17	2012/10/17	Xuanhong Qiu
Sodium Adsorption Ratio (SAR)	CALC/MET	3002777	2012/10/17	2012/10/17	Automated Statchk

Maxxam Job #: B2F9973
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

Test Summary

Maxxam ID PF2886
Sample ID FL6
Matrix Soil

Collected 2012/10/15
Shipped
Received 2012/10/16

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	3002775	N/A	2012/10/17	Automated Statchk
Hot Water Extractable Boron	ICP	3004147	2012/10/17	2012/10/17	Azita Fazaeli
Free (WAD) Cyanide	TECH	3003734	N/A	2012/10/17	Louise Harding
Conductivity	COND	3004421	N/A	2012/10/17	Neil Dassanayake
Hexavalent Chromium in Soil by IC	IC/SPEC	3003239	2012/10/16	2012/10/17	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3003482	2012/10/16	2012/10/17	Barbara Wowk
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3004124	2012/10/17	2012/10/17	John Bowman
Moisture	BAL	3003075	N/A	2012/10/16	Valentina Kaftani
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	3003631	2012/10/16	2012/10/17	Darryl Tiller
pH CaCl2 EXTRACT		3004471	2012/10/17	2012/10/17	Xuanhong Qiu
Sodium Adsorption Ratio (SAR)	CALC/MET	3002777	2012/10/17	2012/10/17	Automated Statchk

Maxxam ID PF2887
Sample ID FL7
Matrix Soil

Collected 2012/10/15
Shipped
Received 2012/10/16

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	3002775	N/A	2012/10/17	Automated Statchk
Hot Water Extractable Boron	ICP	3004147	2012/10/17	2012/10/17	Azita Fazaeli
Free (WAD) Cyanide	TECH	3003734	N/A	2012/10/17	Louise Harding
Conductivity	COND	3004421	N/A	2012/10/17	Neil Dassanayake
Hexavalent Chromium in Soil by IC	IC/SPEC	3003239	2012/10/16	2012/10/17	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3003482	2012/10/16	2012/10/17	Barbara Wowk
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3004124	2012/10/17	2012/10/17	John Bowman
Moisture	BAL	3003075	N/A	2012/10/16	Valentina Kaftani
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	3003631	2012/10/16	2012/10/17	Darryl Tiller
pH CaCl2 EXTRACT		3004471	2012/10/17	2012/10/17	Xuanhong Qiu
Sodium Adsorption Ratio (SAR)	CALC/MET	3002777	2012/10/17	2012/10/17	Automated Statchk

Maxxam Job #: B2F9973
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

Test Summary

Maxxam ID PF2887 Dup
Sample ID FL7
Matrix Soil

Collected 2012/10/15
Shipped
Received 2012/10/16

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Free (WAD) Cyanide	TECH	3003734	N/A	2012/10/17	Louise Harding
pH CaCl2 EXTRACT		3004471	2012/10/17	2012/10/17	Xuanhong Qiu

Maxxam ID PF2888
Sample ID FL8
Matrix Soil

Collected 2012/10/15
Shipped
Received 2012/10/16

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	3002775	N/A	2012/10/17	Automated Statchk
Hot Water Extractable Boron	ICP	3004147	2012/10/17	2012/10/17	Azita Fazaeli
Free (WAD) Cyanide	TECH	3003734	N/A	2012/10/17	Louise Harding
Conductivity	COND	3004421	N/A	2012/10/17	Neil Dassanayake
Hexavalent Chromium in Soil by IC	IC/SPEC	3003239	2012/10/16	2012/10/17	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3003482	2012/10/16	2012/10/17	Barbara Wowk
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3004124	2012/10/17	2012/10/17	John Bowman
Moisture	BAL	3003075	N/A	2012/10/16	Valentina Kaftani
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	3003631	2012/10/16	2012/10/17	Darryl Tiller
pH CaCl2 EXTRACT		3004471	2012/10/17	2012/10/17	Xuanhong Qiu
Sodium Adsorption Ratio (SAR)	CALC/MET	3002777	2012/10/17	2012/10/17	Automated Statchk

Maxxam ID PF2889
Sample ID DUP
Matrix Soil

Collected 2012/10/15
Shipped
Received 2012/10/16

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	3002775	N/A	2012/10/17	Automated Statchk
Hot Water Extractable Boron	ICP	3004147	2012/10/17	2012/10/17	Azita Fazaeli
Free (WAD) Cyanide	TECH	3003734	N/A	2012/10/17	Louise Harding
Conductivity	COND	3004421	N/A	2012/10/17	Neil Dassanayake
Hexavalent Chromium in Soil by IC	IC/SPEC	3003239	2012/10/16	2012/10/17	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3003482	2012/10/16	2012/10/17	Barbara Wowk
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3004124	2012/10/17	2012/10/17	John Bowman

Maxxam Job #: B2F9973
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

Test Summary

Moisture	BAL	3003075	N/A	2012/10/16	Valentina Kaftani
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	3003631	2012/10/16	2012/10/17	Darryl Tiller
pH CaCl2 EXTRACT		3004471	2012/10/17	2012/10/17	Xuanhong Qiu
Sodium Adsorption Ratio (SAR)	CALC/MET	3002777	2012/10/17	2012/10/17	Automated Statchk

Maxxam ID PF2890
Sample ID WW2
Matrix Soil

Collected 2012/10/15
Shipped
Received 2012/10/16

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Methylnaphthalene Sum	CALC	3002775	N/A	2012/10/17	Automated Statchk
Hot Water Extractable Boron	ICP	3004147	2012/10/17	2012/10/17	Azita Fazaali
Free (WAD) Cyanide	TECH	3003734	N/A	2012/10/17	Louise Harding
Conductivity	COND	3004421	N/A	2012/10/17	Neil Dassanayake
Hexavalent Chromium in Soil by IC	IC/SPEC	3003239	2012/10/16	2012/10/17	Sally Coughlin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	3003482	2012/10/16	2012/10/17	Barbara Wowk
Acid Extr. Metals (aqua regia) by ICPMS	ICP/MS	3004124	2012/10/17	2012/10/17	John Bowman
Moisture	BAL	3003075	N/A	2012/10/16	Valentina Kaftani
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	3003631	2012/10/16	2012/10/17	Darryl Tiller
pH CaCl2 EXTRACT		3004471	2012/10/17	2012/10/17	Xuanhong Qiu
Sodium Adsorption Ratio (SAR)	CALC/MET	3002777	2012/10/17	2012/10/17	Automated Statchk

Maxxam ID PF2890 Dup
Sample ID WW2
Matrix Soil

Collected 2012/10/15
Shipped
Received 2012/10/16

Test Description	Instrumentation	Batch	Extracted	Analyzed	Analyst
Moisture	BAL	3003075	N/A	2012/10/16	Valentina Kaftani

Maxxam Job #: B2F9973
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

GENERAL COMMENTS

Sample PF2888-01: SAR Analysis: Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

Sample PF2890-01: PAH Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly. SAR Analysis: Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

Maxxam Job #: B2F9973
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

QUALITY ASSURANCE REPORT

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	Units	Value (%)	QC Limits	% Recovery	QC Limits
3002775	Methylnaphthalene, 2-(1-)	2012/10/17							NC	N/A		
3003075	Moisture	2012/10/16							6.8	20		
3003239	Chromium (VI)	2012/10/17	92	75 - 125	104	80 - 120	ND, RDL=0.2	ug/g	NC	35	122	75 - 125
3003482	o-Terphenyl	2012/10/17	73	50 - 130	69	50 - 130	77	%				
3003482	F2 (C10-C16 Hydrocarbons)	2012/10/17	82	50 - 130	89	70 - 130	ND, RDL=10	ug/g	NC	30		
3003482	F3 (C16-C34 Hydrocarbons)	2012/10/17	96	50 - 130	100	70 - 130	ND, RDL=10	ug/g	NC	30		
3003482	F4 (C34-C50 Hydrocarbons)	2012/10/17	94	50 - 130	94	70 - 130	ND, RDL=10	ug/g	NC	30		
3003631	D10-Anthracene	2012/10/17	92	50 - 130	92	50 - 130	95	%				
3003631	D14-Terphenyl (FS)	2012/10/17	91	50 - 130	93	50 - 130	92	%				
3003631	D8-Acenaphthylene	2012/10/17	97	50 - 130	87	50 - 130	89	%				
3003631	Acenaphthene	2012/10/17	87	50 - 130	91	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	Acenaphthylene	2012/10/17	101	50 - 130	90	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	Anthracene	2012/10/17	95	50 - 130	95	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	Benzo(a)anthracene	2012/10/17	90	50 - 130	88	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	Benzo(a)pyrene	2012/10/17	88	50 - 130	89	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	Benzo(b)fluoranthene	2012/10/17	71	50 - 130	76	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	Benzo(g,h,i)perylene	2012/10/17	76	50 - 130	87	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	Benzo(k)fluoranthene	2012/10/17	79	50 - 130	76	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	Chrysene	2012/10/17	98	50 - 130	105	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	Dibenz(a,h)anthracene	2012/10/17	81	50 - 130	88	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	Fluoranthene	2012/10/17	95	50 - 130	97	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	Fluorene	2012/10/17	91	50 - 130	85	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	Indeno(1,2,3-cd)pyrene	2012/10/17	79	50 - 130	84	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	1-Methylnaphthalene	2012/10/17	80	50 - 130	85	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	2-Methylnaphthalene	2012/10/17	78	50 - 130	83	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	Naphthalene	2012/10/17	77	50 - 130	84	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	Phenanthrene	2012/10/17	88	50 - 130	93	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003631	Pyrene	2012/10/17	98	50 - 130	101	50 - 130	ND, RDL=0.0050	ug/g	NC	40		
3003734	Free Cyanide	2012/10/17	92	75 - 125	103	80 - 120	ND, RDL=0.01	ug/g	NC	35		
3004124	Acid Extractable Antimony (Sb)	2012/10/17	83	75 - 125	92	80 - 120	ND, RDL=0.20	ug/g	NC	30		
3004124	Acid Extractable Arsenic (As)	2012/10/17	100	75 - 125	102	80 - 120	ND, RDL=1.0	ug/g	NC	30		
3004124	Acid Extractable Barium (Ba)	2012/10/17	94	75 - 125	97	80 - 120	ND, RDL=0.50	ug/g	NC	30		
3004124	Acid Extractable Beryllium (Be)	2012/10/17	92	75 - 125	97	80 - 120	ND, RDL=0.20	ug/g	NC	30		
3004124	Acid Extractable Boron (B)	2012/10/17	91	75 - 125	98	80 - 120	ND, RDL=5.0	ug/g	NC	30		
3004124	Acid Extractable Cadmium (Cd)	2012/10/17	94	75 - 125	97	80 - 120	ND, RDL=0.10	ug/g	1.6	30		
3004124	Acid Extractable Chromium (Cr)	2012/10/17	102	75 - 125	105	80 - 120	ND, RDL=1.0	ug/g	NC	30		
3004124	Acid Extractable Cobalt (Co)	2012/10/17	96	75 - 125	103	80 - 120	ND, RDL=0.10	ug/g	4.7	30		
3004124	Acid Extractable Copper (Cu)	2012/10/17	92	75 - 125	100	80 - 120	ND, RDL=0.50	ug/g	NC	30		
3004124	Acid Extractable Lead (Pb)	2012/10/17	NC	75 - 125	99	80 - 120	ND, RDL=1.0	ug/g	5.6	30		
3004124	Acid Extractable Molybdenum (Mo)	2012/10/17	97	75 - 125	97	80 - 120	ND, RDL=0.50	ug/g	NC	30		

Maxxam Job #: B2F9973
Report Date: 2012/10/17

R J Burnside & Associates Ltd
Client Project #: 300031699
Site Location: ORANGEVILLE HYDRO

QUALITY ASSURANCE REPORT

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD		QC Standard	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	Units	Value (%)	QC Limits	% Recovery	QC Limits
3004124	Acid Extractable Nickel (Ni)	2012/10/17	97	75 - 125	103	80 - 120	ND, RDL=0.50	ug/g	NC	30		
3004124	Acid Extractable Selenium (Se)	2012/10/17	97	75 - 125	99	80 - 120	ND, RDL=0.50	ug/g	NC	30		
3004124	Acid Extractable Silver (Ag)	2012/10/17	92	75 - 125	96	80 - 120	ND, RDL=0.20	ug/g	NC	30		
3004124	Acid Extractable Thallium (Tl)	2012/10/17	78	75 - 125	87	80 - 120	ND, RDL=0.050	ug/g	NC	30		
3004124	Acid Extractable Uranium (U)	2012/10/17	93	75 - 125	99	80 - 120	ND, RDL=0.050	ug/g	1.9	30		
3004124	Acid Extractable Vanadium (V)	2012/10/17	104	75 - 125	109	80 - 120	ND, RDL=5.0	ug/g	NC	30		
3004124	Acid Extractable Zinc (Zn)	2012/10/17	NC	75 - 125	108	80 - 120	ND, RDL=5.0	ug/g	8.7	30		
3004124	Acid Extractable Mercury (Hg)	2012/10/17	100	75 - 125	98	80 - 120	ND, RDL=0.050	ug/g				
3004147	Hot Water Ext. Boron (B)	2012/10/17			96	75 - 125	ND, RDL=0.050	ug/g				
3004421	Conductivity	2012/10/17					ND, RDL=0.002	mS/cm	0.2	10	99	90 - 110

N/A = Not Applicable

RDL = Reportable Detection Limit

RPD = Relative Percent Difference

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.

Spiked Blank: A blank matrix to which a known amount of the analyte has been added. Used to evaluate analyte recovery.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was not sufficiently significant to permit a reliable recovery calculation.

NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.

Validation Signature Page

Maxxam Job #: B2F9973

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Cristina Carriere

Cristina Carriere, Scientific Services

Ewa Pranjic

Ewa Pranjic, M.Sc., C.Chem, Scientific Specialist

Mamdouh Salib

Mamdouh Salib, Analyst, Hydrocarbons

Yuan Zhou

Yuan Zhou, gc/ms Technician

=====

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

RUSH

CHAIN OF CUSTODY R

16-Oct-12 09:10

Heather Jasumani



B2F9973

DKN

ENV-911

Page 1 of 1

BOTTLE ORDER #:



377952

INVOICE INFORMATION:

Company Name: #685 R J Burnside & Associates Ltd
Contact Name: Accounts Payable
Address: 292 Speedvale Ave W Unit 7
Guelph ON N1H 1C4
Phone: (519)941-5331 x286 Fax: (519)941-7721
Email: Colette.Smith@rjburnside.com

REPORT INFORMATION:

Company Name: Max McCormick
Contact Name: Max McCormick
Address:
Phone:
Fax:
Email: Max.McCormick@neeganburnside.com; MMcCor

PROJECT INFORMATION:

Project #: 16792
Project Name: 360031699 Orangeville Hydro
Site #: Max McCormick
Sampled By: Max McCormick

CHAIN OF CUSTODY #:



CH377952-01-01

PROJECT MANAGER:

Heather Jasumani

Regulation 153 (2011)

☐ Table 1 ☐ Res/Park ☐ Medium/Fine
☐ Table 2 ☐ Ind/Comm ☐ Coarse
☒ Table 3 ☐ Agri/Other
☐ Table 4 ☐ For RSC

Other Regulations

☐ CCME ☐ Sanitary Sewer Bylaw
☐ Reg. 558 ☐ Storm Sewer Bylaw
☐ MISA Municipality:
☐ PWQO
☐ Other:
☐ Include Criteria on Certificate of Analysis (Y/N)?

SPECIAL INSTRUCTIONS

ANALYSIS REQUESTED (Please be specific):

Note: For MOE regulated drinking water samples - please use the Drinking Water Chain of Custody Form

TURNAROUND TIME (TAT) REQUIRED:

PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS

Regular (Standard) TAT:

(will be applied if Rush TAT is not specified):

Standard TAT = 5-7 Working days for most tests.

Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)

Date Required: ASAP Time Required: ☒

Rush Confirmation Number:

(call lab for #)

Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water? (Y/N)	Metals Field Filtered? (Y/N)	O'Reg 153 Metals & Inorganics Package	O'Reg 153 Petroleum Hydrocarbons	O'Reg 153 PAHs	O'Reg 153 PAHs in Soil	Regulated Drinking Water? (Y/N)	Metals Field Filtered? (Y/N)	O'Reg 153 Metals & Inorganics Package	O'Reg 153 Petroleum Hydrocarbons	O'Reg 153 PAHs	O'Reg 153 PAHs in Soil	# of Bottles	Comments
1	FL4	10/15/12		S													3	Rush 24hr
2	FL5																3	TAT required
3	FL6																3	
4	FL7																3	
5	FL8																3	
6	Dup																3	
7	WW2	10/15/12		S													3	
8																		
9																		
10																		

RELINQUISHED BY: (Signature/Print) Max McCormick	Date: (YY/MM/DD) 12/10/15	Time: 1420	RECEIVED BY: (Signature/Print) AKA PATEC	Date: (YY/MM/DD) 2012/10/16	Time: 09:10	# Jars Used and Not Submitted	Laboratory Use Only
						Time Sensitive	Temperature (°C) on Receipt 21.3°C
						Custody Seal	Yes No
						Present	☒
						Intact	☒

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

White: Maxxam Yellow: Client

Stranded Meter Costs

OHL is also seeking disposition of its stranded meter costs. OHL has transferred the costs of the stranded meters to Account 1555 and has continued to depreciate these assets over a 25 year period. As of December 31, 2011, Orangeville had replaced 11,105 conventional meters with smart meters. OHL did not receive any proceeds for scrapped meters. OHL has provided Appendix 2-S below.

Appendix 2-S Stranded Meter Treatment

Year	Notes	Gross Asset Value	Accumulated Amortization	Contributed Capital (Net of Amortization)	Net Asset	Proceeds on Disposition	Residual Net Book Value
		(A)	(B)	(C)	(D) = (A) - (B) - (C)	(E)	(F) = (D) - (E)
2006		\$ 1,411,095	\$ 766,748		\$ 644,347		\$ 644,347
2007		\$ 1,547,803	\$ 841,807		\$ 705,996		\$ 705,996
2008		\$ 1,557,220	\$ 897,709		\$ 659,512		\$ 659,512
2009		\$ 1,557,640	\$ 937,558		\$ 620,082		\$ 620,082
2010		\$ 1,579,709	\$ 999,961		\$ 579,747		\$ 579,747
2011		\$ 1,533,380	\$ 1,080,009		\$ 453,370		\$ 453,370
2012		\$ 1,533,380	\$ 1,122,675		\$ 410,705		\$ 410,705
2013	(1)	\$ 1,533,380	\$ 1,159,981		\$ 373,399		\$ 373,399

OHL is requesting recovery of the \$373,399 in residual net book value of the assets.

Stranded Asset Rate Rider Calculation

As detailed in this Exhibit, OHL is requesting recovery a Stranded Asset amount of \$373,399. OHL proposes to recover these amounts through a fixed monthly rider from metered customers. OHL has used the 2010 Cost Allocation Model provided in its' 2010 Cost of Service application to allocate to the customer classes. OHL's allocator for conventional meters on sheet E2 Allocators of the model for 1860 allocator was 68.94% for a residential customer and 31.06% for a general service customer less than 50 kW. At the time these cost allocators were based on conventional (stranded)meters Based on OHL's 2014 customer forecast a rate rider of \$2.08 per month for a residential customer and \$8.47 per month for a general service less than 50 kW customer would be required to recover these amounts in one year. OHL is requesting to dispose of this rate rider over a two year period, effective until April 30, 2016.

Table 9.7 : Stranded Meter Rate Rider			
	Total Capital	Less: Industrial	Stranded Meters
2011 Capital Cost	1,807,990	274,610	1,533,380
2011 Accumulated Amortization	(1,146,442)	(66,434)	(1,080,008)
2011 Net Book Value	661,548	208,177	453,371
Less 2012 Amortization			(42,666)
Less 2013 Amortization			(37,306)
2013 Net Book Value			373,399
	Residential	GS <50	Total
# 2014 of Forecasted Customers	10,325	1,141	11,466
Allocation of Meter Costs - 2010 CA Model	68.94%	31.06%	100.00%
Stranded Asset by Class	257,421	115,978	373,399
Stranded Meter Rate Rider by Class	2.08	8.47	
Stranded Meter Rate Rider by Class over 2 Year Recovery	1.04	4.24	

ACCOUNTING CHANGES UNDER CGAAP

On July 17, 2012, the Board issued a letter stating they will permit electricity distributors electing to remain on Canadian GAAP ("CGAAP") in 2012 to implement regulatory accounting changes for depreciation expense and capitalization policies effective on January 1, 2012. Due to the work completed during 2010 and 2011, OHL decided to make the change to depreciation and capitalization policies effective January 1, 2012. The "Kinectrics Report (EB-2010-0178), dated July 8, 2010 assisted OHL to determine the useful lives of our assets and used the typical useful life to amortize the cost of our assets.

Impact on Fixed Assets

OHL changed its' accounting policies under CGAAP for depreciation commencing January 1, 2012 and the capitalization commencing January 1, 2013.

OHL has followed the accounting treatment as published in the July 2012 FAQs. The accounting requirements and treatment OHL is Account 1576 to record the financial differences arising as a result of changes to accounting depreciation or capitalization policies permitted by the Board under Canadian GAAP in 2012. OHL has provided the continuity statements as found in the Board Appendix 2-BA1 for 2012 and 2013 Bridge year.

Orangeville Hydro Limited
EB-2013-0160
Exhibit 9
Tab 5
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October 1, 2013

Old Year Old CGAAP2012

CCA Class	OEB	Description	Cost				Accumulated Depreciation				Net Book Value
			Opening Balance	Additions	Disposals	Closing Balance	Opening Balance	Additions	Disposals	Closing Balance	
12	1611	Computer Software (Formally known as Account 1925)	\$ 628,390	\$ 160,843	\$ -	\$ 789,233	\$ 389,264	\$ 101,906	\$ -	\$ 491,170	\$ 298,063
CEC	1612	Land Rights (Formally known as Account 1906)	\$ 56,060			\$ 56,060	\$ 19,008	\$ 2,045		\$ 21,052	\$ 35,008
N/A	1805	Land	\$ 267,376	\$ 125,868	\$ 270,589	\$ 122,655	\$ -	\$ -		\$ -	\$ 122,655
47	1808	Buildings	\$ 15,296	\$ -	\$ 15,296	\$ -	\$ 15,296	\$ -	\$ 15,296	\$ -	\$ 0
13	1810	Leasehold Improvements	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
47	1815	Transformer Station Equipment >50 kV	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
47	1820	Distribution Station Equipment <50 kV	\$ 904,696	\$ -		\$ 904,696	\$ 500,257	\$ 24,964		\$ 525,221	\$ 379,476
47	1825	Storage Battery Equipment	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
47	1830	Poles, Towers & Fixtures	\$ 4,177,407	\$ 90,427		\$ 4,267,835	\$ 2,724,270	\$ 134,973		\$ 2,859,243	\$ 1,408,592
47	1835	Overhead Conductors & Devices	\$ 3,788,531	\$ 68,027		\$ 3,856,558	\$ 2,169,250	\$ 127,567		\$ 2,296,817	\$ 1,559,741
47	1840	Underground Conduit	\$ 4,379,130	\$ 190,738		\$ 4,569,868	\$ 2,032,079	\$ 158,211		\$ 2,190,290	\$ 2,379,578
47	1845	Underground Conductors & Devices	\$ 5,333,922	\$ 251,997		\$ 5,585,919	\$ 2,462,228	\$ 201,534		\$ 2,663,761	\$ 2,922,158
47	1850	Line Transformers	\$ 7,480,326	\$ 396,530		\$ 7,876,856	\$ 3,858,839	\$ 255,980		\$ 4,114,819	\$ 3,762,037
47	1855	Services (Overhead & Underground)	\$ 2,327,702	\$ 135,722		\$ 2,463,423	\$ 1,473,252	\$ 79,926		\$ 1,553,178	\$ 910,246
47	1860	Meters	\$ 1,852,099	\$ 22,198	\$ 1,577,489	\$ 296,808	\$ 1,151,894	\$ 12,359	\$ 1,085,461	\$ 78,793	\$ 218,015
47	1860	Meters (Smart Meters)	\$ -	\$ 1,778,199		\$ 1,778,199	\$ -	\$ 284,191		\$ 284,191	\$ 1,494,008
N/A	1905	Land	\$ 144,400			\$ 144,400	\$ -			\$ -	\$ 144,400
47	1908	Buildings & Fixtures	\$ 2,802,850	\$ 23,668		\$ 2,826,518	\$ 898,128	\$ 48,614		\$ 946,742	\$ 1,879,777
13	1910	Leasehold Improvements	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
8	1915	Office Furniture & Equipment (10 years)	\$ 189,627	\$ 23,138	\$ 2,857	\$ 209,909	\$ 110,523	\$ 13,505	\$ 2,857	\$ 121,171	\$ 88,737
8	1915	Office Furniture & Equipment (5 years)	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
10	1920	Computer Equipment - Hardware	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
45	1920	Computer Equip.-Hardware(Post Mar. 22/04)	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
45.1	1920	Computer Equip.-Hardware(Post Mar. 19/07)	\$ 158,861	\$ 22,016	\$ 5,069	\$ 175,808	\$ 103,546	\$ 19,666	\$ 4,311	\$ 118,901	\$ 56,907
10	1930	Transportation Equipment	\$ 1,010,019	\$ 36,069	\$ 34,789	\$ 1,011,299	\$ 746,881	\$ 83,774	\$ 34,789	\$ 795,865	\$ 215,433
8	1935	Stores Equipment	\$ 32,212	\$ 1,606	\$ 524	\$ 33,294	\$ 26,478	\$ 1,255	\$ 524	\$ 27,210	\$ 6,085
8	1940	Tools, Shop & Garage Equipment	\$ 147,021	\$ 1,133		\$ 148,154	\$ 122,847	\$ 3,759		\$ 126,606	\$ 21,548
8	1945	Measurement & Testing Equipment	\$ 21,291	\$ 499		\$ 21,790	\$ 14,778	\$ 762		\$ 15,540	\$ 6,250
8	1950	Power Operated Equipment	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
8	1955	Communications Equipment	\$ 18,701	\$ -		\$ 18,701	\$ 17,397	\$ 945		\$ 18,342	\$ 359
8	1955	Communication Equipment (Smart Meters)	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
8	1960	Miscellaneous Equipment	\$ 46,689	\$ 112,979		\$ 159,668	\$ 11,697	\$ 15,336		\$ 27,032	\$ 132,636
47	1970	Load Management Controls Customer Premises				\$ -				\$ -	\$ -
47	1975	Load Management Controls Utility Premises				\$ -				\$ -	\$ -
47	1980	System Supervisor Equipment				\$ -				\$ -	\$ -
47	1985	Miscellaneous Fixed Assets				\$ -				\$ -	\$ -
47	1990	Other Tangible Property				\$ -				\$ -	\$ -
47	1995	Contributions & Grants	\$ 3,793,000	\$ 297,008		\$ 4,090,008	\$ 1,108,784	\$ 157,942		\$ 1,266,726	\$ 2,823,282
	etc.					\$ -				\$ -	\$ -
						\$ -				\$ -	\$ -
		Sub-Total	\$ 31,989,607	\$ 3,144,650	\$ 1,906,613	\$ 33,227,644	\$ 17,739,126	\$ 1,413,329	\$ 1,143,237	\$ 18,009,217	\$ 15,218,427
		Less Socialized Renewable Energy Generation Investments (input as negative)				\$ -				\$ -	\$ -
		Less Other Non Rate-Regulated Utility Assets (input as negative)				\$ -				\$ -	\$ -
		Total PP&E	\$ 31,989,607	\$ 3,144,650	\$ 1,906,613	\$ 33,227,644	\$ 17,739,126	\$ 1,413,329	\$ 1,143,237	\$ 18,009,217	\$ 15,218,427

10	Transportation
8	Stores Equipment
8	Tools, Shop
8	Meas/Testing
8	Communication

Less: Fully Allocated Depreciation
 Transportation \$ 83,774
 Stores Equipment \$ 1,255
 Tools, Shop \$ 3,759
 Meas/Testing \$ 762
 Communication \$ 945
Net Depreciation \$ 1,322,834

Orangeville Hydro Limited
EB-2013-0160
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Schedule 1
Page 3 of 7
October 1, 2013

New Year New CGAAP2012

CCA Class	OEB	Description	Cost				Accumulated Depreciation				Net Book Value
			Opening Balance	Additions	Disposals	Closing Balance	Opening Balance	Additions	Disposals	Closing Balance	
12	1611	Computer Software (Formally known as Account 1925)	\$ 628,390	\$ 160,843		\$ 789,233	\$ 389,264	\$ 123,528	\$ -	\$ 512,792	\$ 276,441
CEC	1612	Land Rights (Formally known as Account 1906)	\$ 56,060	\$ -		\$ 56,060	\$ 19,008	\$ 2,045		\$ 21,052	\$ 35,008
N/A	1805	Land	\$ 267,376	\$ 125,868	\$ 270,589	\$ 122,655	\$ -	\$ -		\$ -	\$ 122,655
47	1808	Buildings	\$ 15,296	\$ -	\$ 15,296	\$ -	\$ 15,296	\$ -	\$ 15,296	\$ -	\$ 0
13	1810	Leasehold Improvements	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
47	1815	Transformer Station Equipment >50 kV	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
47	1820	Distribution Station Equipment <50 kV	\$ 904,696	\$ -		\$ 904,696	\$ 500,257	\$ 38,624		\$ 538,881	\$ 365,816
47	1825	Storage Battery Equipment	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
47	1830	Poles, Towers & Fixtures	\$ 4,177,407	\$ 90,427	\$ 28,899	\$ 4,238,936	\$ 2,724,270	\$ 51,587	\$ 23,924	\$ 2,751,933	\$ 1,487,003
47	1835	Overhead Conductors & Devices	\$ 3,788,531	\$ 68,027	\$ 2,017	\$ 3,854,541	\$ 2,169,250	\$ 35,860	\$ 1,445	\$ 2,203,665	\$ 1,650,876
47	1840	Underground Conduit	\$ 4,379,130	\$ 190,738	\$ -	\$ 4,569,868	\$ 2,032,079	\$ 59,085	\$ -	\$ 2,091,164	\$ 2,478,705
47	1845	Underground Conductors & Devices	\$ 5,333,922	\$ 251,997	\$ 8,079	\$ 5,577,840	\$ 2,462,228	\$ 140,747	\$ 13,947	\$ 2,589,027	\$ 2,988,813
47	1850	Line Transformers	\$ 7,480,326	\$ 396,530	\$ 57,969	\$ 7,818,886	\$ 3,858,839	\$ 124,612	\$ 60,776	\$ 3,922,675	\$ 3,896,212
47	1855	Services (Overhead & Underground)	\$ 2,327,702	\$ 135,722	\$ 2,935	\$ 2,460,489	\$ 1,473,252	\$ 36,061	\$ 1,921	\$ 1,507,392	\$ 953,097
47	1860	Meters	\$ 1,852,099	\$ 22,198	\$ 1,610,292	\$ 264,005	\$ 1,151,894	\$ 12,359	\$ 1,098,440	\$ 65,814	\$ 198,191
47	1860	Meters (Smart Meters)	\$ -	\$ 1,778,199	\$ 2,797	\$ 1,775,402	\$ -	\$ 284,191	\$ -	\$ 284,191	\$ 1,491,211
N/A	1905	Land	\$ 144,400	\$ -		\$ 144,400	\$ -	\$ -		\$ -	\$ 144,400
47	1908	Buildings & Fixtures	\$ 2,802,850	\$ 23,668		\$ 2,826,518	\$ 898,128	\$ 75,936		\$ 974,064	\$ 1,852,454
13	1910	Leasehold Improvements	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
8	1915	Office Furniture & Equipment (10 years)	\$ 189,627	\$ 23,138	\$ 2,857	\$ 209,909	\$ 110,523	\$ 13,466	\$ 2,857	\$ 121,132	\$ 88,776
8	1915	Office Furniture & Equipment (5 years)	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
10	1920	Computer Equipment - Hardware	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
45	1920	Computer Equip.-Hardware(Post Mar. 22/04)	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
45.1	1920	Computer Equip.-Hardware(Post Mar. 19/07)	\$ 158,861	\$ 22,016	\$ 5,069	\$ 175,808	\$ 103,546	\$ 22,245	\$ 4,311	\$ 121,479	\$ 54,329
10	1930	Transportation Equipment	\$ 1,010,019	\$ 36,069	\$ 34,789	\$ 1,011,299	\$ 746,881	\$ 37,608	\$ 34,789	\$ 749,700	\$ 261,599
8	1935	Stores Equipment	\$ 32,212	\$ 1,606	\$ 524	\$ 33,294	\$ 26,478	\$ 1,255	\$ 524	\$ 27,210	\$ 6,085
8	1940	Tools, Shop & Garage Equipment	\$ 147,021	\$ 1,133		\$ 148,154	\$ 122,847	\$ 3,759		\$ 126,606	\$ 21,548
8	1945	Measurement & Testing Equipment	\$ 21,291	\$ 499		\$ 21,790	\$ 14,778	\$ 762		\$ 15,540	\$ 6,250
8	1950	Power Operated Equipment	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
8	1955	Communications Equipment	\$ 18,701	\$ -		\$ 18,701	\$ 17,397	\$ 945		\$ 18,342	\$ 359
8	1955	Communication Equipment (Smart Meters)	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
8	1960	Miscellaneous Equipment	\$ 46,689	\$ 112,979		\$ 159,668	\$ 11,697	\$ 36,204		\$ 47,900	\$ 111,768
47	1970	Load Management Controls Customer Premises	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
47	1975	Load Management Controls Utility Premises	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
47	1980	System Supervisor Equipment	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
47	1985	Miscellaneous Fixed Assets	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
47	1990	Other Tangible Property	\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
47	1995	Contributions & Grants	\$ 3,793,000	\$ 297,008		\$ 4,090,008	\$ 1,108,784	\$ 84,972		\$ 1,193,757	\$ 2,896,252
	etc.		\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
		Sub-Total	\$ 31,989,607	\$ 3,144,650	\$ 2,042,112	\$ 33,092,145	\$ 17,739,126	\$ 1,015,905	\$ 1,258,230	\$ 17,496,801	\$ 15,595,344
		Less Socialized Renewable Energy Generation Investments (input as negative)				\$ -				\$ -	\$ -
		Less Other Non Rate-Regulated Utility Assets (input as negative)				\$ -				\$ -	\$ -
		Total PP&E	\$ 31,989,607	\$ 3,144,650	\$ 2,042,112	\$ 33,092,145	\$ 17,739,126	\$ 1,015,905	\$ 1,258,230	\$ 17,496,801	\$ 15,595,344

15,595,344

10	Transportation
8	Stores Equipment
8	Tools, Shop
8	Meas/Testing
8	Communication

Less: Fully Allocated Depreciation

Transportation	\$ 37,608
Stores Equipment	\$ 1,255
Tools, Shop	\$ 3,759
Meas/Testing	\$ 762
Communication	\$ 945
Net Depreciation	\$ 971,576

1

2

Orangeville Hydro Limited
EB-2013-0160
Exhibit 9
Tab 5
Schedule 1
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October 1, 2013

Old Year Old CGAAP2013

CCA Class	OEB	Description	Cost				Accumulated Depreciation				Net Book Value
			Opening Balance	Additions	Disposals	Closing Balance	Opening Balance	Additions	Disposals	Closing Balance	
12	1611	Computer Software (Formally known as Account 1925)	\$ 789,233	\$ 30,500		\$ 819,733	\$ 491,170	\$ 111,200		\$ 602,370	\$ 217,363
CEC	1612	Land Rights (Formally known as Account 1906)	\$ 56,060			\$ 56,060	\$ 21,052	\$ 2,045		\$ 23,097	\$ 32,963
N/A	1805	Land	\$ 122,655	\$ 22,400		\$ 145,055	\$ -			\$ -	\$ 145,055
47	1808	Buildings	\$ -			\$ -	\$ 0			\$ 0	\$ -
13	1810	Leasehold Improvements	\$ -			\$ -	\$ -			\$ -	\$ -
47	1815	Transformer Station Equipment >50 kV	\$ -			\$ -	\$ -			\$ -	\$ -
47	1820	Distribution Station Equipment <50 kV	\$ 904,696	\$ 71,135		\$ 975,831	\$ 525,221	\$ 20,101		\$ 545,322	\$ 430,509
47	1825	Storage Battery Equipment	\$ -			\$ -	\$ -			\$ -	\$ -
47	1830	Poles, Towers & Fixtures	\$ 4,267,835	\$ 153,667		\$ 4,421,502	\$ 2,859,243	\$ 132,543		\$ 2,991,786	\$ 1,429,716
47	1835	Overhead Conductors & Devices	\$ 3,856,558	\$ 72,572		\$ 3,929,130	\$ 2,296,817	\$ 125,072		\$ 2,421,889	\$ 1,507,241
47	1840	Underground Conduit	\$ 4,569,868	\$ 458,858		\$ 5,028,726	\$ 2,190,290	\$ 166,414		\$ 2,356,704	\$ 2,672,022
47	1845	Underground Conductors & Devices	\$ 5,585,919	\$ 394,035		\$ 5,979,954	\$ 2,663,761	\$ 208,926		\$ 2,872,687	\$ 3,107,267
47	1850	Line Transformers	\$ 7,876,856	\$ 347,260		\$ 8,224,116	\$ 4,114,819	\$ 292,164		\$ 4,406,983	\$ 3,817,133
47	1855	Services (Overhead & Underground)	\$ 2,463,423	\$ 182,783		\$ 2,646,206	\$ 1,553,178	\$ 82,554		\$ 1,635,732	\$ 1,010,475
47	1860	Meters	\$ 296,808	\$ 17,784		\$ 314,592	\$ 78,793	\$ 11,950		\$ 90,743	\$ 223,849
47	1860	Meters (Smart Meters)	\$ 1,778,199	\$ 9,375		\$ 1,787,574	\$ 284,191	\$ 120,065		\$ 404,256	\$ 1,383,318
N/A	1905	Land	\$ 144,400			\$ 144,400	\$ -			\$ -	\$ 144,400
47	1908	Buildings & Fixtures	\$ 2,826,518	\$ 7,000	\$ 5,000	\$ 2,828,518	\$ 946,742	\$ 48,945	\$ 300	\$ 995,387	\$ 1,833,131
13	1910	Leasehold Improvements	\$ -			\$ -	\$ -			\$ -	\$ -
8	1915	Office Furniture & Equipment (10 years)	\$ 209,909	\$ 23,000	\$ 2,257	\$ 230,651	\$ 121,171	\$ 15,081	\$ 2,257	\$ 133,995	\$ 96,657
8	1915	Office Furniture & Equipment (5 years)	\$ -			\$ -	\$ -			\$ -	\$ -
10	1920	Computer Equipment - Hardware	\$ -			\$ -	\$ -			\$ -	\$ -
45	1920	Computer Equip.-Hardware(Post Mar. 22/04)	\$ -			\$ -	\$ -			\$ -	\$ -
45.1	1920	Computer Equip.-Hardware(Post Mar. 19/07)	\$ 175,808	\$ 37,000	\$ 50,876	\$ 161,931	\$ 118,901	\$ 24,847	\$ 49,459	\$ 94,289	\$ 67,643
10	1930	Transportation Equipment	\$ 1,011,299	\$ 275,000	\$ 147,506	\$ 1,138,792	\$ 795,865	\$ 104,487	\$ 147,506	\$ 752,846	\$ 385,946
8	1935	Stores Equipment	\$ 33,294	\$ 2,500		\$ 35,794	\$ 27,210	\$ 1,232		\$ 28,442	\$ 7,353
8	1940	Tools, Shop & Garage Equipment	\$ 148,154	\$ 6,800	\$ 549	\$ 154,406	\$ 126,606	\$ 4,055	\$ 549	\$ 130,112	\$ 24,294
8	1945	Measurement & Testing Equipment	\$ 21,790	\$ 6,000		\$ 27,790	\$ 15,540	\$ 1,325		\$ 16,865	\$ 10,926
8	1950	Power Operated Equipment	\$ -			\$ -	\$ -			\$ -	\$ -
8	1955	Communications Equipment	\$ 18,701	\$ -		\$ 18,701	\$ 18,342	\$ 234		\$ 18,576	\$ 125
8	1955	Communication Equipment (Smart Meters)	\$ -			\$ -	\$ -			\$ -	\$ -
8	1960	Miscellaneous Equipment	\$ 159,668	\$ 2,000		\$ 161,668	\$ 27,032	\$ 15,618		\$ 42,650	\$ 119,018
47	1970	Load Management Controls Customer Premises	\$ -			\$ -	\$ -			\$ -	\$ -
47	1975	Load Management Controls Utility Premises	\$ -			\$ -	\$ -			\$ -	\$ -
47	1980	System Supervisor Equipment	\$ -			\$ -	\$ -			\$ -	\$ -
47	1985	Miscellaneous Fixed Assets	\$ -			\$ -	\$ -			\$ -	\$ -
47	1990	Other Tangible Property	\$ -			\$ -	\$ -			\$ -	\$ -
47	1995	Contributions & Grants	\$ 4,090,008	\$ 557,560		\$ 4,647,568	\$ 1,266,726	\$ 175,803		\$ 1,442,529	\$ 3,205,040
	etc.		\$ -			\$ -	\$ -			\$ -	\$ -
			\$ -			\$ -	\$ -			\$ -	\$ -
		Sub-Total	\$ 33,227,644	\$ 1,562,109	\$ 206,189	\$ 34,583,565	\$ 18,009,217	\$ 1,313,056	\$ 200,071	\$ 19,122,202	\$ 15,461,363
		Less Socialized Renewable Energy Generation Investments (input as negative)				\$ -				\$ -	\$ -
		Less Other Non Rate-Regulated Utility Assets (input as negative)				\$ -				\$ -	\$ -
		Total PP&E	\$ 33,227,644	\$ 1,562,109	\$ 206,189	\$ 34,583,565	\$ 18,009,217	\$ 1,313,056	\$ 200,071	\$ 19,122,202	\$ 15,461,363

15,461,363

10	Transportation
8	Stores Equipment
8	Tools, Shop
8	Meas/Testing
8	Communication

Less: Fully Allocated Depreciation

Transportation	\$ 104,487
Stores Equipment	\$ 1,232
Tools, Shop	\$ 4,055
Meas/Testing	\$ 1,325
Communication	\$ 234
Net Depreciation	\$ 1,201,723

New Year New CGAAP2013

CCA Class	OEB	Description	Cost				Accumulated Depreciation				Net Book Value
			Opening Balance	Additions	Disposals	Closing Balance	Opening Balance	Additions	Disposals	Closing Balance	
12	1611	Computer Software (Formally known as Account 1925)	\$ 789,233	\$ 30,500		\$ 819,733	\$ 512,792	\$ 106,679		\$ 619,471	\$ 200,262
CEC	1612	Land Rights (Formally known as Account 1906)	\$ 56,060			\$ 56,060	\$ 21,052	\$ 2,045		\$ 23,097	\$ 32,963
N/A	1805	Land	\$ 122,655	\$ 22,400		\$ 145,055	\$ -			\$ -	\$ 145,055
47	1808	Buildings	\$ -			\$ -	\$ 0	\$ -		\$ 0	\$ -
13	1810	Leasehold Improvements	\$ -			\$ -	\$ -			\$ -	\$ -
47	1815	Transformer Station Equipment >50 kV	\$ -			\$ -	\$ -			\$ -	\$ -
47	1820	Distribution Station Equipment <50 kV	\$ 904,696	\$ 71,135		\$ 975,831	\$ 538,881	\$ 39,704		\$ 578,585	\$ 397,246
47	1825	Storage Battery Equipment	\$ -			\$ -	\$ -			\$ -	\$ -
47	1830	Poles, Towers & Fixtures	\$ 4,238,936	\$ 153,667	\$ 26,369	\$ 4,366,234	\$ 2,751,933	\$ 53,864	\$ 23,149	\$ 2,782,647	\$ 1,583,586
47	1835	Overhead Conductors & Devices	\$ 3,854,541	\$ 72,572	\$ 78,206	\$ 3,848,907	\$ 2,203,665	\$ 37,070	\$ 66,873	\$ 2,173,861	\$ 1,675,045
47	1840	Underground Conduit	\$ 4,569,868	\$ 458,858		\$ 5,028,726	\$ 2,091,164	\$ 65,425		\$ 2,156,588	\$ 2,872,138
47	1845	Underground Conductors & Devices	\$ 5,577,840	\$ 394,035	\$ 25,596	\$ 5,946,279	\$ 2,589,027	\$ 149,941	\$ 22,039	\$ 2,716,930	\$ 3,229,349
47	1850	Line Transformers	\$ 7,818,886	\$ 347,260		\$ 8,166,146	\$ 3,922,675	\$ 132,986		\$ 4,055,660	\$ 4,110,486
47	1855	Services (Overhead & Underground)	\$ 2,460,489	\$ 182,783		\$ 2,643,272	\$ 1,507,392	\$ 40,100		\$ 1,547,491	\$ 1,095,780
47	1860	Meters	\$ 264,005	\$ 17,784		\$ 281,789	\$ 65,814	\$ 9,552		\$ 75,366	\$ 206,423
47	1860	Meters (Smart Meters)	\$ 1,775,402	\$ 9,375		\$ 1,784,777	\$ 284,191	\$ 118,374		\$ 402,565	\$ 1,382,212
N/A	1905	Land	\$ 144,400			\$ 144,400	\$ -			\$ -	\$ 144,400
47	1908	Buildings & Fixtures	\$ 2,826,518	\$ 7,000	\$ 5,000	\$ 2,828,518	\$ 974,064	\$ 76,077	\$ 300	\$ 1,049,841	\$ 1,778,677
13	1910	Leasehold Improvements	\$ -			\$ -	\$ -			\$ -	\$ -
8	1915	Office Furniture & Equipment (10 years)	\$ 209,909	\$ 23,000	\$ 2,257	\$ 230,651	\$ 121,132	\$ 15,806	\$ 2,257	\$ 134,681	\$ 95,970
8	1915	Office Furniture & Equipment (5 years)	\$ -			\$ -	\$ -			\$ -	\$ -
10	1920	Computer Equipment - Hardware	\$ -			\$ -	\$ -			\$ -	\$ -
45	1920	Computer Equip.-Hardware(Post Mar. 22/04)	\$ -			\$ -	\$ -			\$ -	\$ -
45.1	1920	Computer Equip.-Hardware(Post Mar. 19/07)	\$ 175,808	\$ 37,000	\$ 50,876	\$ 161,931	\$ 121,479	\$ 23,775	\$ 49,459	\$ 95,795	\$ 66,136
10	1930	Transportation Equipment	\$ 1,011,299	\$ 275,000	\$ 147,506	\$ 1,138,792	\$ 749,700	\$ 51,224	\$ 147,506	\$ 653,417	\$ 485,375
8	1935	Stores Equipment	\$ 33,294	\$ 2,500		\$ 35,794	\$ 27,210	\$ 1,212		\$ 28,422	\$ 7,373
8	1940	Tools, Shop & Garage Equipment	\$ 148,154	\$ 6,800	\$ 549	\$ 154,406	\$ 126,606	\$ 4,055	\$ 549	\$ 130,112	\$ 24,294
8	1945	Measurement & Testing Equipment	\$ 21,790	\$ 6,000		\$ 27,790	\$ 15,540	\$ 1,087		\$ 16,627	\$ 11,163
8	1950	Power Operated Equipment	\$ -			\$ -	\$ -			\$ -	\$ -
8	1955	Communications Equipment	\$ 18,701	\$ -		\$ 18,701	\$ 18,342	\$ 234		\$ 18,576	\$ 125
8	1955	Communication Equipment (Smart Meters)	\$ -			\$ -	\$ -			\$ -	\$ -
8	1960	Miscellaneous Equipment	\$ 159,668	\$ 2,000		\$ 161,668	\$ 47,900	\$ 15,618		\$ 63,518	\$ 98,150
47	1970	Load Management Controls Customer Premises	\$ -			\$ -	\$ -			\$ -	\$ -
47	1975	Load Management Controls Utility Premises	\$ -			\$ -	\$ -			\$ -	\$ -
47	1980	System Supervisor Equipment	\$ -			\$ -	\$ -			\$ -	\$ -
47	1985	Miscellaneous Fixed Assets	\$ -			\$ -	\$ -			\$ -	\$ -
47	1990	Other Tangible Property	\$ -			\$ -	\$ -			\$ -	\$ -
47	1995	Contributions & Grants	\$ 4,090,008	\$ 557,560	\$ 4,647,568	\$ -	\$ 1,193,757	\$ 94,463		\$ 1,288,220	\$ 3,359,348
	etc.		\$ -			\$ -	\$ -			\$ -	\$ -
			\$ -			\$ -	\$ -			\$ -	\$ -
		Sub-Total	\$ 33,092,145	\$ 1,562,109	\$ 336,360	\$ 34,317,895	\$ 17,496,801	\$ 850,365	\$ 312,132	\$ 18,035,033	\$ 16,282,861
		Less Socialized Renewable Energy Generation Investments (input as negative)				\$ -				\$ -	\$ -
		Less Other Non Rate-Regulated Utility Assets (input as negative)				\$ -				\$ -	\$ -
		Total PP&E	\$ 33,092,145	\$ 1,562,109	\$ 336,360	\$ 34,317,895	\$ 17,496,801	\$ 850,365	\$ 312,132	\$ 18,035,033	\$ 16,282,861

10	Transportation
8	Stores Equipment
8	Tools, Shop
8	Meas/Testing
8	Communication

Less: Fully Allocated Depreciation	
Transportation	\$ 51,224
Stores Equipment	\$ 1,212
Tools, Shop	\$ 4,055
Meas/Testing	\$ 1,087
Communication	\$ 234
Net Depreciation	\$ 792,552

16,282,861

A journal entry to record the variance (i.e., the financial differences) arising from these accounting changes is required at the end of the fiscal year for each year starting with the year of the changes until the year prior to when a distributor rebases its rates through a cost of service application. The offsetting entry will be recorded in Account 4305, Regulatory Debit or Account 4310, Regulatory Credit. The balance of -\$ 1,052,590 has been included in the EDDVAR continuity schedule in order to calculate the rate riders. OHL has included the rate of return component in the amount to be refunded to ratepayers, however this amount will not be recorded in 1576. No interest carrying charges or a rate of return is permitted in this account.

- 1 OHL has calculated the adjustment to depreciation expense and amount of the
- 2 cumulative variance amounting to a credit of -\$ 1,052,590 that will be recorded
- 3 account 1576 and will be refunded to ratepayers in this cost of service application.

Appendix 2-ED
Account 1576 - Accounting Changes under CGAAP
2012 Changes in Accounting Policies under CGAAP

Assumes the applicant made capitalization and depreciation expense accounting policy changes under CGAAP effective January 1, 2012

	2010 Rebasing Year	2011	2012	2013	2014 Rebasing Year	2015	2016	2017	2018
Reporting Basis	CGAAP	IRM	IRM	IRM	CGAAP - ASPE	IRM	IRM	IRM	IRM
Forecast vs. Actual Used in Rebasing Year	Forecast	Actual	Actual	Forecast	Forecast				
			\$	\$	\$	\$	\$	\$	\$
PP&E Values under former CGAAP									
Opening net PP&E - Note 1			14,250,481	15,218,427					
Net Additions - Note 4			1,238,037	1,355,921					
Net Depreciation (amounts should be negative) - Note 4			-270,091	-1,112,985					
Closing net PP&E (1)			15,218,427	15,461,363					
PP&E Values under revised CGAAP (Starts from 2012)									
Opening net PP&E - Note 1			14,250,481	15,595,344					
Net Additions - Note 4			1,102,538	1,225,750					
Net Depreciation (amounts should be negative) - Note 4			242,325	-538,232					
Closing net PP&E (2)			15,595,344	16,282,861					
Difference in Closing net PP&E, former CGAAP vs. revised CGAAP			-376,917	-821,499					

Effect on Deferral and Variance Account Rate Riders

Closing balance in Account 1576	- 821,499
Return on Rate Base Associated with Account 1576 balance at WACC - Note 2	- 231,091
Amount included in Deferral and Variance Account Rate Rider Calculation	- 1,052,590

WACC 5.63%

of years of rate rider
disposition period 5

- 4
- 5
- 6 OHL proposes that the rate rider be dispersed over a five year period with the offsetting
- 7 entry to depreciation expense.
- 8 OHL is requesting disposition of the 1576 as indicated in the table below:

Please indicate the Rate Rider Recovery Period (in years) 5

Rate Class (Enter Rate Classes in cells below)	Units	kW / kWh / # of Customers	Balance of Accounts 1575 and 1576	Rate Rider for Accounts 1575 and 1576	
Residential Service	kWh	85,739,256	-\$ 681,205	- 0.0016	\$/kWh
General Service Less than 50kW	kWh	38,644,867	-\$ 175,467	- 0.0009	\$/kWh
General Service 50 to 4,999 kW	kW	294,391	-\$ 181,045	- 0.1230	\$/kW
Street Light	kW	5,069	-\$ 10,336	- 0.4079	\$/kW
Sentinel Lighting	kW	357	-\$ 1,379	- 0.7715	\$/kW
Unmetered Scattered Load	kWh	374,473	-\$ 3,158	- 0.0017	\$/kWh
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
Total			-\$ 1,052,590		

LRAM RECOVERY

OHL herewith submits an application to the Ontario Energy Board (OEB) for the approval and recovery of historical Lost Revenue Mechanism (LRAM) amount related to Conservation and Demand Management (CDM) activities in 2011 and 2012. It is requested that these amounts be recovered through a rate rider over a one-year period beginning May 1, 2014. Total amount for recovery is \$ 18,074, including carrying charges of \$347.43 at the OEB prescribed rates. Amounts for LRAM recovery are summarized in the table below.

LRAMVA Calculations					
Per class allocation (kWh)	LF 2011	LF 2012	LF2013	LF 2014	
Residential	85,903,538.00	85,673,643.00	88,880,994.00	89,706,964.00	
General Service < 50 kW	35,863,634.00	35,683,448.00	37,014,298.00	36,780,123.00	
General Service > 50 to 4999 kW	121,707,245.00	120,453,549.00	120,548,540.00	120,031,135.00	
	243,474,417.00	241,810,640.00	246,443,832.00	246,518,222.00	
Per class allocation (kWh)	2011 Alloc by Class	2012 Alloc by Class	2011 LRAM (kWh)	2012 LRAM (kWh)	2011/2012 Total
Residential	35%	35%	395,162.51	318,870.50	714,033.01
General Service < 50 kW	15%	15%	164,975.32	132,810.96	297,786.28
General Service > 50 to 4999 kW	50%	50%	559,862.17	448,318.54	1,008,180.71
USL			-	-	-
	100%	100%	1,120,000	900,000	2,020,000
KW			1,200	1,000	2,200
LRAMVA Rate Rider	2011 Volumetric	2012 Volumetric	2011 LRAM	2012 LRAM	2011/2012 Total
Residential	0.0139	0.0140	\$5,492.76	\$4,464.19	9,956.95
General Service < 50 kW	0.0100	0.0101	\$1,649.75	\$1,341.39	2,991.14
General Service > 50 to 4999 kW	2.1632	2.1822	\$2,595.84	\$2,182.20	4,778.04
			\$9,738.35	\$7,987.78	\$17,726.13
Carrying Charges	Principal	Jan 1-Dec 31/13	Jan 1-Apr 30/14	Total Claim	
Residential	9,957	146.37	48.79	10,152	
General Service < 50 kW	2,991	43.97	14.66	3,050	
General Service > 50 to 4999 kW	4,778	70.24	23.41	4,872	
	\$17,726.13	260.57	86.86	18,074	

LRAMVA Amounts

The MFR state that distributors must apply for the disposition of the balance in the LRAMVA as part of their COS applications. In compliance with the filing requirements, OHL is filing for LRAMVA related to the CDM programs delivered

within the 2011 to 2014 term. In this proceeding, OHL seeks recovery of its 2011 LRAM with persistence up to 2012. The table below, extracted from the OEB Appendix, shows the derivation of the load reduction eligible for LRAM recovery.

	2011	2012	2013 kWh	2014	Total for 2014
Amount used for CDM threshold for LRAMVA (2014)	1,120,000.00	900,000.00	1,493,333.33	1,493,333.33	5,006,666.67
Manual Adjustment for 2014 Load Forecast (billed basis)	1,120,000.00	450,000.00	1,493,333.33	746,666.67	3,810,000.00
Proposed Loss Factor (TLF)	4.74%	Format: X.XX%			
Manual Adjustment for 2014 Load Forecast (system purchased basis)	1,173,064.74	471,320.65	1,564,086.32	782,043.16	3,990,514.87
<i>Manual adjustment uses "gross" versus "net" (i.e. numbers multiplied by (1 + g). The Weight factor is also used calculate the impact of each year's program on the CDM adjustment to the 2014 load forecast.</i>					

OHL attests that it has used the most recent input assumptions available at the time of the program evaluation when calculating its LRAM amount;

OHL attests that has relied on the most recent and appropriate final evaluation report from the OPA (see Appendix in support of its LRAM calculation;

OHL has separate tables for each rate class that shows the LRAM amounts requested by the year they are associated with and the year the lost revenues took place; in Exhibit 9 Tab 6 Schedule 1. Refer to LRAMVA Calculation table above.

In Exhibit 9 Tab 6 Schedule 1 OHL has included LRAM calculations, determined by calculating the energy savings by customer class and valuing those energy savings using the distributor's Board-approved variable distribution charge appropriate to the class. Refer to LRAMVA Calculation table above.

Lastly, OHL attests that it does not have any Board approved programs.

1
2
3
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APPENDIX B

2014 EDVVAR MODEL AND REGULATORY ASSET CONTINUITY MODEL



Deferral/Variance Account Workform for 2014 Filers

Version 2.2

Utility Name	Orangeville Hydro Limited
Service Territory	(if applicable)
Assigned EB Number	EB-2013-0160
Name of Contact and Title	Jan Howard, Manager of Finance & Rates
Phone Number	519-942-8000
Email Address	jhoward@orangevillehydro.on.ca

General Notes

1. Please ensure that your macros have been enabled. (Tools -> Macro -> Security)
2. Due to the time lag of deferral/variance account dispositions, this model assumes that all opening balances include previously disposed of amounts. Accordingly, all "Board Approved Dispositions" are deducted from the opening balance.
3. Please provide information in this model since the last time your balances were disposed.
4. For all Board-Approved dispositions, please ensure that the disposition amount has the same sign (e.g: debit balances are to have a positive figure and credit balance are to have a negative figure) as per the related Board decision.

Notes

 Pale green cells represent input cells.

 Pale blue cells represent drop-down lists. The applicant should select the appropriate item from the drop-down list.

 White cells contain fixed values, automatically generated values or formulae.

This Workbook Model is protected by copyright and is being made available to you solely for the purpose of preparing your rate application. You may use and copy this model for that purpose, and provide a copy of this model to any person that is advising or assisting you in that regard. Except as indicated above, any copying, reproduction, publication, sale, adaptation, translation, modification, reverse engineering or other use or dissemination of this model without the express written consent of the Ontario Energy Board is prohibited. If you provide a copy of this model to a person that is advising or assisting you in preparing or reviewing your draft rate order, you must ensure that the person understands and agrees to the restrictions noted above.



Deferral/Variance Account Workform for 2014 Filers

2005

Account Descriptions		Account Number	2005									
			Opening Principal Amounts as of Jan-1-05	Transactions Debit / (Credit) during 2005 excluding interest and adjustments ¹	Board-Approved Disposition during 2005	Adjustments during 2005 - other ²	Closing Principal Balance as of Dec-31-05	Opening Interest Amounts as of Jan-1-05	Interest Jan-1 to Dec-31-05	Board-Approved Disposition during 2005	Adjustments during 2005 - other ³	Closing Interest Amounts as of Dec-31-05
Group 1 Accounts												
1	LV Variance Account	1550					\$0					\$0
2	RSVA - Wholesale Market Service Charge	1580					\$0					\$0
3	RSVA - Retail Transmission Network Charge	1584					\$0					\$0
4	RSVA - Retail Transmission Connection Charge	1586					\$0					\$0
5	RSVA - Power (excluding Global Adjustment)	1588					\$0					\$0
6	RSVA - Global Adjustment	1589					\$0					\$0
7	Recovery of Regulatory Asset Balances	1590					\$0					\$0
8	Disposition and Recovery/Refund of Regulatory Balances (2008) ⁷	1595					\$0					\$0
9	Disposition and Recovery/Refund of Regulatory Balances (2009) ⁷	1595					\$0					\$0
10	Disposition and Recovery/Refund of Regulatory Balances (2010) ⁷	1595					\$0					\$0
10	Disposition and Recovery/Refund of Regulatory Balances (2011) ⁷	1595					\$0					\$0
Group 1 Sub-Total (including Account 1589 - Global Adjustment)			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
RSVA - Global Adjustment			1589	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Group 2 Accounts												
11	Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508					\$0					\$0
12	Other Regulatory Assets - Sub-Account - Pension Contributions	1508					\$0					\$0
13	Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508					\$0					\$0
14	Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508										
15	Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act ⁸	1508										
16	Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508										
17	Other Regulatory Assets - Sub-Account - Other ⁴	1508					\$0					\$0
18	Retail Cost Variance Account - Retail	1518					\$0					\$0
19	Misc. Deferred Debits	1525					\$0					\$0
20	Renewable Generation Connection Capital Deferral Account	1531										
21	Renewable Generation Connection OM&A Deferral Account	1532										
22	Renewable Generation Connection Funding Adder Deferral Account	1533										
23	Smart Grid Capital Deferral Account	1534										
24	Smart Grid OM&A Deferral Account	1535										
25	Smart Grid Funding Adder Deferral Account	1536										
26	Retail Cost Variance Account - STR	1548					\$0					\$0
27	Board-Approved CDM Variance Account	1567										
28	Extra-Ordinary Event Costs	1572					\$0					\$0
29	Deferred Rate Impact Amounts	1574					\$0					\$0
30	RSVA - One-time	1582					\$0					\$0
31	Other Deferred Credits	2425					\$0					\$0
Group 2 Sub-Total			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
32	Deferred Payments in Lieu of Taxes	1562					\$0					\$0
33	PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592					\$0					\$0
34	PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592					\$0					\$0
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
LRAM Variance Account			1568									
Total including Account 1568			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
36	Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital ¹⁰	1555					\$0					\$0
37	Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries ¹⁰	1555					\$0					\$0
38	Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs ¹⁰	1555					\$0					\$0
39	Smart Meter OM&A Variance ¹⁰	1556					\$0					\$0
40	IFRS-CGAAP Transition PP&E Amounts Balance + Return Component ⁶	1575										
41	Accounting Changes Under CGAAP Balance + Return Component ⁶	1576										
The following is not included in the total claim but are included on a memo basis:												
42	Deferred PILs Contra Account ⁵	1563					\$0					\$0
43	PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592					\$0					\$0
44	Disposition and Recovery of Regulatory Balances ⁷	1595					\$0					\$0



Deferral/Variance Account
for 2014

		2006									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-06	Transactions Debit/ (Credit) during 2006 excluding interest and adjustments ³	Board-Approved Disposition during 2006 ^{1,1A}	Adjustments during 2006 - other ²	Closing Principal Balance as of Dec-31-06	Opening Interest Amounts as of Jan-1-06	Interest Jan-1 to Dec-31-06	Board-Approved Disposition during 2006 ^{1,1A}	Adjustments during 2006 - other ²	Closing Interest Amounts as of Dec-31-06
Group 1 Accounts											
LV Variance Account	1550	\$0				\$0	\$0				\$0
RSVA - Wholesale Market Service Charge	1580	\$0				\$0	\$0				\$0
RSVA - Retail Transmission Network Charge	1584	\$0				\$0	\$0				\$0
RSVA - Retail Transmission Connection Charge	1586	\$0				\$0	\$0				\$0
RSVA - Power (excluding Global Adjustment)	1588	\$0				\$0	\$0				\$0
RSVA - Global Adjustment	1589	\$0				\$0	\$0				\$0
Recovery of Regulatory Asset Balances	1590	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁷	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁷	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁸	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁷	1595	\$0				\$0	\$0				\$0
Group 1 Sub-Total (including Account 1589 - Global Adjustment)		\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)		\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
RSVA - Global Adjustment	1589	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Group 2 Accounts											
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508										
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefits Act ⁹	1508										
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508										
Other Regulatory Assets - Sub-Account - Other ⁴	1508	\$0				\$0	\$0				\$0
Retail Cost Variance Account - Retail	1518	\$0				\$0	\$0				\$0
Misc. Deferred Debits	1525	\$0				\$0	\$0				\$0
Renewable Generation Connection Capital Deferral Account	1531										
Renewable Generation Connection OM&A Deferral Account	1532										
Renewable Generation Connection Funding Adder Deferral Account	1533										
Smart Grid Capital Deferral Account	1534										
Smart Grid OM&A Deferral Account	1535										
Smart Grid Funding Adder Deferral Account	1536										
Retail Cost Variance Account - STR	1548										
Board-Approved CDM Variance Account	1567	\$0				\$0	\$0				\$0
Extra-Ordinary Event Costs	1572	\$0				\$0	\$0				\$0
Deferred Rate Impact Amounts	1574	\$0				\$0	\$0				\$0
RSVA - One-time	1582	\$0				\$0	\$0				\$0
Other Deferred Credits	2425	\$0				\$0	\$0				\$0
Group 2 Sub-Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Deferred Payments in Lieu of Taxes	1562	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$0				\$0	\$0				\$0
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
LRAM Variance Account	1568										
Total including Account 1568		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter OM&A Variance ⁹	1556	\$0				\$0	\$0				\$0
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component ⁸	1575										
Accounting Changes Under CGAAP Balance + Return Component ⁸	1576										
The following is not included in the total claim but are included on a memo basis:											
Deferred PILs Contra Account ⁵	1563	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	\$0				\$0	\$0				\$0
Disposition and Recovery of Regulatory Balances ⁷	1595	\$0				\$0	\$0				\$0



Deferral/Variance Account
for 2014

		2007									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-07	Transactions Debit/ (Credit) during 2007 excluding interest and adjustments ¹	Board-Approved Disposition during 2007	Adjustments during 2007 - other ²	Closing Principal Balance as of Dec-31-07	Opening Interest Amounts as of Jan-1-07	Interest Jan-1 to Dec-31-07	Board-Approved Disposition during 2007	Adjustments during 2007 - other ²	Closing Interest Amounts as of Dec-31-07
Group 1 Accounts											
LV Variance Account	1550	\$0				\$0	\$0				\$0
RSVA - Wholesale Market Service Charge	1580	\$0				\$0	\$0				\$0
RSVA - Retail Transmission Network Charge	1584	\$0				\$0	\$0				\$0
RSVA - Retail Transmission Connection Charge	1586	\$0				\$0	\$0				\$0
RSVA - Power (excluding Global Adjustment)	1588	\$0				\$0	\$0				\$0
RSVA - Global Adjustment	1589	\$0				\$0	\$0				\$0
Recovery of Regulatory Asset Balances	1590	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁷	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁷	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁸	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁷	1595	\$0				\$0	\$0				\$0
Group 1 Sub-Total (including Account 1589 - Global Adjustment)		\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)		\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
RSVA - Global Adjustment	1589	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Group 2 Accounts											
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508										
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefits Act ⁹	1508										
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508										
Other Regulatory Assets - Sub-Account - Other ⁴	1508	\$0				\$0	\$0				\$0
Retail Cost Variance Account - Retail	1518	\$0				\$0	\$0				\$0
Misc. Deferred Debits	1525	\$0				\$0	\$0				\$0
Renewable Generation Connection Capital Deferral Account	1531										
Renewable Generation Connection OM&A Deferral Account	1532										
Renewable Generation Connection Funding Adder Deferral Account	1533										
Smart Grid Capital Deferral Account	1534										
Smart Grid OM&A Deferral Account	1535										
Smart Grid Funding Adder Deferral Account	1536										
Retail Cost Variance Account - STR	1548										
Board-Approved CDM Variance Account	1567	\$0				\$0	\$0				\$0
Extra-Ordinary Event Costs	1572						\$0				
Deferred Rate Impact Amounts	1574	\$0				\$0	\$0				\$0
RSVA - One-time	1582	\$0				\$0	\$0				\$0
Other Deferred Credits	2425	\$0				\$0	\$0				\$0
Group 2 Sub-Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Deferred Payments in Lieu of Taxes	1562	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$0				\$0	\$0				\$0
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
LRAM Variance Account	1568										
Total including Account 1568		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter OM&A Variance ⁹	1556	\$0				\$0	\$0				\$0
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component ⁵	1575										
Accounting Changes Under CGAAP Balance + Return Component ⁵	1576										
The following is not included in the total claim but are included on a memo basis:											
Deferred PILs Contra Account ⁵	1563	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	\$0				\$0	\$0				\$0
Disposition and Recovery of Regulatory Balances ⁷	1595	\$0				\$0	\$0				\$0



Deferral/Variance Account for 2014

2008											
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-08	Transactions Debit/ (Credit) during 2008 excluding interest and adjustments ¹	Board-Approved Disposition during 2008	Adjustments during 2008 - other ²	Closing Principal Balance as of Dec-31-08	Opening Interest Amounts as of Jan-1-08	Interest Jan-1 to Dec-31-08	Board-Approved Disposition during 2008	Adjustments during 2008 - other ²	Closing Interest Amounts as of Dec-31-08
Group 1 Accounts											
LV Variance Account	1550	\$0				\$0	\$0				\$0
RSVA - Wholesale Market Service Charge	1580	\$0				\$0	\$0				\$0
RSVA - Retail Transmission Network Charge	1584	\$0				\$0	\$0				\$0
RSVA - Retail Transmission Connection Charge	1586	\$0				\$0	\$0				\$0
RSVA - Power (excluding Global Adjustment)	1588	\$0				\$0	\$0				\$0
RSVA - Global Adjustment	1589	\$0				\$0	\$0				\$0
Recovery of Regulatory Asset Balances	1590	\$0			\$64,441.64	\$64,442	\$0			-\$47,253.46	-\$47,253
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁷	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁷	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁷	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁷	1595	\$0				\$0	\$0				\$0
Group 1 Sub-Total (including Account 1589 - Global Adjustment)		\$0	\$0	\$0	\$64,442	\$64,442	\$0	\$0	\$0	-\$47,253	-\$47,253
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)		\$0	\$0	\$0	\$64,442	\$64,442	\$0	\$0	\$0	-\$47,253	-\$47,253
RSVA - Global Adjustment	1589	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Group 2 Accounts											
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$0			\$29,807.00	\$29,807	\$0			\$5,218.00	\$5,218
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$0			\$67,724.39	\$67,724	\$0			\$12,910.53	\$12,911
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Incremental Capital Charges											
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act ³	1508										
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges											
Other Regulatory Assets - Sub-Account - Other ⁴	1508	\$0				\$0	\$0				\$0
Retail Cost Variance Account - Retail	1518	\$0			-\$12,912.82	-\$12,913	\$0			-\$228.99	-\$229
Misc. Deferred Debits	1525	\$0				\$0	\$0				\$0
Renewable Generation Connection Capital Deferral Account	1531										
Renewable Generation Connection OM&A Deferral Account	1532										
Renewable Generation Connection Funding Adder Deferral Account	1533										
Smart Grid Capital Deferral Account	1534										
Smart Grid OM&A Deferral Account	1535										
Smart Grid Funding Adder Deferral Account	1536										
Retail Cost Variance Account - STR	1548	\$0			-\$2,401.27	-\$2,401	\$0			-\$42.58	-\$43
Board-Approved CDM Variance Account	1567										
Extra-Ordinary Event Costs	1572	\$0				\$0	\$0				\$0
Deferred Rate Impact Amounts	1574	\$0				\$0	\$0				\$0
RSVA - One-time	1582	\$0				\$0	\$0				\$0
Other Deferred Credits	2425	\$0				\$0	\$0				\$0
Group 2 Sub-Total		\$0	\$0	\$0	\$82,217	\$82,217	\$0	\$0	\$0	\$17,857	\$17,857
Deferred Payments in Lieu of Taxes	1562	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$0				\$0	\$0				\$0
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$0	\$0	\$0	\$146,659	\$146,659	\$0	\$0	\$0	-\$29,397	-\$29,397
LRAM Variance Account	1568										
Total including Account 1568		\$0	\$0	\$0	\$146,659	\$146,659	\$0	\$0	\$0	-\$29,397	-\$29,397
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter OM&A Variance ¹⁰	1556	\$0				\$0	\$0				\$0
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component ⁸	1575										
Accounting Changes Under CGAAP Balance + Return Component ⁸	1576										
The following is not included in the total claim but are included on a memo basis:											
Deferred PILs Contra Account ⁵	1563	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	\$0				\$0	\$0				\$0
Disposition and Recovery of Regulatory Balances ⁷	1595	\$0				\$0	\$0				\$0



Deferral/Variance Account for 2014

2009											
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-09	Transactions Debit/ (Credit) during 2009 excluding interest and adjustments ¹	Board-Approved Disposition during 2009	Adjustments during 2009 - other ²	Closing Principal Balance as of Dec-31-09	Opening Interest Amounts as of Jan-1-09	Interest Jan-1 to Dec-31-09	Board-Approved Disposition during 2009	Adjustments during 2009 - other ²	Closing Interest Amounts as of Dec-31-09
Group 1 Accounts											
LV Variance Account	1550	\$0				\$0	\$0				\$0
RSVA - Wholesale Market Service Charge	1580	\$0				\$0	\$0				\$0
RSVA - Retail Transmission Network Charge	1584	\$0				\$0	\$0				\$0
RSVA - Retail Transmission Connection Charge	1586	\$0				\$0	\$0				\$0
RSVA - Power (excluding Global Adjustment)	1588	\$0				\$0	\$0				\$0
RSVA - Global Adjustment	1589	\$0				\$0	\$0				\$0
Recovery of Regulatory Asset Balances	1590	\$64,442				\$64,442	-\$47,253				-\$47,253
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁷	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁷	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁷	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁷	1595	\$0				\$0	\$0				\$0
Group 1 Sub-Total (including Account 1589 - Global Adjustment)		\$64,442	\$0	\$0	\$0	\$64,442	-\$47,253	\$0	\$0	\$0	-\$47,253
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)		\$64,442	\$0	\$0	\$0	\$64,442	-\$47,253	\$0	\$0	\$0	-\$47,253
RSVA - Global Adjustment	1589	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Group 2 Accounts											
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$29,807				\$29,807	\$5,218				\$5,218
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$67,724				\$67,724	\$12,911				\$12,911
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$0	\$5,904.06			\$5,904	\$0	\$8.32			\$8
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act ⁸	1508										
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508										
Other Regulatory Assets - Sub-Account - Other ⁴	1508	\$0				\$0	\$0				\$0
Retail Cost Variance Account - Retail	1518	-\$12,913	\$2,793.31			-\$10,120	-\$229				-\$229
Misc. Deferred Debits	1525	\$0				\$0	\$0				\$0
Renewable Generation Connection Capital Deferral Account	1531					\$0	\$0				\$0
Renewable Generation Connection OM&A Deferral Account	1532					\$0	\$0				\$0
Renewable Generation Connection Funding Adder Deferral Account	1533					\$0	\$0				\$0
Smart Grid Capital Deferral Account	1534					\$0	\$0				\$0
Smart Grid OM&A Deferral Account	1535					\$0	\$0				\$0
Smart Grid Funding Adder Deferral Account	1536					\$0	\$0				\$0
Retail Cost Variance Account - STR	1548	-\$2,401	-\$45.65			-\$2,447	-\$43				-\$43
Board-Approved CDM Variance Account	1567										\$0
Extra-Ordinary Event Costs	1572	\$0				\$0	\$0				\$0
Deferred Rate Impact Amounts	1574	\$0				\$0	\$0				\$0
RSVA - One-time	1582	\$0				\$0	\$0				\$0
Other Deferred Credits	2425	\$0				\$0	\$0				\$0
Group 2 Sub-Total		\$82,217	\$8,652	\$0	\$0	\$90,869	\$17,857	\$8	\$0	\$0	\$17,865
Deferred Payments in Lieu of Taxes	1562	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years (includes sub-account and contra account below)	1592	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$0				\$0	\$0				\$0
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$146,659	\$8,652	\$0	\$0	\$155,311	-\$29,397	\$8	\$0	\$0	-\$29,388
LRAM Variance Account											
1568											
Total including Account 1568		\$146,659	\$8,652	\$0	\$0	\$155,311	-\$29,397	\$8	\$0	\$0	-\$29,388
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter OM&A Variance ¹⁰	1556	\$0				\$0	\$0				\$0
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component ⁵	1575										
Accounting Changes Under CGAAP Balance + Return Component ⁵	1576										
The following is not included in the total claim but are included on a memo basis:											
Deferred PILs Contra Account ⁵	1563	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	\$0				\$0	\$0				\$0
Disposition and Recovery of Regulatory Balances ⁷	1595	\$0				\$0	\$0				\$0



Deferral/Variance Account for 2014

		2010									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-10	Transactions Debit/ (Credit) during 2010 excluding interest and adjustments ¹	Board-Approved Disposition during 2010	Adjustments during 2010 - other ²	Closing Principal Balance as of Dec-31-10	Opening Interest Amounts as of Jan-1-10	Interest Jan-1 to Dec-31-10	Board-Approved Disposition during 2010	Adjustments during 2010 - other ²	Closing Interest Amounts as of Dec-31-10
Group 1 Accounts											
LV Variance Account	1550	\$0			-\$198,281.60	-\$198,282	\$0			-\$1,984.95	-\$1,985
RSVA - Wholesale Market Service Charge	1580	\$0			-\$315,051.30	-\$315,051	\$0			\$1,040.75	\$1,041
RSVA - Retail Transmission Network Charge	1584	\$0			-\$104,306.98	-\$104,307	\$0			-\$275.76	-\$276
RSVA - Retail Transmission Connection Charge	1586	\$0			-\$65,452.22	-\$65,452	\$0			\$2,645.69	\$2,646
RSVA - Power (excluding Global Adjustment)	1588	\$0			\$126,334.24	\$126,334	\$0			\$5,408.13	\$5,408
RSVA - Global Adjustment	1589	\$0			\$252,341.56	\$252,342	\$0			-\$1,500.99	-\$1,501
Recovery of Regulatory Asset Balances	1590	\$64,442		\$64,441.64		\$0	-\$47,253		-\$47,253.46		\$0
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁷	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁷	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁸	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁷	1595	\$0				\$0	\$0				\$0
Group 1 Sub-Total (including Account 1589 - Global Adjustment)		\$64,442		\$64,442	-\$294,416	-\$294,416	-\$47,253	\$0	-\$47,253	\$5,383	\$5,383
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)		\$64,442	\$0	\$64,442	-\$546,758	-\$546,758	-\$47,253	\$0	-\$47,253	\$6,884	\$6,884
RSVA - Global Adjustment	1589	\$0	\$0	\$0	\$252,342	\$252,342	\$0	\$0	\$0	-\$1,501	-\$1,501
Group 2 Accounts											
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$29,807		\$29,807.00		\$0	\$5,218		\$5,218.00		\$0
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$67,724		\$67,724.39		\$0	\$12,911		\$12,910.53		\$0
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$5,904	\$3,136.42			\$9,040	\$8	\$63.78			\$72
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act ³	1508										
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508										
Other Regulatory Assets - Sub-Account - Other ⁴	1508	\$0				\$0	\$0				\$0
Retail Cost Variance Account - Retail	1518	-\$10,110	\$9,509.38	-\$12,912.82		\$12,303	-\$229		-\$228.99		\$0
Misc. Deferred Debits	1525	\$0				\$0	\$0				\$0
Renewable Generation Connection Capital Deferral Account	1531	\$0				\$0	\$0				\$0
Renewable Generation Connection OM&A Deferral Account	1532	\$0	\$44,855.18			\$44,855	\$0	\$293.93			\$294
Renewable Generation Connection Funding Adder Deferral Account	1533	\$0				\$0	\$0				\$0
Smart Grid Capital Deferral Account	1534	\$0				\$0	\$0				\$0
Smart Grid OM&A Deferral Account	1535	\$0				\$0	\$0				\$0
Smart Grid Funding Adder Deferral Account	1536	\$0				\$0	\$0				\$0
Retail Cost Variance Account - STR	1548	-\$2,447	-\$646.88	-\$2,401.27		-\$693	-\$43		-\$42.58		\$0
Board-Approved CCM Variance Account	1567					\$0	\$0				\$0
Extra-Ordinary Event Costs	1572					\$0	\$0				\$0
Deferred Rate Impact Amounts	1574	\$0				\$0	\$0				\$0
RSVA - One-time	1582	\$0				\$0	\$0				\$0
Other Deferred Credits	2425	\$0				\$0	\$0				\$0
Group 2 Sub-Total		\$90,869	\$56,854	\$82,217	\$0	\$65,506	\$17,865	\$358	\$17,857	\$0	\$366
Deferred Payments in Lieu of Taxes	1562	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$0	-\$6,230.25			-\$6,230	\$0	-\$18.13			-\$18
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$155,311	\$50,624	\$146,659	-\$294,416	-\$235,141	-\$29,388	\$340	-\$29,397	\$5,383	\$5,731
LRAM Variance Account	1568					\$0					\$0
Total including Account 1568		\$155,311	\$50,624	\$146,659	-\$294,416	-\$235,141	-\$29,388	\$340	-\$29,397	\$5,383	\$5,731
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter OM&A Variance ⁹	1556	\$0				\$0	\$0				\$0
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component ⁵	1575										
Accounting Changes Under CGAAP Balance + Return Component ⁵	1576										
The following is not included in the total claim but are included on a memo basis:											
Deferred PILs Contra Account ⁵	1563	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	\$0	\$12,460.51			\$12,461	\$0	\$36.25			\$36
Disposition and Recovery of Regulatory Balances ⁷	1595	\$0	\$208,772.73		-\$1,075,273.04	-\$866,500	\$0	-\$6,481.16		-\$187,085.91	-\$173,567



Deferral/Variance Account for 2014

2011											
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-11	Transactions Debit/ (Credit) during 2011 excluding interest and adjustments ¹	Board-Approved Disposition during 2011	Adjustments during 2010 - other ²	Closing Principal Balance as of Dec-31-11	Opening Interest Amounts as of Jan-1-11	Interest Jan-1 to Dec-31-11	Board-Approved Disposition during 2011	Adjustments during 2011 - other ³	Closing Interest Amounts as of Dec-31-11
Group 1 Accounts											
LV Variance Account	1550	-\$198,282	\$118,229.00			-\$80,053	-\$1,985	-\$1,961.05			-\$3,946
RSVA - Wholesale Market Service Charge	1580	-\$315,051	-\$252,218.59			-\$567,270	\$1,041	-\$6,510.21			-\$5,469
RSVA - Retail Transmission Network Charge	1584	-\$104,307	\$45,330.82			-\$58,976	-\$226	-\$1,189.05			-\$1,415
RSVA - Retail Transmission Connection Charge	1586	-\$55,452	\$6,746.41			-\$48,706	\$2,646	-\$766.00			\$1,880
RSVA - Power (excluding Global Adjustment)	1588	\$126,334	-\$56,056.42			\$70,278	\$5,408	-\$1,684.35			\$3,724
RSVA - Global Adjustment	1589	\$252,342	\$174,952.78			\$427,294	-\$1,501	\$7,451.34			\$5,950
Recovery of Regulatory Asset Balances	1590	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁷	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁷	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁷	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁷	1595	\$0				\$0	\$0				\$0
Group 1 Sub-Total (including Account 1589 - Global Adjustment)		-\$294,416	\$36,984	\$0	\$0	-\$257,432	\$5,383	-\$4,659	\$0	\$0	\$724
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)		-\$546,758	-\$137,969	\$0	\$0	-\$684,727	\$6,884	-\$12,111	\$0	\$0	-\$5,227
RSVA - Global Adjustment	1589	\$252,342	\$174,953	\$0	\$0	\$427,294	-\$1,501	\$7,451	\$0	\$0	\$5,950
Group 2 Accounts											
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$9,040	\$0.00			\$9,040	\$72	\$130.86			\$203
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act ⁸	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Other ⁴	1508	\$0				\$0	\$0				\$0
Retail Cost Variance Account - Retail	1518	\$12,303	\$13,390.56			\$25,693	\$0	\$0			\$0
Misc. Deferred Debits	1525	\$0				\$0	\$0				\$0
Renewable Generation Connection Capital Deferral Account	1531	\$0				\$0	\$0				\$0
Renewable Generation Connection OM&A Deferral Account	1532	\$44,855				\$44,855	\$294	\$861.87			\$1,156
Renewable Generation Connection Funding Adder Deferral Account	1533	\$0				\$0	\$0				\$0
Smart Grid Capital Deferral Account	1534	\$0				\$0	\$0				\$0
Smart Grid OM&A Deferral Account	1535	\$0				\$0	\$0				\$0
Smart Grid Funding Adder Deferral Account	1536	\$0				\$0	\$0				\$0
Retail Cost Variance Account - STR	1548	-\$693	-\$128.96			-\$821	\$0				\$0
Board-Approved CDM Variance Account	1567	\$0				\$0	\$0				\$0
Extra-Ordinary Event Costs	1572	\$0				\$0	\$0				\$0
Deferred Rate Impact Amounts	1574	\$0				\$0	\$0				\$0
RSVA - One-time	1582	\$0				\$0	\$0				\$0
Other Deferred Credits	2425	\$0				\$0	\$0				\$0
Group 2 Sub-Total		\$65,506	\$13,262	\$0	\$0	\$78,767	\$366	\$993	\$0	\$0	\$1,359
Deferred Payments in Lieu of Taxes	1562	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	-\$6,230	-\$11,069.23			-\$17,299	-\$18	-\$160.54			-\$179
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		-\$235,141	\$39,176	\$0	\$0	-\$195,964	\$5,731	-\$3,827	\$0	\$0	\$1,904
LRAM Variance Account	1568	\$0				\$0	\$0				\$0
Total including Account 1568		-\$235,141	\$39,176	\$0	\$0	-\$195,964	\$5,731	-\$3,827	\$0	\$0	\$1,904
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs ¹⁰	1555	\$0				\$0	\$0				\$0
Smart Meter OM&A Variance ¹⁰	1556	\$0				\$0	\$0				\$0
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component ⁵	1575										
Accounting Changes Under CGAAP Balance + Return Component ⁵	1576										
The following is not included in the total claim but are included on a memo basis:											
Deferred PILs Contra Account ⁵	1563	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	\$12,461	\$22,138.46			\$34,599	\$36	\$321.08			\$357
Disposition and Recovery of Regulatory Balances ⁷	1595	-\$866,500	\$313,045.57			-\$553,455	-\$173,567	-\$9,817.16			-\$183,304



Deferral/Variance Account for 2014

2012														
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-12	Transactions Debit/ (Credit) during 2012 excluding interest and adjustments ¹	Board-Approved Disposition during 2012	Other ² Adjustments during Q1 2012	Other ² Adjustments during Q2 2012	Other ² Adjustments during Q3 2012	Other ² Adjustments during Q4 2012	Closing Principal Balance as of Dec-31-12	Opening Interest Amounts as of Jan-1-12	Interest Jan-1 to Dec-31-12	Board-Approved Disposition during 2012	Adjustments during 2012 - other ²	Closing Interest Amounts as of Dec-31-12
Group 1 Accounts														
LV Variance Account	1550	-\$80,053	\$116,861.49	-\$198,281.60					\$235,090	-\$3,946	\$1,587.47	-\$5,871.27		\$3,513
RSVA - Wholesale Market Service Charge	1580	-\$567,270	-\$325,211.18	-\$315,051.30					-\$577,430	-\$5,469	-\$7,965.55	-\$5,134.25		-\$8,301
RSVA - Retail Transmission Network Charge	1584	-\$58,976	-\$33,818.77	-\$104,306.98					\$11,512	-\$1,415	-\$136.57	-\$2,270.18		\$719
RSVA - Retail Transmission Connection Charge	1586	-\$41,706	-\$10,162.08	-\$55,452.32					-\$3,416	\$1,880	-\$272.70	\$1,558.83		\$48
RSVA - Power (excluding Global Adjustment)	1588	\$70,278	-\$86,158.70	\$126,334.24					-\$142,215	\$3,724	\$225.77	\$7,884.28		-\$3,935
RSVA - Global Adjustment	1589	\$427,294	-\$71,633.46	\$252,341.56					\$103,319	\$5,950	\$2,585.20	\$3,444.92		\$5,091
Recovery of Regulatory Asset Balances	1590	\$0							\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁷	1595	\$0							\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁹	1595	\$0							\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁷	1595	\$0							\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁷	1595	\$0							\$0	\$0				\$0
Group 1 Sub-Total (including Account 1589 - Global Adjustment)		-\$257,432	-\$410,123	-\$294,416	\$0	\$0	\$0	\$0	-\$373,139	\$724	-\$3,976	-\$388	\$0	-\$2,865
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)		-\$684,727	-\$338,489	-\$546,758	\$0	\$0	\$0	\$0	-\$476,458	-\$5,227	-\$6,562	-\$3,833	\$0	-\$7,956
RSVA - Global Adjustment	1589	\$427,294	-\$71,633	\$252,342	\$0	\$0	\$0	\$0	\$103,319	\$5,950	\$2,585	\$3,445	\$0	\$5,091
Group 2 Accounts														
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	\$0							\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	\$0							\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$0							\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$9,040	\$0.00						\$9,040	\$203	\$132.90			\$336
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefits Act ³	1508	\$0							\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508	\$0							\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Other ⁴	1508	\$0							\$0	\$0				\$0
Retail Cost Variance Account - Retail	1518	\$25,693	\$16,265.14						\$41,958	\$0				\$0
Misc. Deferred Debits	1525	\$0							\$0	\$0				\$0
Renewable Generation Connection Capital Deferral Account	1531	\$0							\$0	\$0				\$0
Renewable Generation Connection OM&A Deferral Account	1532	\$44,855	\$0.00						\$44,855	\$1,156	\$659.40			\$1,815
Renewable Generation Connection Funding Adder Deferral Account	1533	\$0							\$0	\$0				\$0
Smart Grid Capital Deferral Account	1534	\$0							\$0	\$0				\$0
Smart Grid OM&A Deferral Account	1535	\$0							\$0	\$0				\$0
Smart Grid Funding Adder Deferral Account	1536	\$0							\$0	\$0				\$0
Retail Cost Variance Account - STR	1548	-\$821	\$12.82						-\$809	\$0				\$0
Board-Approved CDM Variance Account	1567	\$0							\$0	\$0				\$0
Extra-Ordinary Event Costs	1572	\$0	\$270,589.04						\$270,589	\$0				\$0
Deferred Rate Impact Amounts	1574	\$0							\$0	\$0				\$0
RSVA - One-time	1582	\$0							\$0	\$0				\$0
Other Deferred Credits	2425	\$0							\$0	\$0				\$0
Group 2 Sub-Total		\$78,767	\$286,867	\$0	\$0	\$0	\$0	\$0	\$365,634	\$1,359	\$792	\$0	\$0	\$2,151
Deferred Payments in Lieu of Taxes	1562	\$0							\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$0							\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/IOVAT Input Tax Credits (ITCs)	1592	-\$17,299	-\$13,617.13						-\$30,917	-\$179	-\$341.92			-\$521
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		-\$195,964	-\$136,873	-\$294,416	\$0	\$0	\$0	\$0	-\$38,421	\$1,904	-\$3,526	-\$388	\$0	-\$1,235
LRAM Variance Account														
LRAM Variance Account	1568	\$0						\$17,726	\$17,726	\$0				\$0
Total including Account 1568		-\$195,964	-\$136,873	-\$294,416	\$0	\$0	\$0	\$17,726	-\$20,695	\$1,904	-\$3,526	-\$388	\$0	-\$1,235
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital ¹⁰	1555	\$0							\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries ¹⁰	1555	\$0							\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs ¹⁰	1555	\$0	\$410,704.80						\$410,705	\$0				\$0
Smart Meter OM&A Variance ¹⁰	1556	\$0	\$42,665.20						\$42,665	\$0				\$0
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component ⁵	1575								\$0	\$0				\$0
Accounting Changes Under CGAAP Balance + Return Component ⁵	1576							-\$1,052,589.83	-\$1,052,590	\$0				\$0
The following is not included in the total claim but are included on a memo basis:														
Deferred PILs Contra Account ⁵	1563	\$0	-\$102,515.40						-\$102,515	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/IOVAT Contra Account	1592	\$34,599	\$27,234.26						\$61,833	\$357	\$683.83			\$1,041
Disposition and Recovery of Regulatory Balances ⁷	1595	-\$553,455	\$333,605.01	\$84,480.00		\$9,087.31			-\$295,242	-\$183,384	-\$6,846.64	-\$81,496.08	\$459.36	-\$108,375



Deferral/Variance Account
for 2014

		2013				Projected Interest on Dec-31-12 Balances		2.1.7 RRR		
Account Descriptions	Account Number	Principal Disposition during 2013 - instructed by Board	Interest Disposition during 2013 - instructed by Board	Closing Principal Balances as of Dec 31-12 Adjusted for Dispositions during 2013	Closing Interest Balances as of Dec 31-12 Adjusted for Dispositions during 2013	Projected Interest from Jan 1, 2013 to December 31, 2013 on Dec 31 -12 balance adjusted for disposition during 2013 ^a	Projected Interest from January 1, 2014 to April 30, 2014 on Dec 31 -12 balance adjusted for disposition during 2013 ^a	Total Claim	As of Dec 31-12	Variance RRR vs. 2012 Balance (Principal + Interest)
Group 1 Accounts										
LV Variance Account	1550			\$235,090	\$3,513	\$3,455.83	\$1,151.94	\$243,211	\$238,603.23	\$0
RSVA - Wholesale Market Service Charge	1580			~~\$577,430~~	~~\$8,301~~	~~\$8,488.22~~	~~\$2,829.41~~	~~\$597,048~~	~~\$585,730.53~~	~~\$0~~
RSVA - Retail Transmission Network Charge	1584			\$11,512	\$719	\$169.23	\$56.41	\$12,456	\$12,230.86	\$0
RSVA - Retail Transmission Connection Charge	1586			~~\$3,416~~	\$48	~~\$50.21~~	~~\$16.74~~	~~\$3,424~~	~~\$3,387.51~~	\$0
RSVA - Power (excluding Global Adjustment)	1588			~~\$142,215~~	~~\$3,935~~	~~\$2,090.56~~	~~\$696.85~~	~~\$148,937~~	~~\$146,149.84~~	\$0
RSVA - Global Adjustment	1589			\$103,319	\$5,091	\$1,518.79	\$506.26	\$110,435	\$108,409.96	\$0
Recovery of Regulatory Asset Balances	1590			\$0	\$0			\$0		\$0
Disposition and Recovery/Refund of Regulatory Balances (2008) ⁷	1595			\$0	\$0			\$0		\$0
Disposition and Recovery/Refund of Regulatory Balances (2009) ⁷	1595			\$0	\$0			\$0		\$0
Disposition and Recovery/Refund of Regulatory Balances (2010) ⁷	1595			\$0	\$0			\$0		\$0
Disposition and Recovery/Refund of Regulatory Balances (2011) ⁷	1595			\$0	\$0			\$0		\$0
Group 1 Sub-Total (including Account 1589 - Global Adjustment)		\$0	\$0	~~\$373,139~~	~~\$2,865~~	~~\$5,485~~	~~\$1,828~~	~~\$363,317~~	~~\$376,004~~	\$0
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)		\$0	\$0	~~\$476,458~~	~~\$7,956~~	~~\$7,004~~	~~\$2,335~~	~~\$493,752~~	~~\$484,414~~	\$0
RSVA - Global Adjustment	1589	\$0	\$0	\$103,319	\$5,091	\$1,519	\$506	\$110,435	\$108,410	\$0
Group 2 Accounts										
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508			\$0	\$0			\$0		\$0
Other Regulatory Assets - Sub-Account - Pension Contributions	1508			\$0	\$0			\$0		\$0
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508			\$0	\$0			\$0	\$107,934.66	\$107,935
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508			\$9,040	\$336	\$132.90	\$44.30	\$9,554	\$9,376.34	\$0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act ²	1508			\$0	\$0			\$0		\$0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508			\$0	\$0			\$0		\$0
Other Regulatory Assets - Sub-Account - Other ⁴	1508			\$0	\$0			\$0		\$0
Retail Cost Variance Account - Retail	1518			\$41,958	\$0	\$616.79	\$205.60	\$42,781	\$41,958.39	\$0
Misc. Deferred Debits	1525			\$0	\$0			\$0		\$0
Renewable Generation Connection Capital Deferral Account	1531			\$0	\$0			\$0		\$0
Renewable Generation Connection OM&A Deferral Account	1532			\$44,855	\$1,815	\$659.37	\$219.79	\$47,550	\$46,670.38	~~\$0~~
Renewable Generation Connection Funding Adder Deferral Account	1533			\$0	\$0			\$0		\$0
Smart Grid Capital Deferral Account	1534			\$0	\$0			\$0		\$0
Smart Grid OM&A Deferral Account	1535			\$0	\$0			\$0		\$0
Smart Grid Funding Adder Deferral Account	1536			\$0	\$0			\$0		\$0
Retail Cost Variance Account - STR	1548			~~\$809~~	\$0	~~\$11.89~~	~~\$3.96~~	~~\$825~~	~~\$808.67~~	\$0
Board-Approved CDM Variance Account	1567			\$0	\$0	\$0.00	\$0.00	\$0	\$4,622.58	\$4,623
Extra-Ordinary Event Costs	1572			\$270,589	\$0	\$3,977.66	\$1,325.89	\$275,893	\$270,589.04	\$0
Deferred Rate Impact Amounts	1574			\$0	\$0			\$0		\$0
RSVA - One-time	1582			\$0	\$0			\$0		\$0
Other Deferred Credits	2425			\$0	\$0			\$0		\$0
Group 2 Sub-Total		\$0	\$0	\$365,634	\$2,151	\$5,375	\$1,792	\$374,962	\$480,343	\$112,567
Deferred Payments in Lieu of Taxes	1562			\$0	\$0			\$0		\$0
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592			\$0	\$0			\$0		\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/IOVAT Input Tax Credits (ITCs)	1592			~~\$30,917~~	~~\$521~~	~~\$454.47~~	~~\$151.49~~	~~\$32,043~~	~~\$62,874.39~~	~~\$31,437~~
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$0	\$0	~~\$38,421~~	~~\$1,235~~	~~\$565~~	~~\$188~~	~~\$40,409~~	\$41,465	\$81,120
LRAM Variance Account	1568			\$17,726	\$0	\$261	\$87	\$18,074	\$0	~~\$17,726~~
Total including Account 1568		\$0	\$0	~~\$20,695~~	~~\$1,235~~	~~\$304~~	~~\$101~~	~~\$22,335~~	\$41,465	\$63,394
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital ¹⁰	1555			\$0	\$0			\$0		\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries ¹⁰	1555			\$0	\$0			\$0		\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs ¹⁰	1555			\$410,705	\$0			\$410,705	\$410,704.80	\$0
Smart Meter OM&A Variance ¹⁰	1556			\$42,665	\$0			\$42,665	\$42,665.20	\$0
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component ⁸	1575			\$0	\$0			\$0		\$0
Accounting Changes Under CGAAP Balance + Return Component ⁸	1576			~~\$1,052,590~~	\$0			~~\$1,052,590~~	~~\$173,589.74~~	\$879,000
The following is not included in the total claim but are included on a memo basis:										
Deferred PILs Contra Account ⁵	1563			~~\$102,515~~	\$0			~~\$102,515~~	~~\$102,515.40~~	\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/IOVAT Contra Account	1592			\$61,833	\$1,041			\$62,874	\$62,874.39	\$0
Disposition and Recovery of Regulatory Balances ⁷	1595			~~\$295,242~~	~~\$108,375~~			~~\$403,613~~	~~\$403,617.86~~	~~\$0~~



Deferral/Variance Account Workform for 2014 Filers

Accounts that produced a variance on the 2014 continuity schedule are listed below.
Please provide a detailed explanation for each variance below.

Account Descriptions	Account Number	Variance RRR vs. 2012 Balance (Principal + Interest)	Explanation
Group 1 Accounts			
LV Variance Account	1550	\$ 0.00	
RSVA - Wholesale Market Service Charge	1580	\$ (0.00)	
RSVA - Retail Transmission Network Charge	1584	\$ 0.00	
RSVA - Retail Transmission Connection Charge	1586	\$ 0.00	
RSVA - Power (excluding Global Adjustment)	1588	\$ 0.00	
RSVA - Global Adjustment	1589	\$ 0.00	
Group 2 Accounts			
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$ 107,934.66	OHL has not adopted IFRS and will be deferring until January 1, 2015
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$ 0.00	
Renewable Generation Connection OM&A Deferral Account	1532	\$ (0.00)	
Board-Approved CDM Variance Account	1567	\$ 4,622.58	OHL recorded costs in this account due to research into a board-approved program
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$ (31,437.20)	OHL is giving 50% back to the customers therefore we changed the continuity to reflect 50% of the total amount in the contra account
Accounting Changes Under CGAAP Balance + Return Component ⁹	1576	\$ 879,000.09	The difference is due the the 2013 difference and the rate of return calculation
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Contra Account	1592	\$ 0.00	
Disposition and Recovery of Regulatory Balances ⁷	1595	\$ (0.00)	

[illegible]



Deferral/Variance Account Workform for 2014 Filers

		Amounts from Sheet 2	Allocator	Residential Service	General Service Less than 50kW	General Service 50 to 4,999 kW	Street Light	Sentinel Lighting	Unmetered Scattered Load
LV Variance Account	1550	243,211	kWh	83,407	37,594	119,982	1,738	126	364
RSVA - Wholesale Market Service Charge	1580	(597,048)	kWh	(204,752)	(92,287)	(294,539)	(4,268)	(308)	(894)
RSVA - Retail Transmission Network Charge	1584	12,456	kWh	4,272	1,925	6,145	89	6	19
RSVA - Retail Transmission Connection Charge	1586	(3,434)	kWh	(1,178)	(531)	(1,694)	(25)	(2)	(5)
RSVA - Power (excluding Global Adjustment)	1588	(148,937)	kWh	(51,077)	(23,022)	(73,475)	(1,065)	(77)	(223)
RSVA - Global Adjustment	1589	110,435	Non-RPP kWh	12,347	4,781	91,992	1,309	7	0
Recovery of Regulatory Asset Balances	1590	0		0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2008)	1595	0		0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595	0		0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595	0		0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595	0		0	0	0	0	0	0
Total of Group 1 Accounts (excluding 1589)		(493,752)		(169,328)	(76,320)	(243,581)	(3,529)	(255)	(740)
Other Regulatory Assets - Sub-Account - OEB Cost Assessments	1508	0		0	0	0	0	0	0
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	0		0	0	0	0	0	0
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	0	Distribution Rev.	0	0	0	0	0	0
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	9,554	Distribution Rev.	6,183	1,593	1,643	94	13	29
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act	1508	0		0	0	0	0	0	0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508	0		0	0	0	0	0	0
Other Regulatory Assets - Sub-Account - Other	1508	0		0	0	0	0	0	0
Retail Cost Variance Account - Retail	1518	42,781	# of Customers	30,043	3,232	398	8,147	509	452
Misc. Deferred Debits	1525	0		0	0	0	0	0	0
Renewable Generation Connection Capital Deferral Account	1531	0		0	0	0	0	0	0
Renewable Generation Connection OM&A Deferral Account	1532	47,550		33,392	3,592	442	9,056	565	502
Renewable Generation Connection Funding Adder Deferral Account	1533	0		0	0	0	0	0	0
Smart Grid Capital Deferral Account	1534	0		0	0	0	0	0	0
Smart Grid OM&A Deferral Account	1535	0		0	0	0	0	0	0
Smart Grid Funding Adder Deferral Account	1536	0		0	0	0	0	0	0
Retail Cost Variance Account - STR	1548	(825)	# of Customers	(579)	(62)	(8)	(157)	(10)	(9)
Board-Approved CDM Variance Account	1567	0		0	0	0	0	0	0
Extra-Ordinary Event Costs	1572	275,893	kWh	94,615	42,645	136,105	1,972	142	413
Deferred Rate Impact Amounts	1574	0		0	0	0	0	0	0
RSVA - One-time	1582	0		0	0	0	0	0	0
Other Deferred Credits	2425	0		0	0	0	0	0	0
Total of Group 2 Accounts		374,952		163,654	50,999	138,580	19,112	1,219	1,387
Deferred Payments in Lieu of Taxes	1562	0		0	0	0	0	0	0
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account)	1592	0		0	0	0	0	0	0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	(32,043)	Distribution Rev.	(20,737)	(5,342)	(5,511)	(315)	(42)	(96)
Total of Account 1562 and Account 1592		(32,043)		(20,737)	(5,342)	(5,511)	(315)	(42)	(96)
LRAM Variance Account (Enter dollar amount for each class)	1568	18,074		10,152	3,050	4,872			
(Account 1568 - total amount allocated to classes)		18,074							
Variance		0							
Total Balance Allocated to each class (excluding 1589)		(132,770)		(16,259)	(27,613)	(105,640)	15,268	922	551
Total Balance Allocated to each class from Account 1589		110,435		12,347	4,781	91,992	1,309	7	0
Total Balance Allocated to each class (including 1589)		(22,335)		(3,912)	(22,832)	(13,648)	16,576	929	551
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component	1575	0		0	0	0	0	0	0
Accounting Changes Under CGAAP Balance + Return Component	1576	(1,052,590)	Distribution Rev.	(681,205)	(175,467)	(181,045)	(10,336)	(1,379)	(3,158)
Total Balance Allocated to each class for Accounts 1575 and 1576		(1,052,590)		(681,205)	(175,467)	(181,045)	(10,336)	(1,379)	(3,158)



1

Rate Class (Enter Rate Classes in cells below)	Units	kW / kWh / # of Customers	Allocated Balance (excluding 1589)	Rate Rider for Deferral/Variance Accounts	
Residential Service	kWh	85,739,256	-\$ 16,259 -	0.0002	\$/kWh
General Service Less than 50kW	kWh	38,644,867	-\$ 27,613 -	0.0007	\$/kWh
General Service 50 to 4,999 kW	kW	294,391	-\$ 105,640 -	0.3588	\$/kW
Street Light	kW	5,069	\$ 15,268	3.0122	\$/kW
Sentinel Lighting	kW	357	\$ 922	2.5804	\$/kW
Unmetered Scattered Load	kWh	374,473	\$ 551	0.0015	\$/kWh
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
Total			-\$ 132,770		

Rate Class (Enter Rate Classes in cells below)	Units	Non-RPP kW / kWh / # of Customers	Balance of RSVA - Power - Global Adjustment	Rate Rider for RSVA - Power - Global Adjustment	
Residential Service	kWh	15,872.031	\$ 12,347	0.0008	\$/kWh
General Service Less than 50kW	kWh	6,146.063	\$ 4,781	0.0008	\$/kWh
General Service 50 to 4,999 kW	kW	282.267	\$ 91,992	0.3259	\$/kW
Street Light	kW	4,771	\$ 1,309	0.2743	\$/kW
Sentinel Lighting	kW	25	\$ 7	0.2809	\$/kW
Unmetered Scattered Load	kWh	-	\$ -	-	\$/kWh
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
Total			\$ 110,435		

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Rate Class	Units	kW / kWh / # of Customers	Balance of Accounts 1575 and 1576			Rate Rider for Accounts 1575 and 1576	
(Enter Rate Classes in cells below)							
Residential Service	kWh	85,739,256	-\$	681,205	-	0.0016	\$/kWh
General Service Less than 50kW	kWh	38,644,867	-\$	175,467	-	0.0009	\$/kWh
General Service 50 to 4,999 kW	kW	294,391	-\$	181,045	-	0.1230	\$/kW
Street Light	kW	5,069	-\$	10,336	-	0.4079	\$/kW
Sentinel Lighting	kW	357	-\$	1,379	-	0.7715	\$/kW
Unmetered Scattered Load	kWh	374,473	-\$	3,158	-	0.0017	\$/kWh
		-	\$	-	-	-	
		-	\$	-	-	-	
		-	\$	-	-	-	
		-	\$	-	-	-	
		-	\$	-	-	-	
		-	\$	-	-	-	
		-	\$	-	-	-	
		-	\$	-	-	-	
		-	\$	-	-	-	
		-	\$	-	-	-	
		-	\$	-	-	-	
Total			-\$	1,052,590			

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2
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APPENDIX C
OPA RESULTS 2006 – 2010

OPA Conservation & Demand Management Programs

Annual Results at the End-User Level

For: Orangeville Hydro Limited

Net Summer Peak Demand Savings (MW)																					
#	Program Year	Results Status	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
1	2006 Programs	Final	0.6226	0.0386	0.0386	0.0386	0.0386	0.0386	0.0359	0.0359	0.0281	0.0281	0.0281	0.0281	0.0281	0.0281	0.0172	0.0117	0.0117	0.0117	0.0003
2	2007 Programs	Final	0.0000	0.9389	0.1570	0.1399	0.1399	0.1399	0.1375	0.1375	0.1375	0.1284	0.1239	0.1187	0.1187	0.0439	0.0439	0.0282	0.0053	0.0052	0.0052
3	2008 Programs	Final	0.0000	0.0000	1.3227	0.2007	0.2007	0.2007	0.1993	0.1993	0.1966	0.1956	0.1906	0.1817	0.1809	0.1809	0.1788	0.0470	0.0463	0.0398	0.0377
4	2009 Programs	Final	0.0000	0.0000	0.0000	1.2973	0.2966	0.2966	0.2958	0.2920	0.2791	0.2783	0.2783	0.2760	0.1967	0.1952	0.1550	0.1517	0.0509	0.0507	0.0471
5	2010 Programs	Final	0.0000	0.0000	0.0000	0.0000	1.1210	0.2949	0.2948	0.2943	0.2895	0.2758	0.2757	0.2757	0.1722	0.1709	0.0962	0.0962	0.0961	0.0855	0.0855
Total			0.6226	0.9775	1.5182	1.6765	1.7968	0.9707	0.9634	0.9590	0.9308	0.9067	0.8966	0.8802	0.6967	0.6191	0.4911	0.3349	0.2104	0.1930	0.1759

Net Energy Savings (MWh)																					
#	Program Year	Results Status	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
1	2006 Programs	Final	797	797	797	797	138	138	127	127	119	119	112	112	112	112	102	88	88	88	48
2	2007 Programs	Final	0	596	429	408	408	408	396	396	396	143	98	55	55	55	55	47	7	6	6
3	2008 Programs	Final	0	0	495	432	432	432	395	395	356	326	238	160	140	140	136	132	130	117	51
4	2009 Programs	Final	0	0	0	1,050	878	878	877	854	757	737	737	574	399	333	113	102	102	101	88
5	2010 Programs	Final	0	0	0	0	1,511	1,209	1,208	1,207	1,180	1,065	1,061	958	740	256	165	165	164	164	164
Total			797	1,393	1,220	2,687	3,368	3,066	3,003	2,978	2,808	2,390	2,245	1,859	1,447	896	571	535	492	476	356

Gross Summer Peak Demand Savings (MW)																					
#	Program Year	Results Status	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
1	2006 Programs	Final	0.6297	0.0457	0.0457	0.0457	0.0457	0.0457	0.0427	0.0427	0.0341	0.0341	0.0341	0.0341	0.0341	0.0341	0.0219	0.0134	0.0134	0.0134	0.0004
2	2007 Programs	Final	0.0000	1.8506	0.4534	0.3110	0.3110	0.3110	0.2960	0.2960	0.2960	0.2825	0.2702	0.2632	0.2632	0.1800	0.1800	0.0490	0.0093	0.0092	0.0092
3	2008 Programs	Final	0.0000	0.0000	1.3954	0.2694	0.2694	0.2694	0.2657	0.2657	0.2597	0.2573	0.2480	0.2311	0.2295	0.2295	0.2246	0.0782	0.0771	0.0661	0.0599
4	2009 Programs	Final	0.0000	0.0000	0.0000	1.4264	0.4247	0.4247	0.4228	0.4148	0.3911	0.3894	0.3894	0.3843	0.3008	0.2975	0.2338	0.2275	0.1155	0.1149	0.1028
5	2010 Programs	Final	0.0000	0.0000	0.0000	0.0000	1.2883	0.4624	0.4624	0.4609	0.4508	0.4252	0.4250	0.4250	0.3204	0.3181	0.1893	0.1893	0.1891	0.1773	0.1773
Total			0.6297	1.8506	1.8946	2.0525	2.3891	1.5132	1.4896	1.4801	1.4316	1.3885	1.3666	1.3376	1.1480	1.0592	0.8497	0.5675	0.4044	0.3808	0.3495

Gross Energy Savings (MWh)																						
#	Program Year	Results Status	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
1	2006 Programs	Final	890	890	890	890	158	158	145	145	137	137	129	129	129	129	118	99	99	99	53	
2	2007 Programs	Final	0	2,268	894	722	722	722	687	687	687	320	205	149	149	149	149	83	12	10	10	
3	2008 Programs	Final	0	0	1,011	929	929	929	831	831	743	665	505	364	320	320	311	306	305	281	83	
4	2009 Programs	Final	0.0000	0.0000	0.0000	1,600,3015	1,405,3880	1,405,3880	1,403,4449	1,357,1699	1,177,0917	1,139,9606	1,138,9941	933,6364	750,1433	627,6134	279,0765	258,3990	258,1908	252,1642	206,0981	
5	2010 Programs	Final	0	0	0	0	2,204	1,906	1,906	1,905	1,851	1,621	1,614	1,509	1,288	500	334	334	332	331	331	
Total			890	3,158	2,795	4,141	5,418	5,121	4,973	4,925	4,595	3,882	3,592	3,085	2,637	1,726	1,191	1,080	1,005	973	684	

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OPA Conservation & Demand Management Programs

Initiative Results at End User Level

For : Orangeville Hydro Limited

Net Summer Peak Demand Savings (MW)

Initiative Name	Program Name	Program	Baseline	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000	3001	3002	3003	3004	3005	3006	3007	3008	3009	3010	3011	3012	3013	3014	3015	3016	3017	3018	3019	3020	3021	3022	3023	3024	3025	3026	3027	3028	3029	3030	3031	3032	3033	3034	3035	3036	3037	3038	3039	3040	3041	3042	3043	3044	3045	3046	3047	3048	3049	3050	3051	3052	3053	3054	3055	3056	3057	3058	3059	3060	3061	3062	3063	3064	3065	3066	3067	3068	3069	3070	3071	3072	3073	3074	3075	3076	3077	3078	3079	3080	3081	3082	3083	3084	3085	3086	3087	3088	3089	3090	3091	3092	3093	3094	3095	3096	3097	3098	3099	3100	3101	3102	3103	3104	3105	3106	3107	3108	3109	3110	3111	3112	3113	3114	3115	3116	3117	3118	3119	3120	3121	3122	3123	3124	3125	3126	3127	3128	3129	3130	3131	3132	3133	3134	3135	3136	3137	3138	3139	3140	3141	3142	3143	3144	3145	3146	3147	3148	3149	3150	3151	3152	3153	3154	3155	3156	3157	3158	3159	3160	3161	3162	3163	3164	3165	3166	3167	3168	3169	3170	3171	3172	3173	3174	3175	3176	3177	3178	3179	3180	3181	3182	3183	3184	3185	3186	3187	3188	3189	3190	3191	3192	3193	3194	3195	3196	3197	3198	3199	3200	3201	3202	3203	3204	3205	3206	3207	3208	3209	3210	3211	3212	3213	3214	3215	3216	3217	3218	3219	3220	3221	3222	3223	3224	3225	3226	3227	3228	3229	3230	3231	3232	3233	3234	3235	3236	3237	3238	3239	3240	3241	3242	3243	3244	3245	3246	3247	3248	3249	3250	3251	3252	3253	3254	3255	3256	3257	3258	3259	3260	3261	3262	3263	3264	3265	3266	3267	3268	3269	3270	3271	3272	3273	3274	3275	3276	3277	3278	3279	3280	3281	3282	3283	3284	3285	3286	3287	3288	3289	3290	3291	3292	3293	3294	3295	3296	3297	3298	3299	3300	3301	3302	3303	3304	3305	3306	3307	3308	3309	3310	3311	3312	3313	3314	3315	3316	3317	3318	3319	3320	3321	3322	3323	3324	3325	3326	3327	3328	3329	3330	3331	3332	3333	3334	3335	3336	3337	3338	3339	3340	3341	3342	3343	3344	3345	3346	3347	3348	3349	3350	3351	3
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Net Energy Savings (MMBtu)

Initiative Name	Program Name	Program	Results	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001	1000	999	998	997	996	995	994	993	992	991	990	989	988	987	986	985	984	983	982	981	980	979	978	977	976	975	974	973	972	971	970	969	968	967	966	965	964	963	962	961	960	959	958	957	956	955	954	953	952	951	950	949	948	947	946	945	944	943	942	941	940	939	938	937	936	935	934	933	932	931	930	929	928	927	926	925	924	923	922	921	920	919	918	917	916	915	914	913	912	911	910	909	908	907	906	905	904	903	902	901	900	899	898	897	896	895	894	893	892	891	890	889	888	887	886	885	884	883	882	881	880	879	878	877	876	875	874	873	872	871	870	869	868	867	866	865	864	863	862	861	860	859	858	857	856	855	854	853	852	851	850	849	848	847	846	845	844	843	842	841	840	839	838	837	836	835	834	833	832	831	830	829	828	827	826	825	824	823	822	821	820	819	818	817	816	815	814	813	812	811	810	809	808	807	806	805	804	803	802	801	800	799	798	797	796	795	794	793	792	791	790	789	788	787	786	785	784	783	782	781	780	779	778	777	776	775	774	773	772	771	770	769	768	767	766	765	764	763	762	761	760	759	758	757	756	755	754	753	752	751	750	749	748	747	746	745	744	743	742	741	740	739	738	737	736	735	734	733	732	731	730	729	728	727	726	725	724	723	722	721	720	719	718	717	716	715	714	713	712	711	710	709	708	707	706	705	704	703	702	701	700	699	698	697	696	695	694	693	692	691	690	689	688	687	686	685	684	683	682	681	680	679	678	677	676	675	674	673	672	671	670	669	668	667	666	665	664	663	662	661	660	659	658	657	656	655	654	653	652	651	650	649	648	647	646	645	644	643	642	641	640	639	638	637	636	635	634	633	632	631	630	629	628	627	626	625	624	623	622	621	620	619	618	617	616	615	614	613	612	611	610	609	608	607	606	605	604	603	602	601	600	599
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OPA Conservation & Demand Management Programs

Measure Results at End-User Level

For: **Orangeville Hydro Limited**

Initiative Number	Initiative Name	Program Name	Program Year	Result Status	#	Measure Name	Unit Savings Assumptions						LDC Specific Results									
							Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Gross Lifetime Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)	Net Lifetime Energy Savings (kWh)	Aggregate Net-to-Gross Adjustment (%)	Effective Useful Life (EUL)	Activity Results (#)	Gross Summer Peak Demand Savings (kW)	Gross Annual Energy Savings (kWh)	Gross Lifetime Energy Savings (kWh)	Net Summer Peak Demand Savings (kW)	Net Annual Energy Savings (kWh)	Net Lifetime Energy Savings (kWh)	
1	1 Secondary Refrigerator Retirement Pilot	Consumer	2006	Final	1	Refrigerator Retirement	0.27	1200.00	7200.00	0.24	1080.00	6480.00	90.00	6.00	10.59	2.88	12704.72	76228.35	2.59	11434.25	68605.51	
2	2 Secondary Refrigerator Retirement Pilot	Consumer	2006	Final	2	Freezer Retirement	0.20	900.00	5400.00	0.18	810.00	4860.00	90.00	6.00	0.46	0.09	412.02	2472.33	0.08	370.85	2225.10	
3	3 Cool & Hot Savings Rebate	Consumer	2006	Final	4	Energy Star® Central Air Conditioner - Cool Savings	0.40	390.00	3460.06	0.35	351.00	4914.06	90.00	14.00	30.13	12.11	11843.34	55806.75	10.90	10659.01	149226.07	
4	4 Cool & Hot Savings Rebate	Consumer	2006	Final	2	Programmable Thermostat - Cool Savings	0.18	176.62	3179.21	0.16	158.96	2861.29	90.00	18.00	23.13	4.19	4086.09	73549.67	3.77	3677.48	66194.70	
5	5 Cool & Hot Savings Rebate	Consumer	2006	Final	3	Central Air Conditioner Tune-ups - Cool Savings	0.42	409.99	3279.91	0.38	368.99	2951.92	90.00	8.00	20.71	8.70	8491.01	67928.07	7.83	7641.91	61135.26	
6	6 Cool & Hot Savings Rebate	Consumer	2006	Final	4	Energy Star® Central Air Conditioner - Hot Savings	0.17	154.93	2788.71	0.10	88.62	1595.14	57.20	18.00	6.19	1.05	958.24	12748.30	0.60	548.11	9866.03	
7	7 Cool & Hot Savings Rebate	Consumer	2006	Final	5	Efficient Furnace with ECM - Hot Savings	0.50	836.70	12550.44	0.29	494.49	7417.31	59.10	15.00	13.02	6.46	10893.73	163406.00	3.82	6438.20	96572.94	
8	8 Cool & Hot Savings Rebate	Consumer	2006	Final	6	Programmable Thermostat - Hot Savings	0.03	53.60	804.00	0.01	14.72	220.79	27.46	15.00	12.63	0.33	645.00	9675.00	0.09	177.13	2654.95	
9	9 Every Kilowatt Counts	Consumer	2006	Final	1	Energy Star® Compact Fluorescent Light Bulb - Spring Campaign	0.00	104.40	417.60	0.00	93.96	375.84	90.00	4.00	2823.57	0.00	294780.95	1179123.79	0.00	265302.85	106121.41	
10	10 Every Kilowatt Counts	Consumer	2006	Final	2	Electric Timers - Spring Campaign	0.00	183.00	3660.00	0.00	164.70	3294.00	90.00	20.00	79.16	0.00	14485.85	289717.08	0.00	13037.27	260745.37	
11	11 Every Kilowatt Counts	Consumer	2006	Final	3	Programmable Thermostats - Spring Campaign	0.05	216.00	3240.00	0.05	194.40	2916.00	90.00	15.00	34.43	1.72	7437.50	111562.57	1.55	6693.75	100406.31	
12	12 Every Kilowatt Counts	Consumer	2006	Final	4	Energy Star® Ceiling Fans - Spring Campaign	0.01	141.00	2620.00	0.01	126.90	2538.00	90.00	20.00	26.19	0.37	3693.34	78866.78	0.33	3324.01	66480.10	
13	13 Every Kilowatt Counts	Consumer	2006	Final	5	Energy Star® Compact Fluorescent Light Bulb - Autumn Campaign	0.00	1466.30	23393.40	0.00	1319.67	21574.06	90.00	18.00	4136.52	0.00	437072.98	1748291.90	0.00	393365.68	1573462.71	
14	14 Every Kilowatt Counts	Consumer	2006	Final	6	Seasonal Light Emitting Diode Light String - Autumn Campaign	0.00	30.75	922.50	0.00	27.68	830.25	90.00	30.00	1007.69	0.00	30965.58	92597.40	0.00	27887.92	83637.74	
15	15 Every Kilowatt Counts	Consumer	2006	Final	7	Programmable Thermostats - Autumn Campaign	0.12	522.09	9397.70	0.11	469.89	8457.93	90.00	18.00	66.43	7.82	34680.98	624257.70	7.04	31212.88	561811.93	
16	16 Every Kilowatt Counts	Consumer	2006	Final	8	Dimmers - Autumn Campaign	0.00	139.00	1390.00	0.00	125.10	1251.00	90.00	10.00	52.52	0.00	7300.97	73009.65	0.00	6570.87	65708.69	
17	17 Every Kilowatt Counts	Consumer	2006	Final	9	Indoor Motion Sensors - Autumn Campaign	0.00	209.00	4180.00	0.00	188.10	3762.00	90.00	20.00	18.85	0.00	3939.10	78781.99	0.00	3545.19	70903.79	
18	18 Every Kilowatt Counts	Consumer	2006	Final	10	Programmable Baseboard Thermostats - Autumn Campaign	0.00	1466.30	23393.40	0.00	1319.67	21574.06	90.00	18.00	3.96	0.00	5807.83	104525.81	0.00	5221.29	93983.23	
19	19 Demand Response 1	Business, Ind	2006	Final	1	Voluntary Load Shedding Project	Custom	Custom	Custom	Custom	Custom	Custom	100.00	1.00	0.02	556.76	0.00	0.00	556.76	0.00	0.00	
20	20 Sloblaw & York Region Demand Response	Business, Ind	2006	Final	1	Rodan Contract	3000.00	0.00	0.00	3000.00	0.00	0.00	100.00	1.00	0.00	6.29	0.00	0.00	6.29	0.00	0.00	
21	21 Sloblaw & York Region Demand Response	Business, Ind	2006	Final	1	Loblaw Contract	10000.00	0.00	0.00	10000.00	0.00	0.00	100.00	1.00	0.00	20.96	0.00	0.00	20.96	0.00	0.00	
22	22 Great Refrigerator Roundup	Consumer	2007	Final	2	Bottom Freezer Fridge	0.12	1064.27	9578.40	0.08	777.96	7001.62	73.10	9.00	1.32	0.15	1409.89	12688.98	0.11	1030.60	9275.39	
23	23 Great Refrigerator Roundup	Consumer	2007	Final	3	Chest Freezer	0.07	471.46	3771.71	0.03	215.54	1724.28	45.72	8.00	32.52	2.19	15334.04	122672.31	1.00	7010.15	56081.18	
24	24 Great Refrigerator Roundup	Consumer	2007	Final	4	Side by Side Fridge-Freezer	0.10	599.92	8099.28	0.04	352.30	3170.71	39.15	9.00	10.96	0.00	9860.72	88746.67	0.41	3860.28	34742.50	
25	25 Great Refrigerator Roundup	Consumer	2007	Final	4	Single Door Fridge	0.08	721.26	6491.31	0.03	282.36	2541.22	39.15	9.00	30.36	2.36	21898.07	197082.67	0.92	8572.67	77154.00	
26	26 Great Refrigerator Roundup	Consumer	2007	Final	5	Small Freezer (under 10 cubic feet)	0.05	338.51	2708.06	0.01	101.90	815.17	30.10	8.00	1.19	0.06	402.32	3218.53	0.02	121.10	968.83	
27	27 Great Refrigerator Roundup	Consumer	2007	Final	6	Small Fridge (under 10 cubic feet)	0.05	489.95	4409.56	0.02	147.48	1327.35	30.10	9.00	2.38	0.12	1166.62	10499.55	0.04	351.17	3160.53	
28	28 Great Refrigerator Roundup	Consumer	2007	Final	7	Top Freezer Fridge	0.08	731.82	6586.38	0.03	286.49	2578.44	39.15	9.00	109.98	8.88	80482.46	724342.12	3.40	31507.30	283565.74	
29	29 Great Refrigerator Roundup	Consumer	2007	Final	8	Upright Freezer	0.11	742.93	5943.41	0.05	339.64	2717.10	45.72	8.00	6.29	0.67	4670.88	37373.03	0.31	2113.35	17082.80	
30	30 Great Refrigerator Roundup	Consumer	2007	Final	9	Window Air Conditioner	0.56	240.17	1080.77	0.24	103.51	465.81	43.10	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	31 Cool & Hot Savings Rebate	Consumer	2007	Final	1	Energy Star® Central Air Conditioner - Hot Savings	0.17	154.93	2788.71	0.10	88.62	1595.14	57.20	18.00	6.12	1.04	948.81	17078.56	0.59	542.72	9768.93	
32	32 Cool & Hot Savings Rebate	Consumer	2007	Final	2	Efficient Furnace with ECM - Hot Savings	0.50	836.70	12550.44	0.29	494.49	7417.31	59.10	15.00	12.89	6.40	10786.52	161797.84	3.78	6374.83	95622.52	
33	33 Cool & Hot Savings Rebate	Consumer	2007	Final	3	Programmable Thermostat - Hot Savings	0.03	53.60	804.00	0.01	14.72	220.79	27.46	15.00	11.92	0.33	638.65	9579.78	0.09	175.39	2630.80	
34	34 Cool & Hot Savings Rebate	Consumer	2007	Final	4	Energy Star® Central Air Conditioner, Tier 2 - Cool Savings	0.17	154.93	2788.71	0.10	88.62	1595.14	57.20	18.00	47.66	8.07	7884.30	132917.36	4.62	4223.82	76028.73	
35	35 Cool & Hot Savings Rebate	Consumer	2007	Final	5	Energy Star® Central Air Conditioner, Tier 1 - Cool Savings	0.17	154.93	2788.71	0.10	88.62	1595.14	57.20	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	36 Cool & Hot Savings Rebate	Consumer	2007	Final	6	Medium Efficiency Furnace with ECM - Cool Savings	0.50	836.70	12550.44	0.29	494.49	7417.31	59.10	15.00	63.26	31.38	52927.55	793913.24	18.55	31280.18	469202.72	
37	37 Cool & Hot Savings Rebate	Consumer	2007	Final	7	High Efficiency Furnace with ECM - Cool Savings	0.50	836.70	12550.44	0.29	494.49	7417.31	59.10	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	38 Cool & Hot Savings Rebate	Consumer	2007	Final	8	Programmable Thermostat - Cool Savings	0.03	53.61	804.18	0.01	14.72	220.84	27.46	15.00	59.10	1.63	3168.38	47525.72	0.45	870.10	13051.51	
39	39 Cool & Hot Savings Rebate	Consumer	2007	Final	9	Central Air Conditioner Tune-ups - Cool Savings	0.26	234.97	1174.86	0.04	36.92	184.60	15.71	5.00	58.59	15.06	13768.12	68840.61	2.37	2163.32	10816.58	
40	40 Every Kilowatt Counts	Consumer	2007	Final	1	15 W CFL	0.00	43.00	344.00	0.00	33.54	268.32	78.00	8.00	4963.80	6.45	21343.36	1707548.86	0.03	166485.82	1331886.55	
41	41 Every Kilowatt Counts	Consumer	2007	Final	2	20+ W CFL	0.00	62.10	496.80	0.00	48.44	387.50	78.00	8.00	808.06	1.54	50180.50	401444.02	1.20	39140.79	313126.34	
42	42 Every Kilowatt Counts	Consumer	2007	Final	3	Energy Star® Light Fixture	0.01	122.90	1966.40	0.00	67.60	1081.52	55.05	16.00	19.28	0.11	2369.54	37912.69	0.06	1369.25	20851.98	
43	43 Every Kilowatt Counts	Consumer	2007	Final	4	18 Fluorescent Tube	0.00	37.20	669.60	0.00	28.64	515.59	77.00	18.00	37.79	0.05	1405.70	23502.54	0.03	1082.39	19482.95	
44	44 Every Kilowatt Counts	Consumer	2007	Final	5	Seasonal LED Light String	0.00	13.70	68.50	0.00	6.71	33.57	48.00	5.00	1315.08	0.00	18016.61	90683.03	0.00	862.14	4410.69	
45	45 Every Kilowatt Counts	Consumer	2007	Final	6	Project Porchlight CFL	0.00	43.00	344.00	0.00	32.68	261.44	78.00	8.00	1044.55	1.36	44915.53	359				

93	12 Affordable Housing Pilot	Consumer Ld	2007/Final	24 Other CFL Screw-in Light (please specify)	0.01	382.75	5358.50	0.01	382.75	5358.50	100.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	12 Affordable Housing Pilot	Consumer Ld	2007/Final	25 Other Exterior Lighting (please specify)	0.01	160.00	2240.00	0.01	160.00	2240.00	100.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	12 Affordable Housing Pilot	Consumer Ld	2007/Final	26 Other Parking Garage Lighting (please specify)	0.00	429.38	6012.32	0.05	429.38	6012.32	100.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	12 Affordable Housing Pilot	Consumer Ld	2007/Final	27 Photo Sensors	0.00	292.00	4088.00	0.00	292.00	4088.00	100.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	12 Affordable Housing Pilot	Consumer Ld	2007/Final	28 Programmable Thermostat	0.01	631.00	8834.00	0.01	631.00	8834.00	100.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	12 Affordable Housing Pilot	Consumer Ld	2007/Final	29 Timer - Outdoor Light	0.00	292.00	4088.00	0.00	292.00	4088.00	100.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	12 Affordable Housing Pilot	Consumer Ld	2007/Final	30 Ventilating Fan (in-suite)	0.00	12.00	168.00	0.00	12.00	168.00	100.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	12 Social Housing Pilot	Consumer Ld	2007/Final	1 Custom Retrofit Projects	Custom	Custom	Custom	Custom	Custom	Custom	100.00	10.00	20.22	2.25	24860.22	24860.23	2.92	24860.22	24860.23
101	14 Energy Efficiency Assistance for Houses Pilot	Consumer Ld	2007/Final	1 Custom Retrofit Projects	Custom	Custom	Custom	Custom	Custom	Custom	100.00	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	15 Electricity Retrofit Incentive	Business	2007/Final	1 Custom Project	Custom	Custom	Custom	Custom	Custom	Custom	90.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	16 Toronto Comprehensive	Business	2007/Final	1 Toronto Hydro-Electric System Limited Project	Custom	Custom	Custom	Custom	Custom	Custom	90.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	16 Toronto Comprehensive	Business	2007/Final	2 City of Toronto Project	Custom	Custom	Custom	Custom	Custom	Custom	90.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	16 Toronto Comprehensive	Business	2007/Final	3 Building Owners & Managers Association Project	Custom	Custom	Custom	Custom	Custom	Custom	90.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	17 Demand Response 1	Business, Ind	2007/Final	1 Voluntary Load Shedding Project	Custom	Custom	Custom	Custom	Custom	Custom	100.00	1.00	0.01	649.35	0.00	0.00	649.35	0.00	0.00
107	18 Loblaw & York Region Demand Response	Business, Ind	2007/Final	1 Rodan Contract	16400.00	0.00	0.00	16400.00	0.00	0.00	100.00	1.00	0.00	33.56	0.00	0.00	33.56	0.00	0.00
108	18 Loblaw & York Region Demand Response	Business, Ind	2007/Final	2 Loblaw Contract	10000.00	0.00	0.00	10000.00	0.00	0.00	100.00	1.00	0.00	20.46	0.00	0.00	20.46	0.00	0.00
109	19 Renewable Energy Standard Offer	Consumer, B	2007/Final	1 Water	Custom	Custom	Custom	Custom	Custom	Custom	100.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	19 Renewable Energy Standard Offer	Consumer, B	2007/Final	2 SolarPV	Custom	Custom	Custom	Custom	Custom	Custom	100.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	19 Renewable Energy Standard Offer	Consumer, B	2007/Final	3 Wind	Custom	Custom	Custom	Custom	Custom	Custom	100.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	19 Renewable Energy Standard Offer	Consumer, B	2007/Final	4 Biogas	Custom	Custom	Custom	Custom	Custom	Custom	100.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	20 Great Refrigerator Roundup	Consumer	2008/Final	1 Bottom Freezer Fridge	0.08	775.00	6975.00	0.04	426.25	3836.25	55.00	9.00	1.57	0.12	1218.19	10963.69	0.07	670.00	6030.03
114	20 Great Refrigerator Roundup	Consumer	2008/Final	2 Chest Fridge	0.08	740.00	5920.00	0.04	384.80	3078.40	52.00	8.00	43.89	3.71	32479.60	259836.77	1.93	16889.39	135115.12
115	20 Great Refrigerator Roundup	Consumer	2008/Final	3 Side by Side Fridge-Freezer	0.08	775.00	6975.00	0.04	426.25	3836.25	55.00	9.00	14.67	1.16	11369.01	102321.12	0.64	6252.96	56276.62
116	20 Great Refrigerator Roundup	Consumer	2008/Final	4 Single Door Fridge	0.08	775.00	6975.00	0.04	426.25	3836.25	55.00	9.00	28.48	2.26	22073.56	198662.05	1.24	12140.86	109264.13
117	20 Great Refrigerator Roundup	Consumer	2008/Final	5 Small Fridge (under 10 cubic feet)	0.08	740.00	5920.00	0.04	384.80	3078.40	52.00	8.00	0.51	0.04	371.93	2991.54	0.02	194.48	1555.81
118	20 Great Refrigerator Roundup	Consumer	2008/Final	6 Small Fridge (under 10 cubic feet)	0.08	775.00	6975.00	0.04	426.25	3836.25	55.00	9.00	0.85	0.07	662.25	5906.26	0.04	364.24	3278.14
119	20 Great Refrigerator Roundup	Consumer	2008/Final	7 Top Freezer Fridge	0.08	775.00	6975.00	0.04	426.25	3836.25	55.00	9.00	113.42	10.59	103401.99	930617.88	5.83	56871.09	511839.83
120	20 Great Refrigerator Roundup	Consumer	2008/Final	8 Upright Freezer	0.08	740.00	5920.00	0.04	384.80	3078.40	52.00	8.00	8.60	0.73	6366.41	50931.29	0.38	3310.53	26484.27
121	20 Great Refrigerator Roundup	Consumer	2008/Final	9 Window Air Conditioner	0.20	197.00	886.50	0.07	70.92	319.14	36.00	4.50	3.00	0.60	591.00	2659.50	0.21	212.76	957.42
122	21 Cool Savings Rebate	Consumer	2008/Final	1 2007 Energy Star® Central Air Conditioner, Tier 1	0.17	155.26	2174.60	0.10	88.81	1598.53	57.20	18.00	8.45	0.60	1468.54	2643.74	0.02	840.01	15310.00
123	21 Cool Savings Rebate	Consumer	2008/Final	2 2007 Energy Star® Central Air Conditioner, Tier 2	0.17	155.26	2174.60	0.10	88.81	1598.53	57.20	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	21 Cool Savings Rebate	Consumer	2008/Final	3 2007 Medium Efficiency Furnace with ECM	0.50	836.70	12550.44	0.29	494.49	7417.31	59.10	15.00	19.69	9.77	16475.76	247136.34	5.77	9737.17	146057.57
125	21 Cool Savings Rebate	Consumer	2008/Final	4 2007 High Efficiency Furnace with ECM	0.50	836.70	12550.44	0.29	494.49	7417.31	59.10	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	21 Cool Savings Rebate	Consumer	2008/Final	5 2007 Programmable Thermostat	0.03	53.71	805.61	0.01	14.75	221.24	27.46	15.00	15.33	0.42	821.27	12349.04	0.12	226.09	3391.29
127	21 Cool Savings Rebate	Consumer	2008/Final	6 2007 Central Air Conditioner Tune-ups	0.17	155.26	2174.60	0.10	88.81	1598.53	57.20	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	21 Cool Savings Rebate	Consumer	2008/Final	7 2008 Energy Star® Central Air Conditioner, Tier 2	0.14	125.26	2254.60	0.08	71.65	1289.63	57.20	18.00	46.76	6.40	5856.98	105425.73	3.66	3350.20	60303.52
129	21 Cool Savings Rebate	Consumer	2008/Final	8 2008 Energy Star® Central Air Conditioner, Tier 1	0.14	125.26	2254.60	0.08	71.65	1289.63	57.20	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	21 Cool Savings Rebate	Consumer	2008/Final	9 2008 Efficient Furnace with ECM	0.49	819.22	14746.00	0.29	484.16	8714.89	59.10	18.00	70.53	34.23	57778.44	1040011.99	20.23	34147.06	614647.09
131	21 Cool Savings Rebate	Consumer	2008/Final	10 2008 Programmable Thermostat	0.03	53.71	866.73	0.01	14.75	225.48	27.46	18.00	59.93	1.66	3218.67	57935.99	0.46	883.91	15910.38
132	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	1 Energy Star® Qualified Compact Fluorescent Light Bulbs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1069.43	0.64	1069.43	6240.87	2.18	2526.80	2526.81
133	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	2 Energy Star® Qualified Dimmable CFLs	0.00	97.80	586.77	0.00	36.84	217.67	6.00	6.00	306.87	0.64	20231.34	121388.01	0.24	7621.39	4572.86
134	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	3 Energy Star® Qualified Decorative CFLs	0.00	30.38	121.51	0.00	11.72	46.86	38.57	4.00	3208.84	3.07	97477.15	389808.59	1.18	37594.49	150377.97
135	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	4 Energy Star® Qualified Compact Fluorescent Floods (Indoor & Outdoor)	0.00	87.62	613.33	0.00	12.83	229.80	37.47	7.00	809.89	2.46	78058.95	546412.63	0.92	29246.96	204728.72
136	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	5 Energy Star® Qualified Light Fixtures	0.00	133.48	2135.63	0.00	44.55	712.75	33.37	16.00	1382.58	5.82	184542.77	295284.37	1.94	61589.91	985438.49
137	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	6 T8 Fluorescent Fixtures	0.00	37.20	595.20	0.00	12.22	195.51	32.85	16.00	251.55	0.25	9357.59	149721.39	0.08	3073.72	49179.51
138	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	7 Lighting Control Devices	0.00	102.23	7022.33	0.00	46.38	463.78	45.36	10.00	270.39	0.81	27643.04	276430.38	3.37	12540.15	125401.53
139	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	8 Power Bars with Timers	0.00	53.30	533.04	0.00	21.72	217.16	40.74	10.00	14.83	0.06	790.60	7906.00	0.03	322.10	3220.96
140	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	9 Car block heater timer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	10 Heavy Duty Timers	0.02	301.20	3012.01	0.01	100.20	1002.05	33.27	10.00	31.29	0.54	9425.76	94257.57	0.18	3135.79	31357.94
142	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	11 Programmable Thermostats - Baseboard	0.00	63.66	954.87	0.00	29.61	444.13	46.51	15.00	87.24	0.00	5553.55	83303.30	0.00	2583.05	38745.72
143	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	12 Air Conditioner/Furnace Filters	0.02	37.70	377.00	0.01	13.23	132.33	35.00	1.00	82.11	1.72	3095.42	3095.42	0.60	1086.11	1086.11
144	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	13 Awnings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.66	0.00	0.00	0.00	0.00	0.00	0.00
145	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	14 Window Films	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	962.18	0.00	0.00	0.00	0.00	0.00	0.00
146	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	15 Electric Water Heater Blankets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.49	0.00	0.00	0.00	0.00	0.00	0.00
147	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	16 Pipe Wrap	0.00	38.00	228.00	0.00	17.79	106.76	46.82	6.00	1771.88	5.32	67331.34	403988.03	2.49	31526.73	189160.35
148	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	17 Low-Flow Toilets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	231.79	0.00	0.00	0.00	0.00	0.00	0.00
149	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	18 Keep Cool Pilot - Dehumidifier	0.29	499.80	5997.60	0.10	174.93	2099.16	35.00	12.00	0.55	0.16	276.36	3316.32	0.06	96.73	1160.71
150	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	19 Keep Cool Pilot - Room Air Conditioner	0.14	140.70	1266.30	0.06	59.09	531.85	42.00	9.00	0.62	0.09	87.26	785.38	0.04	36.65	329.86
151	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	20 Rewards for Recycling - Dehumidifier	0.29	499.80	5997.60	0.13	219.91	2638.94	44.00	12.00	16.60	4.81	8298.16	99577.90	2.12	3651.19	43814.28
152	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	21 Rewards for Recycling - Room Air Conditioner	0.14	140.70	1266.30	0.06	61.91	557.17	44.00	9.00	17.94	2.55	2524.77	22722.89	1.12	1110.90	9998.07
153	22 Every Kilowatt Counts Power Savings Event	Consumer	2008/Final	22 Rewards for Recycling - Hydronic Lamp	0.01	275.20	4401.20	0.00	132.10	2113.54									

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608	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	12 Programmable Thermostat - Spring Campaign - Participant Promoted	0.05	137.80	2066.97	0.02	62.41	936.21	45.29	12.00	43.97	2.21	6058.83	90882.50	1.00	2744.30	41164.43
609	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	13 Solar Power Products - Spring Campaign - Participant Promoted	0.00	4.80	24.00	0.00	2.90	14.50	60.40	5.00	114.82	0.00	551.15	2755.77	0.00	332.91	1664.56
610	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	14 Control Products - Spring Campaign - Participant Promoted	0.00	72.20	722.00	0.00	38.62	386.22	28.25	10.00	571.73	0.00	1424.91	42499.30	0.00	240.88	32089.78
611	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	15 Window Blinds and Awnings - Spring Campaign - Participant Promoted	0.00	0.00	0.00	0.00	0.00	0.00	28.54	0.00	59.37	0.00	0.00	0.00	0.00	0.00	0.00
612	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	16 Reduce power to electronics (Behavioural) - Spring Campaign - Participant Spillover	0.00	21.29	212.9	0.00	3.19	3.19	14.98	1.00	23.94	0.04	509.83	509.83	0.01	76.38	76.38
613	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	17 Installed CFLs - Spring Campaign - Participant Spillover	0.00	101.42	811.39	0.00	13.30	106.41	13.11	8.00	21.00	0.07	2130.34	17042.70	0.01	279.37	2234.97
614	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	18 Washed in Cold Laundry (Behavioural) - Spring Campaign - Participant Spillover	0.00	30.03	30.03	0.00	4.27	4.27	14.22	1.00	20.86	0.05	626.55	626.55	0.01	89.07	89.07
615	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	19 Turned off/Reduced lights (Behavioural) - Spring Campaign - Participant Spillover	0.01	262.80	262.80	0.00	30.88	30.88	11.75	1.00	19.46	0.16	5115.14	5115.14	0.02	600.99	600.99
616	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	20 Dried clothes outside or on rack (Behavioural) - Spring Campaign - Participant Spillover	0.01	74.14	74.14	0.00	8.34	8.34	11.12	1.00	16.94	0.14	1256.13	1256.13	0.02	139.61	139.61
617	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	21 Installed a new energy efficient appliance - Refrigerator - Spring Campaign - Participant Spillover	0.01	64.86	908.04	0.00	9.15	128.05	14.10	14.00	15.26	0.10	989.97	13859.53	0.01	139.60	1954.42
618	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	22 Unplugged devices usually left plugged in (Behavioural) - Spring Campaign - Participant Spillover	0.01	70.19	70.19	0.00	14.26	14.26	20.32	1.00	14.56	0.09	1022.17	1022.17	0.02	207.72	207.72
619	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	23 Installed a new energy efficient appliance - Clothes washing machine - Spring Campaign - Participant Spillover	0.01	122.34	1712.71	0.00	14.29	200.09	18.18	14.00	9.10	0.12	1113.49	15588.86	0.01	130.09	1821.23
620	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	24 Added ceiling/attic/wall/basement insulation - Spring Campaign - Participant Spillover	0.10	394.00	7880.05	0.01	46.03	920.62	11.68	20.00	9.10	0.95	3586.16	71723.14	0.11	418.97	8179.36
621	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	25 Installed Programmable Thermostat - Spring Campaign - Participant Spillover	0.02	308.36	4621.39	0.00	38.57	578.58	12.51	15.00	8.96	0.20	2763.46	41651.97	0.02	345.08	5185.13
622	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	26 Energy Star Qualified Compact Fluorescent - Spring Campaign - Non-Participant Rebated	0.00	22.41	179.28	0.00	7.79	62.33	34.77	8.00	175.05	0.12	3923.00	31383.99	0.04	1363.86	10910.84
623	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	27 ENERGY STAR Decorative CFLs - Spring Campaign - Non-Participant Rebated	0.00	26.18	157.08	0.00	10.42	62.54	39.81	6.00	86.90	0.07	2274.97	13649.81	0.03	905.77	5344.64
624	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	28 ENERGY STAR Fixtures - Spring Campaign - Non-Participant Rebated	0.00	67.68	1082.88	0.00	27.50	439.92	40.63	16.00	81.86	0.17	5540.22	88643.58	0.07	2250.72	36011.46
625	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	29 ENERGY STAR Ceiling Fans - Spring Campaign - Non-Participant Rebated	0.00	71.49	714.91	0.00	9.67	96.66	13.52	10.00	23.93	0.05	1710.64	17106.35	0.01	231.28	2312.85
626	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	30 Heavy Duty Pool and Spa Timers - Spring Campaign - Non-Participant Rebated	0.06	454.07	4540.75	0.01	61.39	613.93	13.52	10.00	15.11	0.91	6862.16	68621.62	0.12	927.79	9277.92
627	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	31 Clotheslines - Spring Campaign - Non-Participant Rebated	0.01	77.27	772.71	0.00	10.45	104.47	13.52	10.00	55.41	0.48	4281.74	42817.37	0.06	578.91	5789.08
628	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	32 Pipe Wrap - Spring Campaign - Non-Participant Rebated	0.00	8.07	48.43	0.00	1.09	6.55	13.52	6.00	128.46	0.08	1036.94	6221.65	0.01	140.20	841.19
629	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	33 Water Blanket - Spring Campaign - Non-Participant Rebated	0.00	52.47	524.72	0.00	7.09	70.94	13.52	10.00	18.89	0.08	991.21	9912.14	0.01	134.02	1340.16
630	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	34 Window Film - Spring Campaign - Non-Participant Rebated	0.00	0.00	0.00	0.00	0.00	0.00	13.52	0.00	54.15	0.00	0.00	0.00	0.00	0.00	0.00
631	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	35 Energy Star Qualified Window Air Conditioner - Spring Campaign - Non-Participant Rebated	0.10	96.40	1156.80	0.04	41.72	500.64	43.28	12.00	31.48	0.37	3035.07	36420.88	1.33	1313.52	15762.21
632	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	36 Energy Star Qualified Dehumidifiers - Spring Campaign - Non-Participant Promoted	0.02	284.00	3408.00	0.01	124.86	198.28	43.96	12.00	37.78	0.93	10729.80	128757.65	0.43	4717.29	56606.70
633	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	37 Programmable Thermostat - Spring Campaign - Non-Participant Promoted	0.05	137.80	2066.97	0.01	40.30	604.44	29.24	15.00	59.19	2.97	8156.28	122344.24	0.87	2385.13	35776.96
634	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	38 Solar Power Products - Spring Campaign - Non-Participant Promoted	0.00	4.80	24.00	0.00	1.87	9.36	39.00	5.00	184.11	0.00	1843.71	8218.56	0.00	719.00	3594.99
635	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	39 Control Products - Spring Campaign - Non-Participant Promoted	0.00	72.20	722.00	0.00	24.87	248.72	34.45	10.00	132.23	0.19	9547.26	95472.59	0.07	3288.96	32889.56
636	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	40 Window Blinds and Awnings - Spring Campaign - Non-Participant Promoted	0.00	0.00	0.00	0.00	0.00	0.00	18.43	0.00	221.65	0.00	2652.96	21271.69	0.00	71.00	71.00
637	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	41 Energy Star Qualified Compact Fluorescent - Autumn Campaign - Participant Rebated	0.00	25.30	174.9	0.00	17.69	141.55	69.39	8.00	1040.47	0.01	6049.48	60494.85	0.02	1845.14	14773.91
638	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	42 ENERGY STAR Specialty CFLs - Autumn Campaign - Participant Rebated	0.00	20.81	123.85	0.00	14.87	89.24	71.48	6.00	420.76	0.27	8755.09	52303.52	0.19	6258.07	37548.44
639	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	43 ENERGY STAR Fixtures - Autumn Campaign - Participant Rebated	0.00	119.07	1855.73	0.00	83.35	1299.01	70.00	15.58	50.22	0.19	5079.33	93186.21	0.13	4185.53	65230.35
640	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	44 Weatherstripping - adhesive foam or V-strip - Autumn Campaign - Participant Rebated	0.00	15.29	229.29	0.00	8.79	131.84	57.50	15.00	46.52	0.05	711.14	10667.14	0.03	408.91	6133.61
641	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	45 Weatherstripping - door frame kits - Autumn Campaign - Participant Rebated	0.00	17.14	257.06	0.00	9.16	137.43	53.46	15.00	30.46	0.03	521.98	7829.64	0.02	279.06	4185.95
642	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	46 Programmable Thermostat - Autumn Campaign - Participant Rebated	0.00	42.15	421.5	0.00	12.18	67.44	24.58	15.00	20.20	0.01	649.48	6494.85	0.00	51.47	514.7
643	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	47 Pipe Wrap - Autumn Campaign - Participant Rebated	0.00	6.58	39.49	0.00	2.96	17.44	44.93	6.00	17.39	0.01	114.48	686.89	0.00	43.44	308.64
644	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	48 Water Blanket - Autumn Campaign - Participant Rebated	0.00	55.77	557.75	0.00	35.11	351.13	62.95	10.00	3.86	0.02	215.52	2155.16	0.01	135.88	1356.77
645	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	49 Lighting/Appliance Controls - Autumn Campaign - Participant Rebated	0.00	21.44	365.06	0.00	15.40	262.18	71.82	17.02	35.27	0.03	756.42	12877.23	0.02	543.25	9248.19
646	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	50 Energy Star Qualified Holiday LED Lights - Autumn Campaign - Participant Promoted	0.00	13.70	685.00	0.00	8.05	40.26	58.78	5.00	123.88	0.00	1697.12	8485.58	0.00	997.49	4987.45
647	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	51 Dimmer Switches - Autumn Campaign - Participant Promoted	0.00	23.70	237.00	0.00	11.76	117.63	63.63	10.00	52.20	0.00	1237.14	12371.35	0.00	218.26	218.26
648	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	52 Solar Powered Products - Autumn Campaign - Participant Promoted	0.00	23.70	237.00	0.00	2.90	14.50	52.28	3.90	101.26	0.04	563.33	2240.33	0.02	293.48	1171.23
649	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	53 Washed laundry with cold water - Autumn Campaign - Participant Spillover	0.00	30.03	30.03	0.00	5.18	5.18	17.37	1.00	36.88	0.09	1107.43	1107.43	0.01	191.17	191.17
650	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	54 Turned off / reduced use of power to electronics - Autumn Campaign - Participant Spillover	0.00	21.29	212.9	0.00	4.12	4.12	19.76	1.00	34.02	0.06	724.36	724.36	0.01	140.31	140.31
651	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	55 Turned off / reduced use of lights - Autumn Campaign - Participant Spillover	0.01	262.80	262.80	0.00	43.38	43.38	16.51	1.00	31.68	0.26	8326.41	8326.41	0.04	1374.48	1374.48
652	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	56 Dried clothes outside or inside on racks - Autumn Campaign - Participant Spillover	0.01	74.14	74.14	0.00	9.77	9.77	13.18	1.00	22.33	0.19	1655.86	1655.86	0.02	218.26	218.26
653	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	57 Turned down the thermostat setting on my furnace - Autumn Campaign - Participant Spillover	0.00	269.82	269.82	0.00	50.55	50.55	18.73	1.00	22.33	0.00	6026.12	6026.12	0.00	1128.94	1128.94
654	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	58 Unplugged devices usually plugged into outlet - Autumn Campaign - Participant Spillover	0.01	70.19	70.19	0.00	12.76	12.76	18.19	1.00	21.04	0.13	1476.49	1476.49	0.02	268.51	268.51
655	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	59 Installed a new energy efficient appliance - Refrigerator - Autumn Campaign - Participant Spillover	0.01	64.86	908.04	0.00	15.99	223.83	24.65	14.00	21.04	0.14	1364.38	1901.29	0.03	336.32	4708.48
656	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	60 Added ceiling/attic/wall/basement insulation - Autumn Campaign - Participant Spillover	0.00	394.00	7880.05	0.00	86.85	1736.95	22.04	20.00	16.88	0.00	6650.97	133019.00	0.00	1466.03	29320.68
657	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	61 Replaced my old furnace with a high efficiency furnace - Autumn Campaign - Participant Spillover	0.19	551.98	5725.63	0.04	68.79	1031.85	18.45	15.00	15.06	2.89	5301.67	79525.06	0.56	1006.15	15542.30
658	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	62 Installed a new energy efficient appliance - Clothes washing machine - Autumn Campaign - Participant Spillover	0.05	141.79	2126.90	0.01	27.56	413.33	19.43	15.00	13.75	0.67	1951.67	29274.98	0.13	379.39	5809.14
659	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	63 Energy Star Qualified Compact Fluorescent - Autumn Campaign - Non-Participant Rebated	0.00	23.68	189.45	0.00	3.25	25.98	13.71	8.00	947.67	0.70	22441.97	179535.73	0.10	3077.40	24619.21
660	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	64 ENERGY STAR Specialty CFLs - Autumn Campaign - Non-Participant Rebated	0.00	29.97	179.81	0.00	4.51	27.09	15.06	6.00	301.03	0.28	9021.16	54126.93	0.04	1359.03	8154.19
661	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	65 ENERGY STAR Fixtures - Autumn Campaign - Non-Participant Rebated	0.00	36.46	568.28	0.00	8.81	137.23	74.15	15.58	83.91	0.10	3059.73	47685.09	0.02	738.89	11515.44
662	37	Every Kilowatt Counts Power Savings Event	Consumer	2009/Final	66 Weatherstripping - adhesive foam or V-strip - Autumn Campaign - Non-Participant Rebated	0.00	14.55	217.67	0.00	1.06	15.94	7.32	15.00	326.73	0.30	4741.21	71118.13	0.02	347.10	5206.47
663	37	Every Kilowatt Counts Power Savings Event	Consumer																	

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917	40	Toronto Comprehensive	Consumer, C	2009/Final	5	Toronto Hydro-Electric System Limited – Low Income	Custom	Custom	Custom	Custom	Custom	Custom	60.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00
918	40	Toronto Comprehensive	Consumer, C	2009/Final	6	City of Toronto – Better Building Partnership (BBP) – Existing Buildings (EB)	Custom	Custom	Custom	Custom	Custom	Custom	46.00	11.34	0.00	0.00	0.00	0.00	0.00	0.00
919	40	Toronto Comprehensive	Consumer, C	2009/Final	7	City of Toronto – Better Building Partnership (BBP) – Existing Buildings (EB)	Custom	Custom	Custom	Custom	Custom	Custom	60.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00
920	40	Toronto Comprehensive	Consumer, C	2009/Final	8	City of Toronto – Better Building Partnership (BBP) – New Construction (NC)	Custom	Custom	Custom	Custom	Custom	Custom	60.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00
921	40	Toronto Comprehensive	Consumer, C	2009/Final	9	Building Owners & Managers Association Project (BOMA) – Conservation & Der	Custom	Custom	Custom	Custom	Custom	Custom	66.00	10.32	0.00	0.00	0.00	0.00	0.00	0.00
922	41	High Performance New Construction	Business	2009/Final	1	Custom Project	Custom	Custom	Custom	Custom	Custom	Custom	70.00	20.00	0.13	11.24	25631.82	512636.41	7.87	17942.27
923	42	Power Savings Blitz	Business	2009/Final	1)	From: 1 Lamp 8" -T12-75W-Magnetic Ballasts to: 2- 4" Lamps, end to end 32 w	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
924	42	Power Savings Blitz	Business	2009/Final	2)	From: 1 Lamp 8" -T12-75W-Magnetic Ballasts to: 1- 8" lamps with 80% balla	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
925	42	Power Savings Blitz	Business	2009/Final	3)	From: 1 Lamp 8" -T12-75W-Magnetic Ballasts to: 2- 4" end to end 32 watt l	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
926	42	Power Savings Blitz	Business	2009/Final	4)	From: 2 Lamps 8" -T12-75W-Magnetic Ballasts to: 4- 4" end to end 32 watt	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
927	42	Power Savings Blitz	Business	2009/Final	5)	From: 2 Lamps 8" -T12-75W-Magnetic Ballasts to: 2- 4" 32 watt lamps + refl	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
928	42	Power Savings Blitz	Business	2009/Final	6)	From: 2 Lamps 8" -T12-60W-Magnetic Ballasts to: 4- 4" lamps with either 32	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
929	42	Power Savings Blitz	Business	2009/Final	7)	From: 2 Lamps 8" -T12-60W-Magnetic Ballasts to: 2- 4" 32 watt lamps + refl	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
930	42	Power Savings Blitz	Business	2009/Final	8)	From: 1 Lamp 8" -T12-40W-Magnetic Ballasts to: 1- 4" lamp with either 32 w	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
931	42	Power Savings Blitz	Business	2009/Final	9)	From: 2 Lamps 4" -T12-40W-Magnetic Ballasts to: 1- 4" 32 watt lamp + refl	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
932	42	Power Savings Blitz	Business	2009/Final	10)	From: 2 Lamps 4" -T12-40W-Magnetic Ballasts to: 2- 4" lamps with either 8	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
933	42	Power Savings Blitz	Business	2009/Final	11)	From: 4 Lamps 4" -T12-40W-Magnetic Ballasts to: 2- 4" 32 watt lamps + refl	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
934	42	Power Savings Blitz	Business	2009/Final	12)	From: 4 Lamps 4" -T12-40W-Magnetic Ballasts to: 4- 4" lamps with either 8	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
935	42	Power Savings Blitz	Business	2009/Final	13)	From: 1 Lamp 4" -T12-34W-Magnetic Ballasts to: 1- 4" lamp with either 32 w	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
936	42	Power Savings Blitz	Business	2009/Final	14)	From: 2 Lamps 4" -T12-34W-Magnetic Ballasts to: 1- 4" 32 watt lamp + refl	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
937	42	Power Savings Blitz	Business	2009/Final	15)	From: 2 Lamps 4" -T12-34W-Magnetic Ballasts to: 2- 4" lamps with either 8	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
938	42	Power Savings Blitz	Business	2009/Final	16)	From: 4 Lamps 4" -T12-34W-Magnetic Ballasts to: 2- 4" 32 watt lamps + refl	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
939	42	Power Savings Blitz	Business	2009/Final	17)	From: 4 Lamps 4" -T12-34W-Magnetic Ballasts to: 4- 4" lamps with either 8	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
940	42	Power Savings Blitz	Business	2009/Final	18)	From: 2 Lamps U-Shaped 34-40W-Magnetic Ballasts to: 2- U-Tube Lamps 2	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
941	42	Power Savings Blitz	Business	2009/Final	19)	From: 2 Lamps U-Shaped 34-40W-Magnetic Ballasts to: 2 Linear 2" x Reflec	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
942	42	Power Savings Blitz	Business	2009/Final	20)	From: 2-15W Lamps Exit Sign - incandescent to: 3W LED Energy Star rated	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
943	42	Power Savings Blitz	Business	2009/Final	21)	From: 2-15W Lamps Exit Sign - incandescent to: Replace entire fixture with	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
944	42	Power Savings Blitz	Business	2009/Final	22)	From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
945	42	Power Savings Blitz	Business	2009/Final	23)	From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
946	42	Power Savings Blitz	Business	2009/Final	24)	From: 100W Standard Incandescent (A Lamp) to: 23W ENERGY STAR® rate	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
947	42	Power Savings Blitz	Business	2009/Final	25)	From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rate	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
948	42	Power Savings Blitz	Business	2009/Final	26)	From: 60W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting t	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
949	42	Power Savings Blitz	Business	2009/Final	27)	From: 75W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting t	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
950	42	Power Savings Blitz	Business	2009/Final	28)	From: 100W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting t	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
951	42	Power Savings Blitz	Business	2009/Final	29)	From: 40- 60W standard incandescent PAR Lights - Track lighting or product h	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
952	42	Power Savings Blitz	Business	2009/Final	30)	From: 40- 60W standard halogen PAR Lights - Track lighting or product h	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
953	42	Power Savings Blitz	Business	2009/Final	31)	From: 75W standard incandescent PAR Lights - Track lighting or product h	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
954	42	Power Savings Blitz	Business	2009/Final	32)	From: 75W standard incandescent PAR Lights - Track lighting or product h	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
955	42	Power Savings Blitz	Business	2009/Final	33)	From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting t	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
956	42	Power Savings Blitz	Business	2009/Final	34)	From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting t	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
957	42	Power Savings Blitz	Business	2009/Final	35)	From: 100W standard incandescent or greater PAR Lights - Track lighting o	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
958	42	Power Savings Blitz	Business	2009/Final	36)	From: 100W standard incandescent or greater PAR Lights - Track lighting o	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
959	42	Power Savings Blitz	Business	2009/Final	37)	From: No Insulation Jacket (50-119 Gal) to: Insulation Jacket 5/32" barrier	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
960	42	Power Savings Blitz	Business	2009/Final	38)	From: No Insulation Jacket (12-40 Gal) to: Insulation Jacket 5/32" barrier t	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
961	42	Power Savings Blitz	Business	2009/Final	39)	From: No Pipe Insulation to: Pipe Insulation (10" flexible polyethylene in	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
962	42	Power Savings Blitz	Business	2009/Final	40)	From: Aerator (Average 2.75gpm) Low Flow Aerator (Electric Water Heat	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
963	42	Power Savings Blitz	Business	2009/Final	41)	From: Authorized Contractor Program (ACP) to: Work Order cost <\$500 (L	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
964	42	Power Savings Blitz	Business	2009/Final	42)	From: Authorized Contractor Program (ACP) to: Work Order cost <\$500 (L	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
965	42	Power Savings Blitz	Business	2009/Final	43)	From: Authorized Contractor Program (ACP) to: Work Order cost <\$2000 (L	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
966	42	Power Savings Blitz	Business	2009/Final	44)	From: Contractor (Non-Classified Location) to: First 10 devices or fraction	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
967	42	Power Savings Blitz	Business	2009/Final	45)	From: Contractor (Non-Classified Location) to: Each additional 10 devices	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
968	42	Power Savings Blitz	Business	2009/Final	46)	From: 4 Lamps 8" -T12-75W-Magnetic Ballasts to: 4- 4" 32 watt lamps + refl	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
969	42	Power Savings Blitz	Business	2009/Final	47)	From: Contractor (Non-Classified Location) - Minimum fee if the total fee	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
970	42	Power Savings Blitz	Business	2009/Final	48)	From: 2 Lamps 8" -T12-75W-Magnetic Ballasts to: 2- 8" lamps with 90% ba	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
971	42	Power Savings Blitz	Business	2009/Final	49)	From: 4 Lamps 8" -T12-75W-Magnetic Ballasts to: 4- 8" lamps with 2 elect	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
972	42	Power Savings Blitz	Business	2009/Final	50)	From: 2 Lamps 8" -T12-60W-Magnetic Ballasts to: 2- 8" 32 watt lamps + refl	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
973	42	Power Savings Blitz	Business	2009/Final	51)	From: 4 Lamps 8" -T12-60W-Magnetic Ballasts to: 4- 8" lamps with 2 elect	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
974	42	Power Savings Blitz	Business	2009/Final	52)	From: 2 Lamps 4" -T8 32W-Magnetic Ballasts to: 2- 4" 25 watt lamps with 8	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
975	42	Power Savings Blitz	Business	2009/Final	53)	From: 2- 4" T12 High Output Lamps High Output T12-Magnetic Ballasts to:	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
976	42	Power Savings Blitz	Business	2009/Final	54)	From: 2- 8" T12 High Output Lamps High Output T12-Magnetic Ballasts to:	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
977	42	Power Savings Blitz	Business	2009/Final	55)	From: 175W Metal Halide Metal Halide to: 1- 150W Metal Halide Direct	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
978	42	Power Savings Blitz	Business	2009/Final	56)	From: 400W Metal Halide Metal Halide to: 1- 350W Metal Halide Direct	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
979	42	Power Savings Blitz	Business	2009/Final	57)	From: 250W Metal Halide Metal Halide to: 4- 4" Lamps with either 32 wa	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
980	42	Power Savings Blitz	Business	2009/Final	58)	From: 400W Metal Halide Metal Halide to: 6- 4" Lamps with either 32 wa	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
981	42	Power Savings Blitz	Business	2009/Final	59)	From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
982	42	Power Savings Blitz	Business	2009/Final	60)	From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rate	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
983	42	Power Savings Blitz	Business	2009/Final	61)	From: 100W Standard Incandescent (A Lamp) to: 23W ENERGY STAR® rate	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
984	42	Power Savings Blitz	Business	2009/Final	62)	From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rate	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
985	42	Power Savings Blitz	Business	2009/Final	63)	From: 65- 75W Incandescent R Lamp Incandescent R Lamp on Dimmers to	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
986	42	Power Savings Blitz	Business	2009/Final	64)	From: 100- 150W Incandescent R Lamp Incandescent R Lamp on Dimmers	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
987	42	Power Savings Blitz	Business																	

1020	42	Power Savings Blitz	Business	2009/Final	98	31) From: 75W standard incandescent PAR Lights - Track lighting or product high	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
1021	42	Power Savings Blitz	Business	2009/Final	99	32) From: 75W standard incandescent PAR Lights - Track lighting or product high	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1022	42	Power Savings Blitz	Business	2009/Final	100	33) From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting h	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1023	42	Power Savings Blitz	Business	2009/Final	101	34) From: 90 Watt Halogen PAR Lights - Track lighting or product highlighting h	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1024	42	Power Savings Blitz	Business	2009/Final	102	35) From: 100W standard incandescent or greater PAR Lights - Track lighting o	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1025	42	Power Savings Blitz	Business	2009/Final	103	36) From: 100W standard incandescent or greater PAR Lights - Track lighting o	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1026	42	Power Savings Blitz	Business	2009/Final	104	37) From: No Insulation Jacket (50-119 Gal) to: Insulation Jacket 5/32" barrier	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1027	42	Power Savings Blitz	Business	2009/Final	105	38) From: No Insulation Jacket (12-40 Gal) to: Insulation Jacket 5/32" barrier	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1028	42	Power Savings Blitz	Business	2009/Final	106	39) From: No Pipe Insulation to: Pipe insulation (10 ft flexible polyethylene in	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1029	42	Power Savings Blitz	Business	2009/Final	107	40) From: Aerator (Average 2.75gpm) Low Flow Aerator (Electric Water Heate	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1030	42	Power Savings Blitz	Business	2009/Final	108	41) From: Authorized Contractor Program (ACP) to: Work Order cost <\$500.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1031	42	Power Savings Blitz	Business	2009/Final	109	42) From: Authorized Contractor Program (ACP) to: Work Order cost >\$500.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1032	42	Power Savings Blitz	Business	2009/Final	110	43) From: Authorized Contractor Program (ACP) to: Work Order cost >\$2000	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1033	42	Power Savings Blitz	Business	2009/Final	111	44) From: Contractor (Non-Classified Locations) to: First 10 devices or fractio	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1034	42	Power Savings Blitz	Business	2009/Final	112	45) From: Contractor (Non-Classified Locations) to: Each additional 10 device	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1035	42	Power Savings Blitz	Business	2009/Final	113	46) From: 4 Lamps 8" T12-75W-Magnetic Ballasts to: 4 - 4" 32 watt lamps + re	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1036	42	Power Savings Blitz	Business	2009/Final	114	47) From: Contractor (Non-Classified Locations) - Minimum fee if the total fee	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1037	42	Power Savings Blitz	Business	2009/Final	115	48) From: 2 Lamps 8" T12-75W-Magnetic Ballasts to: 2 - 8" Sylvania lamps + re	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1038	42	Power Savings Blitz	Business	2009/Final	116	49) From: 4 Lamps 8" T12-75W-Magnetic Ballasts to: 4 - 8" lamps with 2 elect	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1039	42	Power Savings Blitz	Business	2009/Final	117	50) From: 2 Lamps 8" T12-60W-Magnetic Ballasts to: 2 - 8" Sylvania lamps + re	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1040	42	Power Savings Blitz	Business	2009/Final	118	51) From: 4 Lamps 8" T12-60W-Magnetic Ballasts to: 4 - 8" lamps with 2 elect	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1041	42	Power Savings Blitz	Business	2009/Final	119	52) From: 2 Lamps 4" T8-32W-Magnetic Ballasts to: 2 - 4" 25 watt lamps with	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1042	42	Power Savings Blitz	Business	2009/Final	120	53) From: 2 - 4" T12 High Output Lamps High Output T12-Magnetic Ballasts to:	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1043	42	Power Savings Blitz	Business	2009/Final	121	54) From: 2 - 8" T12 High Output Lamps High Output T12-Magnetic Ballasts to:	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1044	42	Power Savings Blitz	Business	2009/Final	122	55) From: 175W Metal Halide Metal Halide to: 1 - 350W Metal Halide Direct	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1045	42	Power Savings Blitz	Business	2009/Final	123	56) From: 400W Metal Halide Metal Halide to: 1 - 350W Metal Halide Direct	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1046	42	Power Savings Blitz	Business	2009/Final	124	57) From: 250W Metal Halide Metal Halide to: 4 - 4" Lamps with either 32 wa	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1047	42	Power Savings Blitz	Business	2009/Final	125	58) From: 400W Metal Halide Metal Halide to: 6 - 4" Lamps with either 32 wa	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1048	42	Power Savings Blitz	Business	2009/Final	126	59) From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rate	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1049	42	Power Savings Blitz	Business	2009/Final	127	60) From: 60W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rate	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1050	42	Power Savings Blitz	Business	2009/Final	128	61) From: 100W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rate	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1051	42	Power Savings Blitz	Business	2009/Final	129	62) From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rate	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1052	42	Power Savings Blitz	Business	2009/Final	130	63) From: 65 - 75W Incandescent R Lamp Incandescent R Lamp on Dimmers to	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1053	42	Power Savings Blitz	Business	2009/Final	131	64) From: 100 - 150W Incandescent R Lamp Incandescent R Lamp on Dimmers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1054	42	Power Savings Blitz	Business	2009/Final	132	65) From: 40 - 60W standard halogen PAR Lights - Track lighting or product hi	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1055	42	Power Savings Blitz	Business	2009/Final	133	66) From: 4" T12 Tube Guard T12 Tube Guard to: 4" T8 Tube Guards T8-Electro	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1056	42	Power Savings Blitz	Business	2009/Final	134	67) From: 8" T12 Tube Guard T12 Tube Guard to: 8" T8 Tube Guards T8-Electro	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1057	42	Power Savings Blitz	Business	2009/Final	135	1) From: 1 Lamp 8" T12-75W-Magnetic Ballasts to: 2 - 4" Lamps, end to end 32	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1058	42	Power Savings Blitz	Business	2009/Final	136	2) From: 1 Lamp 8" T12-75W-Magnetic Ballasts to: 1 - 8" lamp with 80% ballas	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1059	42	Power Savings Blitz	Business	2009/Final	137	3) From: 1 Lamp 8" T12-75W-Magnetic Ballasts to: 2 - 4" end to end 32 watt l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1060	42	Power Savings Blitz	Business	2009/Final	138	4) From: 2 Lamps 8" T12-75W-Magnetic Ballasts to: 4 - 4" end to end 32 watt l	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1061	42	Power Savings Blitz	Business	2009/Final	139	5) From: 2 Lamps 8" T12-75W-Magnetic Ballasts to: 2 - 4" 32 watt lamps + re	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1062	42	Power Savings Blitz	Business	2009/Final	140	6) From: 2 Lamps 8" T12-60W-Magnetic Ballasts to: 4 - 4" lamps with either 32	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1063	42	Power Savings Blitz	Business	2009/Final	141	7) From: 2 Lamps 8" T12-60W-Magnetic Ballasts to: 2 - 4" 32 watt lamps + Ref	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1064	42	Power Savings Blitz	Business	2009/Final	142	8) From: 1 Lamp 8" T12-60W-Magnetic Ballasts to: 1 - 4" lamps with either 32 w	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1065	42	Power Savings Blitz	Business	2009/Final	143	9) From: 2 Lamps 4" T12-40W-Magnetic Ballasts to: 1 - 4" 32 watt lamp + Ref	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1066	42	Power Savings Blitz	Business	2009/Final	144	10) From: 2 Lamps 4" T12-40W-Magnetic Ballasts to: 2 - 4" lamps with either 8	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1067	42	Power Savings Blitz	Business	2009/Final	145	11) From: 4 Lamps 4" T12-40W-Magnetic Ballasts to: 2 - 4" 32 watt lamps + re	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1068	42	Power Savings Blitz	Business	2009/Final	146	12) From: 4 Lamps 4" T12-40W-Magnetic Ballasts to: 4 - 4" lamps with either 8	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1069	42	Power Savings Blitz	Business	2009/Final	147	13) From: 1 Lamp 4" T12-34W-Magnetic Ballasts to: 1 - 4" lamp with either 32	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1070	42	Power Savings Blitz	Business	2009/Final	148	14) From: 2 Lamps 4" T12-34W-Magnetic Ballasts to: 1 - 4" 32 watt lamp + Ref	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1071	42	Power Savings Blitz	Business	2009/Final	149	15) From: 2 Lamps 4" T12-34W-Magnetic Ballasts to: 2 - 4" lamps with either 8	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1072	42	Power Savings Blitz	Business	2009/Final	150	16) From: 4 Lamps 4" T12-34W-Magnetic Ballasts to: 2 - 4" 32 watt lamps + re	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1073	42	Power Savings Blitz	Business	2009/Final	151	17) From: 4 Lamps 4" T12-34W-Magnetic Ballasts to: 4 - 4" lamps with either 8	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1074	42	Power Savings Blitz	Business	2009/Final	152	18) From: 2 Lamps U-Shaped 34-40W-Magnetic Ballasts to: 2 U-Tube Lamps 2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1075	42	Power Savings Blitz	Business	2009/Final	153	19) From: 2 Lamps U-Shaped 34-40W-Magnetic Ballasts to: 2 Linear 2" x Refle	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1076	42	Power Savings Blitz	Business	2009/Final	154	20) From: 2-15W Lamps Exit Sign - incandescent to: 3W LED Energy Star rated	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1077	42	Power Savings Blitz	Business	2009/Final	155	21) From: 2-15W Lamps Exit Sign - incandescent to: Replace entire fixture with	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1078	42	Power Savings Blitz	Business	2009/Final	156	22) From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rate	n/a	n/a	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a							

1122	42 Power Savings Blitz	Business	2009 Final	2017] From: 8' T1 Tube Guard T12 Tube Guard To: 8' T8 Tube Guards T8-Elctric	n/a	n/a	n/a	n/a	n/a	95.00	8.56	n/a	n/a	n/a	n/a	n/a	n/a
1123	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	1 EnergyStarExitsGns - Corridor / Parking Area Energy Savings application - Multi-	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1124	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	2 FridgeLEDStriplight - Corridor / Parking Area Energy Savings application - Multi-	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1125	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	3 NonDimmCLScrew_In - Corridor / Parking Area Energy Savings application - M	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1126	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	4 NonDimmCLS par11W - Corridor / Parking Area Energy Savings application - M	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1127	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	5 NonDimmCLS par12-20W - Corridor / Parking Area Energy Savings application -	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1128	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	6 NonDimmCLS par12-20W - Corridor / Parking Area Energy Savings application -	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1129	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	7 NonDimmCLS par20-W - Corridor / Parking Area Energy Savings application - M	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1130	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	8 DimmNonDimmCL2-pin14W - Corridor / Parking Area Energy Savings applicat	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1131	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	9 DimmNonDimmCL2-pin26W - Corridor / Parking Area Energy Savings applicat	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1132	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	10 DimmNonDimmCL2-pin39W - Corridor / Parking Area Energy Savings applicat	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1133	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	11 DimmNonDimmCL4-pin14W - Corridor / Parking Area Energy Savings applicat	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1134	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	12 DimmNonDimmCL4-pin26W - Corridor / Parking Area Energy Savings applicat	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1135	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	13 DimmNonDimmCL4-pin39W - Corridor / Parking Area Energy Savings applicat	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1136	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	14 DimmCLS 0-16W - Corridor / Parking Area Energy Savings application - Multi-U	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1137	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	14 DimmCLS 17-20W - Corridor / Parking Area Energy Savings application - Multi-U	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1138	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	15 DimmCLS 21+W - Corridor / Parking Area Energy Savings application - Multi-U	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1139	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	16 StandardR8 Single - Corridor / Parking Area Energy Savings application - Multi-U	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1140	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	17 StandardR8 Two - Corridor / Parking Area Energy Savings application - Multi-U	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1141	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	18 StandardR8 Three - Corridor / Parking Area Energy Savings application - Multi-U	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1142	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	19 StandardR8 Four - Corridor / Parking Area Energy Savings application - Multi-U	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1143	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	20 RWHighT8Fixtures - Single - Corridor / Parking Area Energy Savings application -	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1144	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	21 RWHighT8Fixtures - Two - Corridor / Parking Area Energy Savings application -	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1145	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	22 RWHighT8Fixtures - Three - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1146	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	23 RWHighT8Fixtures - Four - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1147	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	24 StoMedBayT8 Four - Corridor / Parking Area Energy Savings application - Multi	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1148	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	25 MedBayT8 Six - Corridor / Parking Area Energy Savings application - Multi-Unit	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1149	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	26 MedBayT8 Light - Corridor / Parking Area Energy Savings application - Multi-U	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1150	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	27 HighMedBayT8 Four - Corridor / Parking Area Energy Savings application - Multi	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1151	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	28 HighMedBayT8 Six - Corridor / Parking Area Energy Savings application - Multi	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1152	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	29 HighMedBayT8 Eight - Corridor / Parking Area Energy Savings application - Multi	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1153	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	30 TSixture 1-Lamp - Corridor / Parking Area Energy Savings application - Multi-U	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1154	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	31 TSixture 2-Lamps - Corridor / Parking Area Energy Savings application - Multi-U	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1155	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	32 TSixture Single - Corridor / Parking Area Energy Savings application - Multi-U	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1156	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	33 TSixture HO1Lamp - Corridor / Parking Area Energy Savings application - Multi	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1157	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	34 TSixture HO2Lamp - Corridor / Parking Area Energy Savings application - Multi	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1158	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	35 TSMedHighFixture 4Lamp - Corridor / Parking Area Energy Savings application	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1159	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	36 TSMedHighFixture 6Lamp - Corridor / Parking Area Energy Savings application	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1160	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	37 TSMedHighFixture 8Lamp - Corridor / Parking Area Energy Savings application	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1161	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	38 TSMedHighFixture 10Lamp - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1162	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	39 TSMedHighFixture 12Lamp - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1163	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	40 PulseStart_MetalHalide - Corridor / Parking Area Energy Savings application - M	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1164	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	41 InfraRedHalogen 25W - Corridor / Parking Area Energy Savings application - M	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1165	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	42 InfraRedHalogen 26-35W - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1166	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	43 InfraRedHalogen 36-48W - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1167	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	44 InfraRedHalogen 49-60W - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1168	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	45 Self-BallastedMetalHalide120W - Corridor / Parking Area Energy Savings applic	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1169	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	46 Self-BallastedMetalHalide50W - Corridor / Parking Area Energy Savings applic	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1170	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	47 MetalHalide 350W - Corridor / Parking Area Energy Savings application - Multi	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1171	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	48 MetalHalide 350W - Corridor / Parking Area Energy Savings application - Multi	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1172	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	49 HighPressure 225W - Corridor / Parking Area Energy Savings application - Multi	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1173	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	50 ElecBallast_MetalHde200-W - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1174	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	51 ElecBallast_MetalHde250-300W - Corridor / Parking Area Energy Savings applic	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1175	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	52 ElecBallast_MetalHde300-W - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1176	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	53 ElecBallast_HighPres200-W - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1177	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	54 ElecBallast_HighPres250W - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1178	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	55 ElecBallast_HighPres300W - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1179	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	56 ElecBallast_HighPres300W - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1180	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	57 ElecBallast_HighPres300W - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1181	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	58 OcSen_SwitchPlate - Corridor / Parking Area Energy Savings application - Multi	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1182	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	59 OcSen_CeilingMounted - Corridor / Parking Area Energy Savings application -	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1183	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	60 TempControls InsulateHeater - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1184	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	61 TempControls InsulateCool - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1185	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	62 TempControls HeartCool - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1186	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	63 ECH_AirFange - Corridor / Parking Area Energy Savings application - Multi-U	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1187	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	64 GroundSource_LowNoise - Corridor / Parking Area Energy Savings application - M	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1188	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	65 GroundSource_HighNoise - Corridor / Parking Area Energy Savings application -	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1189	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	66 GroundSource_Average - Corridor / Parking Area Energy Savings application - M	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1190	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	67 Non-ElectricChillers - Corridor / Parking Area Energy Savings application - Multi	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1191	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	68 NonStarWater - Corridor / Parking Area Energy Savings application - Multi-Unit	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1192	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	69 NaturalGasDryer - Insulate - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1193	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	70 NaturalGasDryer Common - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1194	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	71 EnergyStar_DishWasher - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1195	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	72 EnergyStar_Fridge - Corridor / Parking Area Energy Savings application - Multi-U	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1196	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	73 EnergyStar_CeilingFan - Corridor / Parking Area Energy Savings application - M	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1197	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	74 Non-ElectricWaterHeater - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1198	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	75 SolarHotWaterCollector - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1199	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	76 Non-ElectricTankHotWater - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1200	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	77 DrainWaterHeatRecovery - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a	n/a	n/a	n/a
1201	43 Multi-Family Energy Efficiency Rebates	Consumer	2009 Final	78 DomesticHotWaterRecirc - Corridor / Parking Area Energy Savings applicatio	n/a	n/a	n/a	n/a	n/a	100.00	12.06	n/a	n/a	n/a			

1638	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	5 Smart Power Bars-Spring Campaign (Rebated)	0.00	21.42	428.40	0.00	7.68	153.51	0.36	20.00	2.89	0.00	61.90	1237.99	0.00	22.18	443.61	
1639	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	6 Lighting Controls-Spring Campaign (Rebated)	0.00	20.59	205.92	0.00	6.75	67.54	0.33	10.00	70.66	0.05	1455.02	14550.17	0.01	477.25	4772.45	
1640	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	7 Energy Star Qualified Windows-Spring Campaign (Promoted)	0.14	140.70	1260.70	0.00	71.33	440.00	0.01	10.00	1038.74	0.00	1538.74	1380.66	0.79	780.14	702.37	
1641	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	8 Energy Star Qualified Dehumidifiers-Spring Campaign (Promoted)	0.02	284.00	3408.00	0.01	113.04	1356.45	0.40	12.00	9.86	0.24	2799.70	33596.38	0.10	1114.34	13372.02	
1642	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	9 Programmable Thermostat-Spring Campaign (Promoted)	0.06	121.36	1820.46	0.02	36.41	546.14	0.30	15.00	15.71	0.93	1906.80	28601.93	0.28	572.04	8580.58	
1643	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	10 Solar Power Products-Spring Campaign (Promoted)	0.00	3.16	4.54	0.00	1.49	2.14	0.47	1.44	89.57	0.00	282.74	406.93	0.00	133.17	191.66	
1644	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	11 Window Blinds and Awnings-Spring Campaign (Promoted)	0.04	40.61	406.05	0.01	12.10	120.96	0.30	10.00	65.85	2.90	2673.81	26738.12	0.87	796.51	7965.14	
1645	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	12 Turned off / reduced use of lights-Spill-over Actions - Spring	0.00	0.00	0.00	0.00	10.23	10.23	0.00	1.00	n/a	0.00	0.00	0.00	0.01	349.75	349.75	
1646	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	13 Turned off / reduced use of power to electronics-Spill-over Actions - Spring	0.00	0.00	0.00	0.00	1.42	1.42	0.00	1.00	n/a	0.00	0.00	0.00	0.00	37.95	37.95	
1647	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	14 Washed laundry with cold water-Spill-over Actions - Spring	0.00	0.00	0.00	0.00	1.24	1.24	0.00	1.00	n/a	0.00	0.00	0.00	0.00	31.03	31.03	
1648	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	15 Turned down the thermostat setting on my furnace-Spill-over Actions - Spring	0.00	0.00	0.00	0.00	9.29	9.29	0.00	1.00	n/a	0.00	0.00	0.00	0.00	181.69	181.69	
1649	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	16 Installed compact fluorescent lights that were not rebated-Spill-over Actions - Spring	0.00	0.00	0.00	0.00	5.75	46.00	0.00	8.00	n/a	0.00	0.00	0.00	0.00	104.52	836.12	
1650	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	17 Dried clothes inside on a rack-Spill-over Actions - Spring	0.00	0.00	0.00	0.00	3.86	3.86	0.00	1.00	n/a	0.00	0.00	0.00	0.01	59.40	59.40	
1651	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	18 Unplugged devices usually plugged into outlet-Spill-over Actions - Spring	0.00	0.00	0.00	0.00	6.79	6.79	0.00	1.00	n/a	0.00	0.00	0.00	0.00	101.91	101.91	
1652	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	19 Sealed around windows / doors-Spill-over Actions - Spring	0.00	0.00	0.00	0.00	2.96	44.33	0.00	15.00	n/a	0.00	0.00	0.00	0.00	36.19	542.87	
1653	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	20 Installed a programmable thermostat-Spill-over Actions - Spring	0.00	0.00	0.00	0.00	9.44	141.57	0.00	15.00	n/a	0.00	0.00	0.00	0.01	87.96	1319.33	
1654	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	21 Installed LED lights-Spill-over Actions - Spring	0.00	0.00	0.00	0.00	1.82	14.58	0.00	8.00	n/a	0.00	0.00	0.00	0.00	15.87	126.93	
1655	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	22 Energy Star Specialty CFLs-Fall Campaign (Rebated)	0.00	21.33	127.97	0.00	13.02	78.15	0.61	6.00	200.90	0.13	4284.87	25709.20	0.08	2616.63	15699.75	
1656	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	23 Energy Star Futures-Fall Campaign (Rebated)	0.00	140.60	2189.42	0.00	62.49	973.07	0.44	15.57	13.26	0.06	1864.27	29029.41	0.03	828.57	12901.96	
1657	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	24 Weatherstripping - adhesive foam or V-strip-Fall Campaign (Rebated)	0.00	9.25	138.75	0.00	3.44	51.58	0.37	15.00	46.07	0.03	426.16	6392.46	0.01	158.42	2376.33	
1658	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	25 Weatherstripping - door frame kits-Fall Campaign (Rebated)	0.00	14.75	221.21	0.00	6.52	97.74	0.44	15.00	30.12	0.03	444.15	6662.23	0.01	196.23	2943.50	
1659	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	26 Baseboard Programmable Thermostat-Fall Campaign (Rebated)	0.00	63.15	947.25	0.00	37.89	568.35	0.40	15.00	9.86	0.00	622.49	9337.31	0.00	373.49	5602.38	
1660	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	27 Pipe Wrap-Fall Campaign (Rebated)	0.00	6.76	40.56	0.00	2.42	14.51	0.36	6.00	22.76	0.01	153.83	922.95	0.00	55.04	330.21	
1661	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	28 Water Blanket-Fall Campaign (Rebated)	0.00	55.77	557.75	0.00	32.23	322.25	0.58	10.00	3.81	0.02	212.68	2126.76	0.00	122.88	1228.80	
1662	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	29 Lighting Controls-Fall Campaign (Rebated)	0.00	25.98	259.83	0.00	15.20	152.00	0.59	10.00	50.05	0.04	1299.44	12994.44	0.02	760.17	7601.75	
1663	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	30 Power Bar-Fall Campaign (Rebated)	0.00	13.22	264.46	0.00	9.12	182.47	0.69	20.00	6.49	0.00	85.87	1717.31	0.00	59.25	1184.94	
1664	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	31 Programmable Thermostat-Fall Campaign (Promoted)	0.06	118.90	1783.56	0.01	26.58	398.68	0.22	15.00	24.87	1.51	2956.91	44535.71	0.34	660.96	9913.46	
1665	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	32 Solar Powered Products-Fall Campaign (Promoted)	0.00	2.01	2.14	0.00	0.51	0.55	0.26	1.06	40.72	0.00	81.84	87.04	0.00	20.92	22.24	
1666	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	33 Window Sealing Kits-Fall Campaign (Promoted)	0.00	3.03	30.29	0.00	0.55	5.51	0.18	10.00	45.70	0.00	138.42	1384.19	0.00	25.17	251.67	
1667	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	34 Turned off / reduced use of lights-Spill-over Actions - Fall	0.00	0.00	0.00	0.00	20.75	20.75	0.00	1.00	n/a	0.00	0.00	0.00	0.00	127.25	127.25	
1668	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	35 Turned off / reduced use of power to electronics-Spill-over Actions - Fall	0.00	0.00	0.00	0.00	5.58	5.58	0.00	1.04	n/a	0.00	0.00	0.00	0.02	262.09	262.09	
1669	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	36 Washed laundry with cold water-Spill-over Actions - Fall	0.00	0.00	0.00	0.00	1.81	1.81	0.00	1.00	n/a	0.00	0.00	0.00	0.01	81.07	81.07	
1670	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	37 Turned down the thermostat setting on my furnace-Spill-over Actions - Fall	0.00	0.00	0.00	0.00	11.66	11.66	0.00	1.00	n/a	0.00	0.00	0.00	0.00	471.18	471.18	
1671	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	38 Sealed around windows / doors-Spill-over Actions - Fall	0.00	0.00	0.00	0.00	5.20	78.04	0.00	15.00	n/a	0.00	0.00	0.00	0.00	164.95	2474.26	
1672	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	39 Unplugged devices usually plugged into outlet-Spill-over Actions - Fall	0.00	0.00	0.00	0.00	18.69	18.69	0.00	1.00	n/a	0.00	0.00	0.00	0.00	546.46	546.46	
1673	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	40 Installed compact fluorescent lights that were not those rebated by the Power	0.00	0.00	0.00	0.00	7.95	63.62	0.00	8.00	n/a	0.00	0.00	0.00	0.01	224.55	1799.60	
1674	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	41 Dried clothes inside on a rack-Spill-over Actions - Fall	0.00	0.00	0.00	0.00	4.67	4.67	0.00	1.00	n/a	0.00	0.00	0.00	0.01	129.29	129.29	
1675	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	42 Energy Star Specialty CFLs-Non-Participant Campaign Products	0.00	0.00	0.00	0.00	1.20	7.20	0.00	6.00	n/a	0.00	0.00	0.00	0.01	379.19	2275.15	
1676	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	43 Energy Star Futures-Non-Participant Campaign Products	0.00	0.00	0.00	0.00	10.52	163.79	0.00	15.57	n/a	0.00	0.00	0.00	0.02	495.54	7736.28	
1677	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	44 Weatherstripping - adhesive foam or V-strip-Non-Participant Campaign Products	0.00	44.00	0.00	0.00	4.83	0.00	0.00	0.00	n/a	0.00	0.00	0.00	0.00	62.12	621.21	
1678	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	45 Weatherstripping - door frame kits-Non-Participant Campaign Products	0.00	20.00	0.00	0.00	0.24	3.56	0.00	15.00	n/a	0.00	0.00	0.00	0.00	23.24	348.63	
1679	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	46 Baseboard Programmable Thermostat-Non-Participant Campaign Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	n/a	0.00	0.00	0.00	0.00	0.00	0.00	
1680	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	47 Pipe Wrap-Non-Participant Campaign Products	0.00	0.00	0.00	0.00	0.02	0.13	0.00	6.00	n/a	0.00	0.00	0.00	0.00	2.09	12.54	
1681	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	48 Water Blanket-Non-Participant Campaign Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	n/a	0.00	0.00	0.00	0.00	0.00	0.00	
1682	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	49 Lighting Controls-Non-Participant Campaign Products	0.00	0.00	0.00	0.00	0.85	8.45	0.00	10.00	n/a	0.00	0.00	0.00	0.00	62.12	621.21	
1683	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	50 Power Bar-Non-Participant Campaign Products	0.00	0.00	0.00	0.00	0.52	10.47	0.00	20.00	n/a	0.00	0.00	0.00	0.00	35.84	716.82	
1684	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	51 Programmable Thermostat-Fall Campaign (Non-Participant Promoted)	0.00	0.00	0.00	0.01	20.03	300.40	0.00	15.00	n/a	0.00	0.00	0.00	0.43	754.76	11321.42	
1685	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	52 Solar Powered Products-Fall Campaign (Non-Participant Promoted)	0.00	0.00	0.00	0.00	0.29	0.31	0.00	1.06	n/a	0.00	0.00	0.00	0.00	31.02	32.99	
1686	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	53 Window Sealing Kits-Fall Campaign (Non-Participant Promoted)	0.00	0.00	0.00	0.00	0.12	1.20	0.00	10.00	n/a	0.00	0.00	0.00	0.00	11.83	118.33	
1687	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	54 Energy Star 4.0 & 5.0 Television Program	0.00	166.58	832.91	0.00	56.43	282.17	0.34	5.00	296.37	0.32	49369.38	246846.88	0.11	16725.14	83625.68	
1688	55	Every Kilowatt Counts Power Savings Event	Consumer	2010/Final	55 Energy Star 4.0 & 5.0 Television Program - Spillover Actions	0.00	0.00	0.00	0.00	13.11	19.15	0.00	1.45	n/a	0.00	0.00	0.00	0.08	232.42	339.55	
1689	56	peaksave+	Consumer, B	2010/Final	1 Residential Air Conditioner - Switch	0.62	2.46	31.93	0.56	2.21	28.74	90.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1690	56	peaksave+	Consumer, B	2010/Final	2 Residential Air Conditioner - Thermostat	0.62	2.46	31.93	0.56	2.21	28.74	90.00	13.00	19.00	11.82	46.67	606.67	10.64	42.00	546.00	
1691	56	peaksave+	Consumer, B	2010/Final	3 Commercial Air Conditioner - Switch	0.71	7.20	93.58	0.64	6.48	84.22	90.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1692	56	peaksave+	Consumer, B	2010/Final	4 Commercial Air Conditioner - Thermostat	0.71	7.20	93.58	0.64	6.48	84.22	90.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1693	57	Electricity Retrofit Incentive	Consumer, C	2010/Final	1 Business Project	Custom	Custom	Custom	Custom	Custom	Custom	0.52	9.23	6.00	92.44	537151.00	4956125.19	48.32	271904.43	2508768.28	
1694	57	Electricity Retrofit Incentive	Consumer, C	2010/Final	2 Multi-Family Project	Custom	Custom	Custom	Custom	Custom	Custom	0.62	8.14	0.00	0.74	5669.81	46168.46	0.49	3451.19	28102.54	
1695	58	Toronto Comprehensive	Consumer, C	2010/Final	1 Toronto Hydro-Electric System Limited - Business Incentive Program (BIP) - Cor	Custom	Custom	Custom	Custom	Custom	Custom	70.00	9.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1696	58	Toronto Comprehensive	Consumer, C																		

1741	60 Power Savings Blitz	Business	2010/Final	4137) From: No Insulation Jacket (65 Gal) to: Insulation Jacket 5/32" barrier bulb	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1742	60 Power Savings Blitz	Business	2010/Final	4237) From: No Insulation Jacket (50 Gal) to: Insulation Jacket 5/32" barrier bulb	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1743	60 Power Savings Blitz	Business	2010/Final	4337) From: No Insulation Jacket (40 Gal) to: Insulation Jacket 5/32" barrier bulb	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1744	60 Power Savings Blitz	Business	2010/Final	4438) From: No Insulation Jacket (30 Gal) to: Insulation Jacket 5/32" barrier bulb	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1745	60 Power Savings Blitz	Business	2010/Final	4538) From: No Insulation Jacket (20 Gal) to: Insulation Jacket 5/32" barrier bulb	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1746	60 Power Savings Blitz	Business	2010/Final	4638) From: No Insulation Jacket (12 Gal) to: Insulation Jacket 5/32" barrier bulb	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1747	60 Power Savings Blitz	Business	2010/Final	4739) From: No Pipe Insulation to: Pipe insulation (10 ft flexible polyethylene ins	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1748	60 Power Savings Blitz	Business	2010/Final	4840) From: Aerator (Average 2.75gpm) Low Flow Aerator (Electric Water Heater	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1749	60 Power Savings Blitz	Business	2010/Final	4941) From: Authorized Contractor Program (ACP) to: Work Order cost <\$5000	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1750	60 Power Savings Blitz	Business	2010/Final	5042) From: Authorized Contractor Program (ACP) to: Work Order cost >\$5000	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1751	60 Power Savings Blitz	Business	2010/Final	5143) From: Authorized Contractor Program (ACP) to: Work Order cost >\$2000	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1752	60 Power Savings Blitz	Business	2010/Final	5244) From: Contractor (Non-Classified Locations) to: First 10 devices or fraction	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1753	60 Power Savings Blitz	Business	2010/Final	5345) From: Contractor (Non-Classified Locations) to: Each additional 10 devices	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1754	60 Power Savings Blitz	Business	2010/Final	5446) From: 4 Lamps 8" T12-75W-Magnetic Ballasts to: 4 - 4" 32 watt lamps + r	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1755	60 Power Savings Blitz	Business	2010/Final	5547) From: Contractor (Non-Classified Locations) - Minimum fee if the total fee	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1756	60 Power Savings Blitz	Business	2010/Final	5648) From: 2 Lamps 8" T12-75W-Magnetic Ballasts to: 2 - 8" lamps with 90% ba	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1757	60 Power Savings Blitz	Business	2010/Final	5749) From: 4 Lamps 8" T12-75W-Magnetic Ballasts to: 4 - 8" lamps with 2 elect	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1758	60 Power Savings Blitz	Business	2010/Final	5850) From: 2 Lamps 8" T12-60W-Magnetic Ballasts to: 2 - 8" 59watt lamps + r	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1759	60 Power Savings Blitz	Business	2010/Final	5951) From: 8 T12 Tube Guard 8 T12 Tube Guards 78-Elctric	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1760	60 Power Savings Blitz	Business	2010/Final	6052) From: 2 Lamps 4" -T18 32W-Magnetic Ballasts to: 2 - 4" 25 watt lamps with	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1761	60 Power Savings Blitz	Business	2010/Final	6153) From: 2 - 4" T12 High Output Lamps High Output T12-Magnetic Ballasts to:	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1762	60 Power Savings Blitz	Business	2010/Final	6254) From: 2 - 8" T12 High Output Lamps High Output T12-Magnetic Ballasts to:	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1763	60 Power Savings Blitz	Business	2010/Final	6355) From: 175W Metal Halide Metal Halide to: 1 - 150W Metal Halide Direct	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1764	60 Power Savings Blitz	Business	2010/Final	6456) From: 400W Metal Halide Metal Halide to: 1 - 350W Metal Halide Direct	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1765	60 Power Savings Blitz	Business	2010/Final	6557) From: 250W Metal Halide Metal Halide to: 4 - 4" Lamps with either 32 wa	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1766	60 Power Savings Blitz	Business	2010/Final	6658) From: 400W Metal Halide Metal Halide to: 6 - 4" Lamps with either 32 wa	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1767	60 Power Savings Blitz	Business	2010/Final	6759) From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1768	60 Power Savings Blitz	Business	2010/Final	6860) From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1769	60 Power Savings Blitz	Business	2010/Final	6961) From: 100W Standard Incandescent (A Lamp) to: 23W ENERGY STAR® rated	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1770	60 Power Savings Blitz	Business	2010/Final	7062) From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rated	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1771	60 Power Savings Blitz	Business	2010/Final	7163) From: 65 - 75W Incandescent R Lamp Incandescent R Lamp on Dimmers to	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1772	60 Power Savings Blitz	Business	2010/Final	7264) From: 100 - 150W Incandescent R Lamp Incandescent R Lamp on Dimmers	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1773	60 Power Savings Blitz	Business	2010/Final	7365) From: 40 - 60W standard halogen PAR Lights - Track lighting or product hig	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1774	60 Power Savings Blitz	Business	2010/Final	7466) From: 4 T12 Tube Guard T12 Tube Guard to: 4 T8 Tube Guards T8-Elctric	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1775	60 Power Savings Blitz	Business	2010/Final	7567) From: 8 T12 Tube Guard 8 T12 Tube Guards 78-Elctric	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1776	60 Power Savings Blitz	Business	2010/Final	7611) From: 1 Lamp 8" T12-75W-Magnetic Ballasts to: 2 - 4" Lamps, end to end 5	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1777	60 Power Savings Blitz	Business	2010/Final	7721) From: 1 Lamp 8" T12-75W-Magnetic Ballasts to: 1 - 8" lamp with 80% balla	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1778	60 Power Savings Blitz	Business	2010/Final	7831) From: 1 Lamp 8" T12-75W-Magnetic Ballasts to: 2 - 4" end to end 25 watt l	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1779	60 Power Savings Blitz	Business	2010/Final	7941) From: 2 Lamps 8" T12-75W-Magnetic Ballasts to: 4 - 4" end to end 32 watt	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1780	60 Power Savings Blitz	Business	2010/Final	8052) From: 2 Lamps 8" T12-75W-Magnetic Ballasts to: 2 - 4" 32 watt lamps + r	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1781	60 Power Savings Blitz	Business	2010/Final	8153) From: 2 Lamps 8" T12-60W-Magnetic Ballasts to: 4 - 4" lamps with either 32	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1782	60 Power Savings Blitz	Business	2010/Final	8271) From: 2 Lamps 8" T12-60W-Magnetic Ballasts to: 2 - 4" 32 watt lamps + r	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1783	60 Power Savings Blitz	Business	2010/Final	8318) From: 1 Lamp 4" T12-40W-Magnetic Ballasts to: 1 - 4" lamp with either 32	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1784	60 Power Savings Blitz	Business	2010/Final	8419) From: 2 Lamps 4" T12-40W-Magnetic Ballasts to: 1 - 4" 32 watt lamp + r	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1785	60 Power Savings Blitz	Business	2010/Final	8510) From: 2 Lamps 4" T12-40W-Magnetic Ballasts to: 2 - 4" lamps with either	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1786	60 Power Savings Blitz	Business	2010/Final	8611) From: 2 Lamps 4" T12-40W-Magnetic Ballasts to: 2 - 4" 32 watt lamps + r	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1787	60 Power Savings Blitz	Business	2010/Final	8712) From: 4 Lamps 4" T12-40W-Magnetic Ballasts to: 4 - 4" lamps with either	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1788	60 Power Savings Blitz	Business	2010/Final	8813) From: 1 Lamp 4" T12-34W-Magnetic Ballasts to: 1 - 4" lamp with either 32	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1789	60 Power Savings Blitz	Business	2010/Final	8914) From: 2 Lamps 4" T12-34W-Magnetic Ballasts to: 1 - 4" 32 watt lamp + r	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1790	60 Power Savings Blitz	Business	2010/Final	9015) From: 2 Lamps 4" T12-34W-Magnetic Ballasts to: 2 - 4" lamps with either	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1791	60 Power Savings Blitz	Business	2010/Final	9116) From: 4 Lamps 4" T12-34W-Magnetic Ballasts to: 2 - 4" 32 watt lamps + r	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1792	60 Power Savings Blitz	Business	2010/Final	9217) From: 4 Lamps 4" T12-34W-Magnetic Ballasts to: 4 - 4" lamps with either	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1793	60 Power Savings Blitz	Business	2010/Final	9318) From: 2 Lamps U-Shaped -40W-Magnetic Ballasts to: 2 U-Tube Lamps 2" -	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1794	60 Power Savings Blitz	Business	2010/Final	9418) From: 2 Lamps U-Shaped -34W-Magnetic Ballasts to: 2 U-Tube Lamps 2" -	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1795	60 Power Savings Blitz	Business	2010/Final	9519) From: 2 Lamps U-Shaped -40W-Magnetic Ballasts to: 2 Linear 2" -Reflector	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1796	60 Power Savings Blitz	Business	2010/Final	9610) From: 2 Lamps U-Shaped -34W-Magnetic Ballasts to: 2 Linear 2" -Reflector	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1797	60 Power Savings Blitz	Business	2010/Final	9720) From: 2-15W Lamps Exit Sign - incandescent to: 3W LED Energy Star rated	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1798	60 Power Savings Blitz	Business	2010/Final	9821) From: 2-15W Lamps Exit Sign - incandescent to: Replace entry fixture with	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1799	60 Power Savings Blitz	Business	2010/Final	9922) From: 40W Standard Incandescent (A Lamp) to: 11W ENERGY STAR® rated	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1800	60 Power Savings Blitz	Business	2010/Final	10023) From: 60W Standard Incandescent (A Lamp) to: 13W ENERGY STAR® rated	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1801	60 Power Savings Blitz	Business	2010/Final	10124) From: 100W Standard Incandescent (A Lamp) to: 23W ENERGY STAR® rated	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1802	60 Power Savings Blitz	Business	2010/Final	10225) From: 150W Standard Incandescent (A Lamp) to: 28W ENERGY STAR® rated	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1803	60 Power Savings Blitz	Business	2010/Final	10326) From: 60W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1804	60 Power Savings Blitz	Business	2010/Final	10427) From: 75W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1805	60 Power Savings Blitz	Business	2010/Final	10528) From: 100W PAR38/30 PAR Lights - Flood or Spot - recessed down lighting to	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1806	60 Power Savings Blitz	Business	2010/Final	10629) From: 40- 60W standard incandescent PAR Lights - Track lighting or product	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1807	60 Power Savings Blitz	Business	2010/Final	10730) From: 40 - 60W standard halogen PAR Lights - Track lighting or product hig	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1808	60 Power Savings Blitz	Business	2010/Final	10831) From: 75W standard incandescent PAR Lights - Track lighting or product hig	n/a	n/a	n/a	n/a	n/a	n/a	99.00	7.67	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1809	60 Power Savings Blitz	Business	2010/F																	

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APPENDIX D
OPA RESULTS 2011

Table 3: OPA Province-Wide Evaluation Findings

#	Initiative	OPA Province-Wide Key Evaluation Findings
Consumer Program		
1	Appliance Retirement	* Overall participation continues to decline year over year * Participation declined 17% from 2010 (from over 67,000 units in 2010 to over 56,000 units in 2011) * 97% of net resource savings achieved through the home pick-up stream * Measure Breakdown: 66% refrigerators, 30% freezers, 4% Dehumidifiers and window air conditioners * 3% of net resource savings achieved through the Retailer pick-up stream * Measure Breakdown: 90% refrigerators, 10% freezers * Net-to-Gross ratio for the initiative was 50% * Measure-level free ridership ranges from 82% for the retailer pick-up stream to 49% for the home pick-up stream * Measure-level spillover ranges from 3.7% for the retailer pick-up stream to 1.7% for the home pick-up stream
2	Appliance Exchange	* Overall eligible units exchanged declined by 36% from 2010 (from over 5,700 units in 2010 to * Measure Breakdown: 75% window air conditioners, 25% dehumidifiers * Dehumidifiers and window air conditioners contributed almost equally to the net energy * Dehumidifiers provide more than three times the energy savings per unit than window air conditioners * Window air conditioners contributed to 64% of the net peak demand savings achieved * Approximately 96% of consumers reported having replaced their exchanged units (as opposed to retiring the unit) * Net-to-Gross ratio for the initiative is consistent with previous evaluations (51.5%)
3	HVAC Incentives	* Total air conditioner and furnace installations increased by 14% (from over 95,800 units in 2010 to over 111,500 units in 2011) * Measure Breakdown: 64% furnaces, 10% tier 1 air conditioners (SEER 14.5) and 26% tier 2 air conditioners (SEER 15) * Measure breakdown did not change from 2010 to 2011 * The HVAC Incentives initiative continues to deliver the majority of both the energy (45%) and demand (83%) savings in the consumer program * Furnaces accounted for over 91% of energy savings achieved for this initiative * Net-to-Gross ratio for the initiative was 17% higher than 2010 (from 43% in 2010 to 60% in * Increase due in part to the removal of programmable thermostats from the program, and an increase in the net-to-gross ratio for both Furnaces and Tier 2 air conditioners (SEER 15)
4	Conservation Instant Coupon Booklet	* Customers redeemed nearly 210,000 coupons, translating to nearly 560,000 products * Majority of coupons redeemed were downloadable (~40%) or LDC-branded (~35%) * Majority of coupons redeemed were for multi-packs of standard spiral CFLs (37%), followed by multi-packs of specialty CFLs (17%) * Per unit savings estimates and net-to-gross ratios for 2011 are based on a weighted average of 2009 and 2010 evaluation findings * Careful attention in the 2012 evaluation will be made for standard CFLs since it is believed that the market has largely been transformed
		* Customers redeemed nearly 370,000 coupons, translating to over 870,000 products * Majority of coupons redeemed were for multi-packs of standard spiral CFLs (49%), followed by multi-packs of specialty CFLs (16%)

#	Initiative	OPA Province-Wide Key Evaluation Findings
5	Bi-Annual Retailer Event	* Per unit savings estimates and net-to-gross ratios for 2011 are based on a weighted average of 2009 and 2010 evaluation findings * Standard CFLs and heavy duty outdoor timers were reintroduced to the initiative in 2011 and contributed more than 64% of the initiative's 2011 net annual energy savings * While the volume of coupons redeemed for heavy duty outdoor timers was relatively small (less than 1%), the measure accounted for 10% of net annual savings due to high per unit savings * Careful attention in the 2012 evaluation will be made for standard CFLs since it is believed that the market has largely been transformed.
6	Retailer Co-op	* Initiative was not evaluated in 2011 due to low uptake. Verified Bi-Annual Retailer Event per unit assumptions and free-ridership rates were used to calculate net resource savings
7	Residential Demand Response	* Approximately 20,000 new devices were installed in 2011 * 99% of the new devices enrolled controlled residential central AC (CAC) * 2011 only saw 1 atypical event (in both weather and timing) that had limited participation * The ex ante impact developed through the 2009/2010 evaluations was maintained for 2011; residential CAC: 0.56 kW/device, commercial CAC: 0.64 kW/device, and Electric Water Heaters: 0.30 kW/device
8	Residential New Construction	* Initiative was not evaluated in 2011 due to limited uptake * Business case assumptions were used to calculate savings
Business Program		
9	Efficiency: Equipment Replacement	* Gross verified energy savings were boosted by lighting projects in the prescriptive and * Lighting projects overall were determined to have a realization rate of 112%; 116% when including interactive energy changes * On average, the evaluation found high realization rates as a result of both longer operating hours and larger wattage reductions than initial assumptions * Low realization rates for engineered lighting projects due to overstated operating hour assumptions * Custom non-lighting projects suffered from process issues such as: the absence of required M&V plans, the use of inappropriate assumptions, and the lack of adherence to the M&V plan * The final realization rate for summer peak demand was 94% * 84% was a result of different methodologies used to calculate peak demand savings * 10% due to the benefits from reduced air conditioning load in lighting retrofits * Overall net-to-gross ratios in the low 70's represent an improvement over the 2009 and Strict eligibility requirements and improvements in the pre-approval process contributed to the improvement in net-to-gross ratios
10	Direct Install Lighting	* Though overall performance is above expectations, participation continues to decline year over year as the initiative reaches maturity * 70% of province-wide resource savings persist to 2014 * Over 35% of the projects for 2011 included at least one CFL measure * Resource savings from CFLs in the commercial sector only persist for the industry standard of 3 years * Since 2009 the overall realization rate for this program has improved * 2011 evaluation recorded the highest energy realization rate to date at 89.5%

#	Initiative	OPA Province-Wide Key Evaluation Findings
		* The hours of use values were held constant from the 2010 evaluation and continue to be the main driver of energy realization rate * Lights installed in “as needed” areas (e.g., bathrooms, storage areas) were determined to have very low realization rates due to the difference in actual energy saved vs. reported savings
11	Existing Building Commissioning Incentive	* Initiative was not evaluated in 2011, no completed projects in 2011
12	New Construction and Major Renovation Incentive	* Initiative was not evaluated in 2011 due to low uptake * Assumptions used are consistent with preliminary reporting based on the 2010 Evaluation findings and consultation with the C&I Work Group (100% realization rate and 50% net-to-gross ratio)
13	Energy Audit	* The evaluation is ongoing. The sample size for 2011 was too small to draw reliable conclusions.
14	Commercial Demand Response (part of the Residential program schedule)	* See residential demand response (#7)
15	Demand Response 3 (part of the Industrial program schedule)	* See Demand Response 3 (#20)
Industrial Program		
16	Process & System Upgrades	* Initiative was not evaluated in 2011, no completed projects in 2011
17	Monitoring & Targeting	* Initiative was not evaluated in 2011, no completed projects in 2011
18	Energy Manager	* Initiative was not evaluated in 2011, no completed projects in 2011
19	Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)	* See Efficiency: Equipment Replacement (#9)
20	Demand Response 3	* Program performance for Tier 1 customers increased with DR-3 participants providing 75% * Industrial customers outperform commercial customers by provide 84% and 76% of contracted MW, respectively * Program continues to diversify but still remains heavily concentrated with less than 5% of * By increasing the number of contributors in each settlement account and implementation of the new baseline methodology the performance of the program is expected to increase
Home Assistance Program		
21	Home Assistance Program	* Initiative was not evaluated in 2011 due to low uptake * Business Case assumptions were used to calculate savings
Pre-2011 Programs completed in 2011		

#	Initiative	OPA Province-Wide Key Evaluation Findings
22	Electricity Retrofit Incentive Program	* Initiative was not evaluated - Net-to-Gross ratios used are consistent with the 2010 evaluation findings (multifamily buildings 99% realization rate and 62% net-to-gross ratio and C&I buildings 77% realization rate and 52% net-to-gross ratio)
23	High Performance New Construction	* Initiative was not evaluated - Net-to-Gross ratios used are consistent with the 2010 evaluation findings (realization rate of 100% and net-to-gross ratio of 50%)
24	Toronto Comprehensive	* Initiative was not evaluated - Net-to-Gross ratios used are consistent with the 2010 evaluation findings
25	Multifamily Energy Efficiency Rebates	* Initiative was not evaluated - Net-to-Gross ratios used are consistent with the 2010 evaluation findings
26	Data Centre Incentive Program	* Initiative was not evaluated
27	EnWin Green Suites	* Initiative was not evaluated

Table 5: Summarized Program Results

Program				Gross Savings				Net Savings	
				Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)			Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program Total				150	434,625			92	298,493
Business Program Total				644	590,799			487	432,780
Industrial Program Total				296	88,120			248	70,635
Home Assistance Program Total				0	0			0	0
Pre-2011 Programs completed in 2011 Total				138	683,554			72	355,421
Total OPA Contracted Province-Wide CDM Programs				1,228	1,797,098			898	1,157,328

#	Initiative	Realization Rate		Gross Savings		Net-to-Gross Ratio		Net Savings	
		Peak Demand Savings	Energy Savings	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)	Peak Demand Savings	Energy Savings	Incremental Peak Demand Savings (kW)	Incremental Energy Savings (kWh)
Consumer Program									
1	Appliance Retirement	100%	100%	11	79,360	51%	51%	5	39,565
2	Appliance Exchange	100%	100%	1	1,581	52%	52%	1	815
3	HVAC Incentives	100%	100%	133	259,453	60%	60%	80	154,791
4	Conservation Instant Coupon Booklet	100%	100%	2	37,201	114%	111%	3	41,018
5	Bi-Annual Retailer Event	100%	100%	3	57,030	113%	110%	4	62,306
6	Retailer Co-op	-	-	0	0	-	-	0	0
7	Residential Demand Response	0%	0%	0	0	-	-	0	0
8	Residential New Construction	-	-	0	0	-	-	0	0
Business Program									
9	Efficiency: Equipment Replacement	102%	111%	94	514,982	69%	71%	65	361,262
10	Direct Install Lighting	108%	90%	20	60,151	93%	93%	22	55,853
11	Existing Building Commissioning Incentive	-	-	0	0	-	-	0	0
12	New Construction and Major Renovation Incentive	-	-	0	0	-	-	0	0
13	Energy Audit	-	-	0	0	-	-	0	0
14	Commercial Demand Response (part of the Residential program schedule)	0%	0%	0	0	-	-	0	0
15	Demand Response 3 (part of the Industrial program schedule)	76%	100%	529	15,665	n/a	n/a	400	15,665
Industrial Program									
16	Process & System Upgrades	-	-	0	0	-	-	0	0
17	Monitoring & Targeting	-	-	0	0	-	-	0	0
18	Energy Manager	-	-	0	0	-	-	0	0
19	Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)	93%	135%	11	74,021	75%	76%	8	56,536
20	Demand Response 3	84%	100%	285	14,099	n/a	n/a	240	14,099
Home Assistance Program									
21	Home Assistance Program	-	-	0	0	-	-	0	0
Pre-2011 Programs completed in 2011									
22	Electricity Retrofit Incentive Program	77%	77%	138	682,177	52%	52%	72	354,732
23	High Performance New Construction	100%	100%	0	1,377	50%	50%	0	688
24	Toronto Comprehensive	-	-	0	0	-	-	0	0
25	Multifamily Energy Efficiency Rebates	-	-	0	0	-	-	0	0
26	Data Centre Incentive Program	-	-	0	0	-	-	0	0
27	EnWin Green Suites	-	-	0	0	-	-	0	0

Assumes demand response resources have a persistence of 1 year

Program	Contribution to Targets	
	Program-to-Date: Net Annual Peak Demand Savings (kW) in 2014	Program-to-Date: 2011-2014 Net Cumulative Energy Savings (kWh)
Consumer Program Total	91	1,193,607
Business Program Total	83	1,672,080
Industrial Program Total	8	240,243
Home Assistance Program Total	0	0
Pre-2011 Programs completed in 2011 Total	72	1,421,682
Total OPA Contracted Province-Wide CDM Programs	254	4,527,612

#	Initiative	Contribution to Targets	
		Program-to-Date: Net Annual Peak Demand Savings (kW) in 2014	Program-to-Date: 2011-2014 Net Cumulative Energy Savings (kWh)
Consumer Program			
1	Appliance Retirement	5	158,056
2	Appliance Exchange	0	3,094
3	HVAC Incentives	80	619,163
4	Conservation Instant Coupon Booklet	3	164,072
5	Bi-Annual Retailer Event	4	249,222
6	Retailer Co-op	0	0
7	Residential Demand Response	0	0
8	Residential New Construction	0	0
Business Program			
9	Efficiency: Equipment Replacement	65	1,445,047
10	Direct Install Lighting	18	211,368
11	Existing Building Commissioning Incentive	0	0
12	New Construction and Major Renovation Incentive	0	0
13	Energy Audit	0	0
14	Commercial Demand Response (part of the Residential program schedule)	0	0
15	Demand Response 3 (part of the Industrial program schedule)	0	15,665
Industrial Program			
16	Process & System Upgrades	0	0
17	Monitoring & Targeting	0	0
18	Energy Manager	0	0
19	Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)	8	226,144
20	Demand Response 3	0	14,099
Home Assistance Program			
21	Home Assistance Program	0	0
Pre-2011 Programs completed in 2011			
22	Electricity Retrofit Incentive Program	72	1,418,929
23	High Performance New Construction	0	2,753
24	Toronto Comprehensive	0	0
25	Multifamily Energy Efficiency Rebates	0	0
26	Data Centre Incentive Program	0	0
27	EnWin Green Suites	0	0

Assumes demand response resources have a persistence of 1 year

Progress Towards CDM Targets

Results are attributed to target using current OPA reporting policies. Energy efficiency resources persist for the duration of the effective useful life. Any upcoming code changes are taken into account. Demand response resources persist for 1 year. Please see methodology tab for more detailed information.

Yellow cells are intended for the LDC to input information to complete their OEB Reporting Template.

Table 6: Net Peak Demand Savings at the End User Level (MW)

Implementation Period	Annual			
	2011	2012	2013	2014
2011 - Verified	0.90	0.26	0.26	0.25
2012				
2013				
2014				0.00
Verified Net Annual Peak Demand Savings Persisting in 2014:				0.25
Orangeville Hydro Limited 2014 Annual CDM Capacity Target:				2.78
Verified Portion of Peak Demand Savings Target Achieved in 2014(%):				9.13%
LDC Milestone submitted for 2011				-%
Variance				

Table 7: Net Energy Savings at the End User Level (GWh)

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011 - Verified	1.16	1.13	1.13	1.12	4.53
2012					
2013					
2014					
Verified Net Cumulative Energy Savings 2011-2014:					4.53
Orangeville Hydro Limited 2011-2014 Cumulative CDM Energy Target:					11.82
Verified Portion of Cumulative Energy Target Achieved (%):					38.30%
LDC Milestone submitted for 2011					-%
Variance					

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APPENDIX E
OPA RESULTS 2012



Message from the Vice President:

The OPA is pleased to provide you with the enclosed Final 2012 Results Report. We have seen a 39% increase in energy savings for our new province-wide 2011-2014 suite of saveONenergy initiatives. Overall progress to targets is moving up with 29% of demand and 65% of energy savings achieved. Many LDCs, both large and small, continue to stay on track to meet or exceed their OEB targets. Conservation programs continue to be a valuable and cost effective resource for customers across the province, over the past two years the program cost to consumers remains within 3 cents per kWh.

Further to programmatic savings, capability building efforts launched in 2011 are yielding healthy enabled savings through Embedded Energy Managers and Audit initiative projects. The strong momentum continues in 2013.

We remain committed to ensuring LDCs are successful in meeting their objectives and our collective efforts to date have improved the current program suite by offering more local program opportunities, implementing a new expedited change management process, and enhancing incentives to make it easier for customers to participate in programs. We invite you to continue to provide your feedback to us and to celebrate our successes as we move forward.

The format of this report was developed in collaboration with the OPA-LDC Reporting and Evaluation Working Group and is designed to help populate LDC annual report templates that will be submitted to the OEB in late September. All results are now considered final for 2012. Any additional 2012 program activity not captured will be reported in the Final 2013 Results Report.

Please continue to monitor saveONenergy E-blasts for any further updates and should you have any other questions or comments please contact LDC.Support@powerauthority.on.ca.

We appreciate your ongoing collaboration and cooperation throughout the reporting and evaluation process. We look forward to another successful year.

Sincerely,

Andrew Pride

Table of Contents		
1.0 Summary	Provides a "snapshot" of your LDC's OPA-Contracted Province-Wide Program performance to date: progress to target using 2 scenarios, sector breakdown and progress against the LDC community.	4
2.0 LDC-Specific Data	Table formats, section references and table numbers align with the OEB Reporting Template.	5
2.1 LDC - Results	Provides LDC-specific initiative-level results (activity, net and gross peak demand and energy savings, and how each initiative contributes to target).	5
2.2 LDC - Adjustments to Previous Year	Provides LDC specific initiative level true-up results from previous year (activity, net and gross peak demand and energy savings, and how each initiative contributes to target).	6
2.3 LDC - NTGs	Provides LDC-specific initiative-level realization rates and net-to-gross ratios.	7
2.4 LDC - Summary	Provides a portfolio level view of achievement towards your OEB targets to date. Contains space to input LDC-specific progress to milestones set out in your CDM Strategy.	8
3.0 Province-Wide Data	LDC performance in aggregate (province-wide results)	9
3.1 Provincial - Results	Provides province-wide initiative level results (activity, net and gross peak demand and energy savings, and how each initiative contributes to target).	9
3.2 Provincial - True-up	Provides province-wide initiative level true-up results from previous year (activity, net and gross peak demand and energy savings, and how each initiative contributes to target).	10
3.3 Provincial NTGs	Provides provincial realization rates and net-to-gross ratios.	11
3.4 Provincial - Summary	Provides a portfolio level view of provincial achievement towards province-wide OEB targets to date.	12
4.0 Methodology	Provides key equations, notes and an initiative-level breakdown of: how savings are attributed to LDCs, when the savings are considered to 'start' (i.e. what period the savings are attributed to) and how the savings are calculated.	13
5.0 Reference Tables	Provides the sector mapping used for Retrofit and the allocation methodology table used in the consumer program when customer specific information is unavailable.	22
6.0 Glossary	Contains definitions for terms used throughout the report.	26

OPA-Contracted Province-Wide CDM Programs FINAL 2012 Results

LDC: Orangeville Hydro Limited

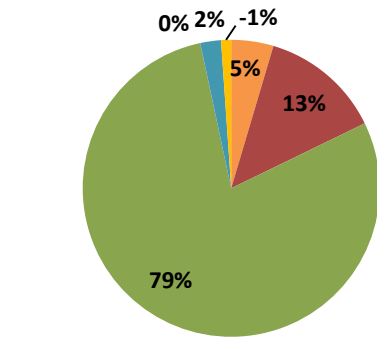
FINAL 2012 Progress to Targets	2012 Incremental	Program-to-Date Progress to Target (Scenario 1)	Scenario 1: % of Target Achieved	Scenario 2: % of Target Achieved
Net Annual Peak Demand Savings (MW)	1.3	0.5	17.2%	57.3%
Net Energy Savings (GWh)	1.0	7.3	61.9%	62.3%

Scenario 1 = Assumes that demand resource resources have a persistence of 1 year

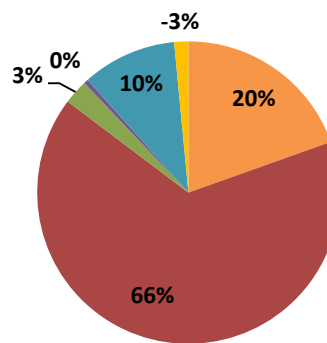
Scenario 2 = Assumes that demand response resources remain in your territory until 2014

Achievement by Sector

2012 Incremental Peak Demand Savings (MW)



2012 Incremental Energy Savings (GWh)

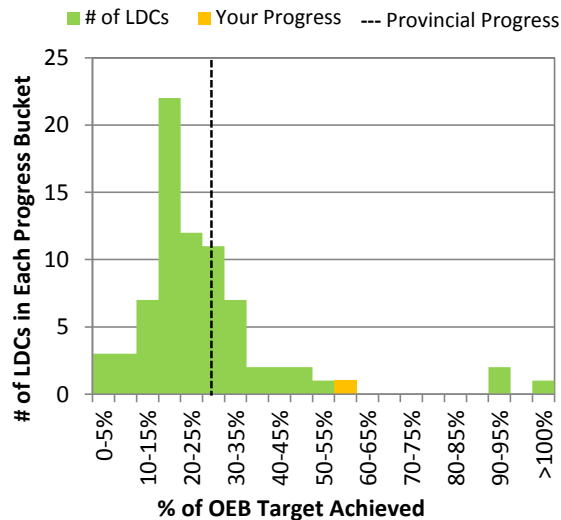


Consumer Business Industrial HAP Pre-2011 True-up

Comparison: Your Achievement vs. LDC Community Achievement (Progress to Target)

The following graphs assume that demand response resources remain in your territory until 2014 (aligns with Scenario 2)

% of OEB Peak Demand Savings Target Achieved



% of OEB Energy Savings Target Achieved

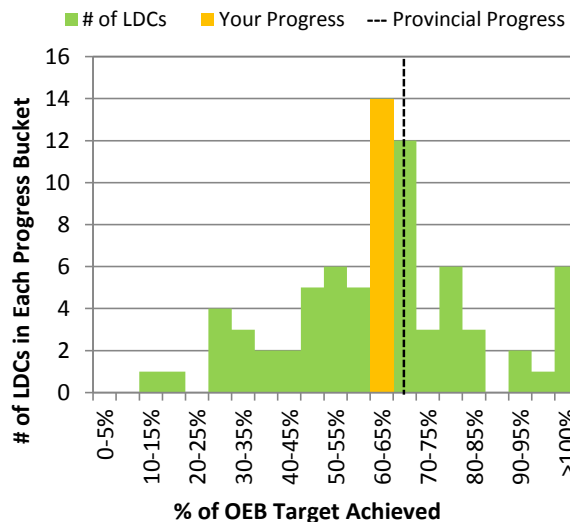


Table 1: **Orangeville Hydro Limited** Initiative and Program Level Savings by Year (Scenario 1)

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
														2014	2014
Consumer Program															
Appliance Retirement	Appliances	97	89			5	5			39,565	35,917			10	265,808
Appliance Exchange	Appliances	5	3			1	0			815	735			1	5,300
HVAC Incentives	Equipment	245	219			80	54			154,791	97,940			133	912,982
Conservation Instant Coupon Booklet	Items	1,092	65			3	0			41,018	2,964			3	172,965
Bi-Annual Retailer Event	Items	1,845	2,249			4	3			62,306	56,781			7	419,565
Retailer Co-op	Items	0	0			0	0			0	0			0	0
Residential Demand Response (switch/pstat)	Devices	0	0			0	0			0	0			0	0
Residential Demand Response (IHD)	Devices	0	0			0				0					
Residential New Construction	Homes	0	0			0	0			0	0			0	0
Consumer Program Total						92	63			298,493	194,338			154	1,776,620
Business Program															
Retrofit	Projects	6	12			65	88			361,262	416,936			153	2,695,854
Direct Install Lighting	Projects	23	67			22	58			55,853	235,793			76	918,748
Building Commissioning	Buildings	0	0			0	0			0	0			0	0
New Construction	Buildings	0	0			0	0			0	0			0	0
Energy Audit	Audits	0	0			0	0			0	0			0	0
Small Commercial Demand Response	Devices	0	0			0	0			0	0			0	0
Small Commercial Demand Response (IHD)	Devices	0	0			0				0				0	0
Demand Response 3	Facilities	3	2			401	34			15,665	498			0	16,163
Business Program Total						488	181			432,780	653,227			229	3,630,765
Industrial Program															
Process & System Upgrades	Projects	0	0			0	0			0	0			0	0
Monitoring & Targeting	Projects	0	0			0	0			0	0			0	0
Energy Manager	Projects	0	0			0	0			0	0			0	0
Retrofit	Projects	2				8				56,536				8	226,144
Demand Response 3	Facilities	1	1			240	1,080			14,099	26,025			0	40,124
Industrial Program Total						248	1,080			70,635	26,025			8	266,268
Home Assistance Program															
Home Assistance Program	Homes	0	3			0	0			0	4,865			0	14,596
Home Assistance Program Total						0	0			0	4,865			0	14,596
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	8	0			72	0			354,732	0			72	1,418,929
High Performance New Construction	Projects	0	1			0	31			688	100,276			31	303,582
Toronto Comprehensive	Projects	0	0			0	0			0	0			0	0
Multifamily Energy Efficiency Rebates	Projects	0	0			0	0			0	0			0	0
LDC Custom Programs	Projects	0	0			0	0			0	0			0	0
Pre-2011 Programs completed in 2011 Total						72	31			355,421	100,276			103	1,722,510
Other															
Program Enabled Savings	Projects	0	0			0	0			0	0			0	0
Time-of-Use Savings	Homes														
Other Total							0				0			0	0
Adjustments to Previous Year's Verified Results							-15				-23,654			-15	-94,614
Energy Efficiency Total						258	241			1,127,564	952,208			494	7,354,472
Demand Response Total (Scenario 1)						641	1,114			29,764	26,523			0	56,287
OPA-Contracted LDC Portfolio Total (inc. Adjustments)						900	1,340			1,157,328	955,078			479	7,316,145
Activity & savings for Demand Response resources for each year and quarter represent the savings from all active facilities or devices contracted since January 1, 2011.		Due to the limited timeframe of data, which didn't include the summer months, 2012 IHD results have been deemed inconclusive. The IHD line item on the 2012 annual report will be left blank. Once a full year of data is available (2013 evaluation), and the savings are quantified, 2012 results will be updated to reflect the quantified savings.								Full OEB Target:				2,780	11,820,000
										% of Full OEB Target Achieved to Date (Scenario 1):				17.2%	61.9%

Table 2: Adjustments to **Orangeville Hydro Limited** Verified Results due to Errors or Omissions (Scenario 1)

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
														2014	2014
Consumer Program															
Appliance Retirement	Appliances	0				0				0				0	0
Appliance Exchange	Appliances	0				0				0				0	0
HVAC Incentives	Equipment	-50				-15				-28,867				-15	-115,468
Conservation Instant Coupon Booklet	Items	17				0				584				0	2,338
Bi-Annual Retailer Event	Items	173				0				4,629				0	18,516
Retailer Co-op	Items	0				0				0				0	0
Residential Demand Response (switch/pstat)*	Devices	0				0				0				0	0
Residential Demand Response (IHD)	Devices	0				0				0				0	0
Residential New Construction	Homes	0				0				0				0	0
Consumer Program Total						-15				-23,654				-15	-94,614
Business Program															
Retrofit	Projects	0				0				0				0	0
Direct Install Lighting	Projects	0				0				0				0	0
Building Commissioning	Buildings	0				0				0				0	0
New Construction	Buildings	0				0				0				0	0
Energy Audit	Audits	0				0				0				0	0
Small Commercial Demand Response (switch/pstat)*	Devices	0				0				0				0	0
Small Commercial Demand Response (IHD)	Devices	0				0				0				0	0
Demand Response 3*	Facilities	0				0				0				0	0
Business Program Total						0				0				0	0
Industrial Program															
Process & System Upgrades	Projects	0				0				0				0	0
Monitoring & Targeting	Projects	0				0				0				0	0
Energy Manager	Projects	0				0				0				0	0
Retrofit	Projects	0				0				0				0	0
Demand Response 3*	Facilities	0				0				0				0	0
Industrial Program Total						0				0				0	0
Home Assistance Program															
Home Assistance Program	Homes	0				0				0				0	0
Home Assistance Program Total						0				0				0	0
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	0				0				0				0	0
High Performance New Construction	Projects	0				0				0				0	0
Toronto Comprehensive	Projects	0				0				0				0	0
Multifamily Energy Efficiency Rebates	Projects	0				0				0				0	0
LDC Custom Programs	Projects	0				0				0				0	0
Pre-2011 Programs completed in 2011 Total						0				0				0	0
Other															
Program Enabled Savings	Projects	0				0				0				0	0
Time-of-Use Savings	Homes														
Other Total						0				0				0	0
Adjustments to Previous Year's Verified Results						-15				-23,654				-15	-94,614

* Activity & savings for Demand Response resources for each year and quarter represent the savings from all active facilities or devices contracted since January 1, 2011.

Table 3: Orangeville Hydro Limited Realization Rate & NTG

Initiative	Peak Demand Savings								Energy Savings							
	Realization Rate				Net-to-Gross Ratio				Realization Rate				Net-to-Gross Ratio			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program																
Appliance Retirement		1.00				0.47				1.00				0.47		
Appliance Exchange		1.00				0.52				1.00				0.52		
HVAC Incentives		1.00				0.49				1.00				0.49		
Conservation Instant Coupon Booklet		1.00				1.00				1.00				1.05		
Bi-Annual Retailer Event		1.00				0.91				1.00				0.92		
Retailer Co-op		n/a				n/a				n/a				n/a		
Residential Demand Response (switch/pstat)*		n/a				n/a				n/a				n/a		
Residential Demand Response (IHD)		n/a				n/a				n/a				n/a		
Residential New Construction		n/a				n/a				n/a				n/a		
Business Program																
Retrofit		0.96				0.78				1.18				0.80		
Direct Install Lighting		0.68				0.94				0.85				0.94		
Building Commissioning		n/a				n/a				n/a				n/a		
New Construction		n/a				n/a				n/a				n/a		
Energy Audit		n/a				n/a				n/a				n/a		
Small Commercial Demand Response (switch/pstat)*		n/a				n/a				n/a				n/a		
Small Commercial Demand Response (IHD)		n/a				n/a				n/a				n/a		
Demand Response 3*		n/a				n/a				n/a				n/a		
Industrial Program																
Process & System Upgrades		n/a				n/a				n/a				n/a		
Monitoring & Targeting		n/a				n/a				n/a				n/a		
Energy Manager		n/a				n/a				n/a				n/a		
Retrofit																
Demand Response 3*		n/a				n/a				n/a				n/a		
Home Assistance Program																
Home Assistance Program		1.23				1.00				1.01				1.00		
Pre-2011 Programs completed in 2011																
Electricity Retrofit Incentive Program		n/a				n/a				n/a				n/a		
High Performance New Construction		1.00				0.50				1.00				0.50		
Toronto Comprehensive		n/a				n/a				n/a				n/a		
Multifamily Energy Efficiency Rebates		n/a				n/a				n/a				n/a		
LDC Custom Programs		n/a				n/a				n/a				n/a		
Other																
Program Enabled Savings		n/a				n/a				n/a				n/a		
Time-of-Use Savings		n/a				n/a				n/a				n/a		

Progress Towards CDM Targets

Results are attributed to target using current OPA reporting policies. Energy efficiency resources persist for the duration of the effective useful life. Any upcoming code changes are taken into account. Demand response resources persist for 1 year. Please see methodology tab for more detailed information.

Table 4: Net Peak Demand Savings at the End User Level (MW)

Implementation Period	Annual			
	2011	2012	2013	2014
2011 - Verified	0.9	0.3	0.3	0.3
2012 - Verified		1.3	0.2	0.2
2013				
2014				
Verified Net Annual Peak Demand Savings Persisting in 2014:				0.5
Orangeville Hydro Limited 2014 Annual CDM Capacity Target				2.8
Verified Portion of Peak Demand Savings Target Achieved in 2014(%):				17.2%

Table 5: Net Energy Savings at the End User Level (GWh)

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011 - Verified	1.2	1.1	1.1	1.1	4.5
2012 - Verified		1.0	0.9	0.9	2.8
2013					
2014					
Verified Net Cumulative Energy Savings 2011-2014:					7.3
Orangeville Hydro Limited 2011-2014 Annual CDM Energy Target					11.8
Verified Portion of Cumulative Energy Target Achieved (%):					61.9%

*2011 energy adjustments included in cumulative energy savings.

Table 6: Province-Wide Initiatives and Program Level Savings by Year

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
														2014	2014
Consumer Program															
Appliance Retirement	Appliances	56,110	34,146			3,299	2,011			23,005,812	13,424,518			5,171	132,176,857
Appliance Exchange	Appliances	3,688	3,836			371	556			450,187	974,621			689	4,512,525
HVAC Incentives	Equipment	111,587	85,221			32,037	19,060			59,437,670	32,841,283			51,097	336,274,530
Conservation Instant Coupon Booklet	Items	559,462	30,891			1,344	230			21,211,537	1,398,202			1,575	89,040,754
Bi-Annual Retailer Event	Items	870,332	1,060,901			1,681	1,480			29,387,468	26,781,674			3,161	197,894,897
Retailer Co-op	Items	152	0			0	0			2,652	0			0	10,607
Residential Demand Response (switch/pstat)*	Devices	19,550	98,388			10,947	49,038			24,870	359,408			0	384,279
Residential Demand Response (IHD)	Devices	0	49,689			0				0					
Residential New Construction	Homes	7	19			0	2			743	17,152			2	54,430
Consumer Program Total						49,681	72,377			133,520,941	75,796,859			61,696	760,348,879
Business Program															
Retrofit	Projects	2,516	5,605			24,467	61,147			136,002,258	314,922,468			84,018	1,480,647,459
Direct Install Lighting	Projects	20,297	18,494			23,724	15,284			61,076,701	57,345,798			31,181	391,072,869
Building Commissioning	Buildings	0	0			0	0			0	0			0	0
New Construction	Buildings	10	69			123	764			411,717	1,814,721			888	7,091,031
Energy Audit	Audits	103	280			0	1,450			0	7,049,351			1,450	21,148,054
Small Commercial Demand Response	Devices	132	294			84	187			157	1,068			0	1,224
Small Commercial Demand Response (IHD)	Devices	0	0			0				0				0	0
Demand Response 3*	Facilities	145	151			16,218	19,389			633,421	281,823			0	915,244
Business Program Total						64,617	98,221			198,124,253	381,415,230			117,535	1,900,875,881
Industrial Program															
Process & System Upgrades	Projects	0	0			0	0			0	0			0	0
Monitoring & Targeting	Projects	0	0			0	0			0	0			0	0
Energy Manager	Projects	0	39			0	1,086			0	7,372,108			1,086	22,116,324
Retrofit	Projects	433				4,615				28,866,840				4,613	115,462,282
Demand Response 3*	Facilities	124	185			52,484	74,056			3,080,737	1,784,712			0	4,865,449
Industrial Program Total						57,098	75,141			31,947,577	9,156,820			5,699	142,444,054
Home Assistance Program															
Home Assistance Program	Homes	46	5,033			2	566			39,283	5,442,232			569	16,483,831
Home Assistance Program Total						2	566			39,283	5,442,232			569	16,483,831
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	2,016	0			21,662	0			121,138,219	0			21,662	484,552,876
High Performance New Construction	Projects	145	69			5,098	3,251			26,185,591	11,901,944			8,349	140,448,197
Toronto Comprehensive	Projects	577	0			15,805	0			86,964,886	0			15,805	347,859,545
Multifamily Energy Efficiency Rebates	Projects	110	0			1,981	0			7,595,683	0			1,981	30,382,733
LDC Custom Programs	Projects	8	0			399	0			1,367,170	0			399	5,468,679
Pre-2011 Programs completed in 2011 Total						44,945	3,251			243,251,550	11,901,944			48,195	1,008,712,030
Other															
Program Enabled Savings	Projects	0	16			0	2,304			0	1,188,362			2,304	3,565,086
Time-of-Use Savings	Homes														
Other Total							2,304				1,188,362			2,304	3,565,086
Adjustments to Previous Year's Verified Results							1,406				18,689,081			1,156	73,918,598
Energy Efficiency Total						136,610	109,191			603,144,419	482,474,435			235,998	3,826,263,564
Demand Response Total (Scenario 1)						79,733	142,670			3,739,185	2,427,011			0	6,166,196
OPA-Contracted LDC Portfolio Total (inc. Adjustments)						216,343	253,267			606,883,604	503,590,526			237,154	3,906,348,358
* Activity & savings for Demand Response resources for each year and quarter represent the savings from all active facilities or devices contracted since January 1, 2011.		Due to the limited timeframe of data, which didn't include the summer months, 2012 IHD results have been deemed inconclusive. The IHD line item on the 2012 annual report will be left blank. Once a full year of data is available (2013 evaluation), and the savings are quantified, 2012 results will be updated to reflect the quantified savings.								Full OEB Target:				1,330,000	6,000,000,000
										% of Full OEB Target Achieved to Date (Scenario 1):				17.8%	65.1%

Table 7: Adjustments to Province-Wide Verified Results due to Errors & Omissions (Scenario 1)

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW) 2014	2011-2014 Net Cumulative Energy Savings (kWh) 2014
Consumer Program															
Appliance Retirement	Appliances	0				0				0				0	0
Appliance Exchange	Appliances	0				0				0				0	0
HVAC Incentives	Equipment	-18,866				-5,278				-9,721,817				-5,278	-38,887,267
Conservation Instant Coupon Booklet	Items	8,216				16				275,655				16	1,102,621
Bi-Annual Retailer Event	Items	81,817				108				2,183,391				108	8,733,563
Retailer Co-op	Items	0				0				0				0	0
Residential Demand Response (switch/pstat)*	Devices	0				0				0				0	0
Residential Demand Response (IHD)	Devices	0				0				0				0	0
Residential New Construction	Homes	19				1				13,767				1	55,069
Consumer Program Total						-5,153				-7,249,004				-5,153	-28,996,015
Business Program															
Retrofit	Projects	303				3,204				16,216,165				3,083	64,398,674
Direct Install Lighting	Projects	444				501				1,250,388				372	4,624,945
Building Commissioning	Buildings	0				0				0				0	0
New Construction	Buildings	12				828				3,520,620				828	14,082,482
Energy Audit	Audits	93				481				2,341,392				481	9,365,567
Small Commercial Demand Response (switch/pstat)*	Devices	0				0				0				0	0
Small Commercial Demand Response (IHD)	Devices	0				0				0				0	0
Demand Response 3*	Facilities	0				0				0				0	0
Business Program Total						5,014				23,328,565				4,764	92,471,668
Industrial Program															
Process & System Upgrades	Projects	0				0				0				0	0
Monitoring & Targeting	Projects	0				0				0				0	0
Energy Manager	Projects	0				0				0				0	0
Retrofit	Projects	0				0				0				0	0
Demand Response 3*	Facilities	0				0				0				0	0
Industrial Program Total						0				0				0	0
Home Assistance Program															
Home Assistance Program	Homes	0				0				0				0	0
Home Assistance Program Total						0				0				0	0
Pre-2011 Programs completed in 2011															
Electricity Retrofit Incentive Program	Projects	12				138				545,536				138	2,182,145
High Performance New Construction	Projects	34				1,407				2,065,200				1,407	8,260,800
Toronto Comprehensive	Projects	0				0				0				0	0
Multifamily Energy Efficiency Rebates	Projects	0				0				0				0	0
LDC Custom Programs	Projects	0				0				0				0	0
Pre-2011 Programs completed in 2011 Total						1,545				2,610,736				1,545	10,442,945
Other															
Program Enabled Savings	Projects	0				0				0				0	0
Time-of-Use Savings	Homes														
Other Total						0				0				0	0
Adjustments to Previous Year's Verified Results						1,406				18,690,297				1,156	73,918,598

* Activity & savings for Demand Response resources for each year and quarter represent the savings from all active facilities or devices contracted since January 1, 2011.

Table 8: Province-Wide Realization Rate & NTG

Initiative	Peak Demand Savings								Energy Savings							
	Realization Rate				Net-to-Gross Ratio				Realization Rate				Net-to-Gross Ratio			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
Consumer Program																
Appliance Retirement		1.00				0.46				1.00				0.47		
Appliance Exchange		1.00				0.52				1.00				0.52		
HVAC Incentives		1.00				0.50				1.00				0.49		
Conservation Instant Coupon Booklet		1.00				1.00				1.00				1.05		
Bi-Annual Retailer Event		1.00				0.91				1.00				0.92		
Retailer Co-op		n/a				n/a				n/a				n/a		
Residential Demand Response (switch/pstat)*		n/a				n/a				n/a				n/a		
Residential Demand Response (IHD)		n/a				n/a				n/a				n/a		
Residential New Construction		3.65				0.49				7.17				0.49		
Business Program																
Retrofit		0.93				0.75				1.05				0.76		
Direct Install Lighting		0.69				0.94				0.85				0.94		
Building Commissioning		n/a				n/a				n/a				n/a		
New Construction		0.98				0.49				0.99				0.49		
Energy Audit		n/a				n/a				n/a				n/a		
Small Commercial Demand Response (switch/pstat)*		n/a				n/a				n/a				n/a		
Small Commercial Demand Response (IHD)		n/a				n/a				n/a				n/a		
Demand Response 3*		n/a				n/a				n/a				n/a		
Industrial Program																
Process & System Upgrades		n/a				n/a				n/a				n/a		
Monitoring & Targeting		n/a				n/a				n/a				n/a		
Energy Manager		1.16				0.90				1.16				0.90		
Retrofit																
Demand Response 3*		n/a				n/a				n/a				n/a		
Home Assistance Program																
Home Assistance Program		0.32				1.00				0.99				1.00		
Pre-2011 Programs completed in 2011																
Electricity Retrofit Incentive Program		n/a				n/a				n/a				n/a		
High Performance New Construction		1.00				0.50				1.00				0.50		
Toronto Comprehensive		n/a				n/a				n/a				n/a		
Multifamily Energy Efficiency Rebates		n/a				n/a				n/a				n/a		
LDC Custom Programs		n/a				n/a				n/a				n/a		
Other																
Program Enabled Savings		1.06				1.00				2.26				1.00		
Time-of-Use Savings		n/a				n/a				n/a				n/a		

Summary - Provincial Progress

Table 9: Province-Wide Net Peak Demand Savings at the End User Level (MW)

Implementation Period	Annual			
	2011	2012	2013	2014
2011	216.3	136.6	135.8	129.0
2012		253.3	109.8	108.2
2013				
2014				
Verified Net Annual Peak Demand Savings in 2014:				237.2
2014 Annual CDM Capacity Target				1,330
Verified Peak Demand Savings Target Achieved - 2011 (%):				17.8%

Table 10: Province-Wide Net Energy Savings at the End-User Level (GWh)

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011	606.9	603.0	601.0	582.3	2,393
2012		503.6	498.4	492.6	1,513
2013					
2014					
Verified Net Cumulative Energy Savings 2011-2014:					3,906
2011-2014 Cumulative CDM Energy Target:					6,000
Verified Portion of Energy Target Achieved - 2011 (%):					65.1%

*2011 energy adjustments included in cumulative energy savings.

METHODOLOGY

All results are at the end-user level (not including transmission and distribution losses)

EQUATIONS

Prescriptive Measures and Projects	Gross Savings = Activity * Per Unit Assumption Net Savings = Gross Savings * Net-to-Gross Ratio All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)
Engineered and Custom Projects	Gross Savings = Reported Savings * Realization Rate Net Savings = Gross Savings * Net-to-Gross Ratio All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)
Demand Response	Peak Demand: Gross Savings = Net Savings = contracted MW at contributor level * Provincial contracted to ex ante ratio Energy: Gross Savings = Net Savings = provincial ex post energy savings * LDC proportion of total provincial contracted MW All savings are annualized (i.e. the savings are the same regardless of the time of year a participant began offering DR)
Adjustments to Previous Year's Verified Results	All errors and omissions from the prior years Final Annual Results report will be adjusted within this report. Any errors and omissions with regards to projects counts, data lag, and calculations etc., will be made within this report. Considers the cumulative effect of energy savings.

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Consumer Program			
Appliance Retirement	Includes both retail and home pickup stream; Retail stream allocated based on average of 2008 & 2009 residential throughput; Home pickup stream directly attributed by postal code or customer selection	Savings are considered to begin in the year the appliance is picked up.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Appliance Exchange	When postal code information is provided by customer, results are directly attributed to the LDC. When postal code is not available, results allocated based on average of 2008 & 2009 residential throughput	Savings are considered to begin in the year that the exchange event occurred	
HVAC Incentives	Results directly attributed to LDC based on customer postal code	Savings are considered to begin in the year that the installation occurred	

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Conservation Instant Coupon Booklet	LDC-coded coupons directly attributed to LDC; Otherwise results are allocated based on average of 2008 & 2009 residential throughput	Savings are considered to begin in the year in which the coupon was redeemed.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Bi-Annual Retailer Event	Results are allocated based on average of 2008 & 2009 residential throughput	Savings are considered to begin in the year in which the event occurs.	
Retailer Co-op	When postal code information is provided by the customer, results are directly attributed. If postal code information is not available, results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year of the home visit and installation date.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Residential Demand Response	Results are directly attributed to LDC based on data provided to OPA through project completion reports and continuing participant lists	Savings are considered to begin in the year the device was installed and/or when a customer signed a <i>peaksaver</i> PLUS™ participant agreement.	Peak demand savings are based on an ex ante estimate assuming a 1 in 10 weather year and represents the "insurance value" of the initiative. Energy savings are based on an ex post estimate which reflects the savings that occurred as a result of activations in the year and accounts for any "snapback" in energy consumption experienced after the event. Savings are assumed to persist for only 1 year, reflecting that savings will only occur if the resource is activated.

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Residential New Construction	Results are directly attributed to LDC based on LDC identified in application in the saveONenergy CRM system; Initiative was not evaluated in 2011, reported results are presented with forecast assumptions as per the business case.	Savings are considered to begin in the year of the project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Business Program			
Efficiency: Equipment Replacement	Results are directly attributed to LDC based on LDC identified at the facility level in the saveONenergy CRM; Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see "Reference Tables" tab for Building type to Sector mapping	Savings are considered to begin in the year of the actual project completion date on the iCON CRM system.	Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON CRM system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
Additional Note: project counts were derived by filtering out "Application Status" = "Post-Project Submission - Payment denied by LDC" and only including projects with an "Actual Project Completion Date" in 2012 and pulling both the "Application Name" field followed by the "Building Address 1" field from the Post Stage Retrofit Report and finally performing a count of the Building Addresses.			

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Direct Installed Lighting	Results are directly attributed to LDC based on the LDC specified on the work order	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumptions multiplied by the uptake of each measure accounting for the realization rate for both peak demand and energy to reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
Existing Building Commissioning Incentive	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011 or 2012.	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined by the total savings for a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
New Construction and Major Renovation Incentive	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the actual project completion date.	
Energy Audit	Projects are directly attributed to LDC based on LDC identified in the application	Savings are considered to begin in the year of the audit date.	Peak demand and energy savings are determined by the total savings resulting from an audit as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Commercial Demand Response (part of the Residential program schedule)	Results are directly attributed to LDC based on data provided to OPA through project completion reports and continuing participant lists	Savings are considered to begin in the year the device was installed and/or when a customer signed a peaksaver PLUS™ participant agreement.	Peak demand savings are based on an ex ante estimate assuming a 1 in 10 weather year and represents the "insurance value" of the initiative. Energy savings are based on an ex post estimate which reflects the savings that occurred as a result of activations in the year. Savings are assumed to persist for only 1 year, reflecting that savings will only occur if the resource is activated.
Demand Response 3 (part of the Industrial program schedule)	Results are attributed to LDCs based on the total contracted megawatts at the contributor level as of December 31st, applying the provincial ex ante to contracted ratio (ex ante estimate/contracted megawatts); Ex post energy savings are attributed to the LDC based on their proportion of the total contracted megawatts at the contributor level.	Savings are considered to begin in the year in which the contributor signed up to participate in demand response.	Peak demand savings are ex ante estimates based on the load reduction capability that can be expected for the purposes of planning. The ex ante estimates factor in both scheduled non-performances (i.e. maintenance) and historical performance. Energy savings are based on an ex post estimate which reflects the savings that actually occurred as a results of activations in the year. Savings are assumed to persist for 1 year, reflecting that savings will not occur if the resource is not activated and additional costs are incurred to activate the resource.
Industrial Program			
Process & System Upgrades	Results are directly attributed to LDC based on LDC identified in application in the saveONenergy CRM system; Initiative was not evaluated, no completed projects in 2011 or 2012.	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Monitoring & Targeting	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011 or 2012.	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
Energy Manager	Results are directly attributed to LDC based on LDC identified in the application; No completed projects in 2011 or 2012.	Savings are considered to begin in the year in which the project was completed by the energy manager. If no date is specified the savings will begin the year of the Quarterly Report submitted by the energy manager.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Efficiency: Equipment Replacement Incentive (part of the C&I program schedule)	Results are directly attributed to LDC based on LDC identified at the facility level in the saveONenergy CRM; Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see "Reference Tables" tab for Building type to Sector mapping	Savings are considered to begin in the year of the actual project completion date on the iCON CRM system.	Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON CRM system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).
Demand Response 3	Results are attributed to LDCs based on the total contracted megawatts at the contributor level as of December 31st, applying the provincial ex ante to contracted ratio (ex ante estimate/contracted megawatts); Ex post energy savings are attributed to the LDC based on their proportion of the total contracted megawatts at the contributor level.	Savings are considered to begin in the year in which the contributor signed up to participate in demand response.	Peak demand savings are ex ante estimates based on the load reduction capability that can be expected for the purposes of planning. The ex ante estimates factor in both scheduled non-performances (i.e. maintenance) and historical performance. Energy savings are based on an ex post estimate which reflects the savings that actually occurred as a results of activations in the year. Savings are assumed to persist for 1 year, reflecting that savings will not occur if the resource is not activated and additional costs are incurred to activate the resource.
Home Assistance Program			

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the measures were installed.	Peak demand and energy savings are determined using the measure level per unit assumption multiplied by the uptake of each measure (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Pre-2011 Programs completed in 2011			
Electricity Retrofit Incentive Program	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation	Savings are considered to begin in the year in which a project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). If energy savings are not available , an estimate is made based on the kWh to kW ratio in the provincial results from the 2010 evaluated results (http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports).
High Performance New Construction	Results are directly attributed to LDC based on customer data provided to the OPA from Enbridge; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation	Savings are considered to begin in the year in which a project was completed.	
Toronto Comprehensive	Program run exclusively in Toronto Hydro-Electric System Limited service territory; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation		

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Multifamily Energy Efficiency Rebates	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation	Savings are considered to begin in the year in which a project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). If energy savings are not available, an estimate is made based on the kWh to kW ratio in the provincial results from the 2010 evaluated results (http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports).
Data Centre Incentive Program	Program run exclusively in PowerStream Inc. service territory; Initiative was not evaluated in 2011, assumptions as per 2009 evaluation		
EnWin Green Suites	Program run exclusively in ENWIN Utilities Ltd. service territory; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation		

ERII Sector (C&I vs. Industrial Mapping)

Building Type	Sector
Agribusiness - Cattle Farm	C&I
Agribusiness - Dairy Farm	C&I
Agribusiness - Greenhouse	C&I
Agribusiness - Other	C&I
Agribusiness - Other,Mixed-Use - Office/Retail	C&I
Agribusiness - Other,Office,Retail,Warehouse	C&I
Agribusiness - Other,Office,Warehouse	C&I
Agribusiness - Poultry	C&I
Agribusiness - Poultry,Hospitality - Motel	C&I
Agribusiness - Swine	C&I
Convenience Store	C&I
Education - College / Trade School	C&I
Education - College / Trade School,Multi-Residential - Condominium	C&I
Education - College / Trade School,Multi-Residential - Rental Apartment	C&I
Education - College / Trade School,Retail	C&I
Education - Primary School	C&I
Education - Primary School,Education - Secondary School	C&I
Education - Primary School,Multi-Residential - Rental Apartment	C&I
Education - Primary School,Not-for-Profit	C&I
Education - Secondary School	C&I
Education - University	C&I
Education - University,Office	C&I
Hospital/Healthcare - Clinic	C&I
Hospital/Healthcare - Clinic,Hospital/Healthcare - Long-term Care,Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Clinic,Industrial	C&I
Hospital/Healthcare - Clinic,Retail	C&I
Hospital/Healthcare - Long-term Care	C&I
Hospital/Healthcare - Long-term Care,Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Medical Building,Mixed-Use - Office/Retail	C&I
Hospital/Healthcare - Medical Building,Mixed-Use - Office/Retail,Office	C&I
Hospitality - Hotel	C&I
Hospitality - Hotel,Restaurant - Dining	C&I
Hospitality - Motel	C&I
Industrial	Industrial
Mixed-Use - Office/Retail	C&I
Mixed-Use - Office/Retail,Industrial	Industrial
Mixed-Use - Office/Retail,Mixed-Use - Other	C&I
Mixed-Use - Office/Retail,Mixed-Use - Other,Not-for-Profit,Warehouse	C&I
Mixed-Use - Office/Retail,Mixed-Use - Residential/Retail	C&I
Mixed-Use - Office/Retail,Office,Restaurant - Dining,Restaurant - Quick Serve,Retail,Warehouse	C&I

Mixed-Use - Office/Retail,Office,Warehouse	C&I
Mixed-Use - Office/Retail,Retail	C&I
Mixed-Use - Office/Retail,Warehouse	C&I
Mixed-Use - Office/Retail,Warehouse,Industrial	Industrial
Mixed-Use - Other	C&I
Mixed-Use - Other,Industrial	Industrial
Mixed-Use - Other,Not-for-Profit,Office	C&I
Mixed-Use - Other,Office	C&I
Mixed-Use - Other,Other: Please specify	C&I
Mixed-Use - Other,Retail,Warehouse	C&I
Mixed-Use - Other,Warehouse	C&I
Mixed-Use - Residential/Retail	C&I
Mixed-Use - Residential/Retail,Multi-Residential - Condominium	C&I
Mixed-Use - Residential/Retail,Multi-Residential - Rental Apartment	C&I
Mixed-Use - Residential/Retail,Retail	C&I
Multi-Residential - Condominium	C&I
Multi-Residential - Condominium,Multi-Residential - Rental Apartment	C&I
Multi-Residential - Condominium,Other: Please specify	C&I
Multi-Residential - Rental Apartment	C&I
Multi-Residential - Rental Apartment,Multi-Residential - Social Housing Provider,Not-for-Profit	C&I
Multi-Residential - Rental Apartment,Not-for-Profit	C&I
Multi-Residential - Rental Apartment,Warehouse	C&I
Multi-Residential - Social Housing Provider	C&I
Multi-Residential - Social Housing Provider,Industrial	C&I
Multi-Residential - Social Housing Provider,Not-for-Profit	C&I
Not-for-Profit	C&I
Not-for-Profit,Office	C&I
Not-for-Profit,Other: Please specify	C&I
Not-for-Profit,Warehouse	C&I
Office	C&I
Office,Industrial	Industrial
Office,Other: Please specify	C&I
Office,Other: Please specify,Warehouse	C&I
Office,Restaurant - Dining	C&I
Office,Restaurant - Dining,Industrial	Industrial
Office,Retail	C&I
Office,Retail,Industrial	C&I
Office,Retail,Warehouse	C&I
Office,Warehouse	C&I
Office,Warehouse,Industrial	Industrial
Other: Please specify	C&I
Other: Please specify,Industrial	Industrial
Other: Please specify,Retail	C&I
Other: Please specify,Warehouse	C&I
Restaurant - Dining	C&I
Restaurant - Dining,Retail	C&I

Restaurant - Quick Serve	C&I
Restaurant - Quick Serve,Retail	C&I
Retail	C&I
Retail,Industrial	Industrial
Retail,Warehouse	C&I
Warehouse	C&I
Warehouse,Industrial	Industrial

Consumer Program Allocation Methodology

Results can be allocated based on average of 2008 & 2009 residential throughput for each LDC (below) when additional information is not available. Source: OEB Yearbook Data 2008 & 2009

Local Distribution Company	Allocation
Algoma Power Inc.	0.2%
Atikokan Hydro Inc.	0.0%
Attawapiskat Power Corporation	0.0%
Bluewater Power Distribution Corporation	0.6%
Brant County Power Inc.	0.2%
Brantford Power Inc.	0.7%
Burlington Hydro Inc.	1.4%
Cambridge and North Dumfries Hydro Inc.	1.0%
Canadian Niagara Power Inc.	0.5%
Centre Wellington Hydro Ltd.	0.1%
Chapleau Public Utilities Corporation	0.0%
COLLUS Power Corporation	0.3%
Cooperative Hydro Embrun Inc.	0.0%
E.L.K. Energy Inc.	0.2%
Enersource Hydro Mississauga Inc.	3.9%
ENTEGRUS	0.6%
ENWIN Utilities Ltd.	1.6%
Erie Thames Powerlines Corporation	0.4%
Espanola Regional Hydro Distribution Corporation	0.1%
Essex Powerlines Corporation	0.7%
Festival Hydro Inc.	0.3%
Fort Albany Power Corporation	0.0%
Fort Frances Power Corporation	0.1%
Greater Sudbury Hydro Inc.	1.0%
Grimsby Power Inc.	0.2%
Guelph Hydro Electric Systems Inc.	0.9%
Haldimand County Hydro Inc.	0.4%
Halton Hills Hydro Inc.	0.5%
Hearst Power Distribution Company Limited	0.1%
Horizon Utilities Corporation	4.0%
Hydro 2000 Inc.	0.0%
Hydro Hawkesbury Inc.	0.1%
Hydro One Brampton Networks Inc.	2.8%
Hydro One Networks Inc.	30.0%

Hydro Ottawa Limited	5.6%
Innisfil Hydro Distribution Systems Limited	0.4%
Kashechewan Power Corporation	0.0%
Kenora Hydro Electric Corporation Ltd.	0.1%
Kingston Hydro Corporation	0.5%
Kitchener-Wilmot Hydro Inc.	1.6%
Lakefront Utilities Inc.	0.2%
Lakeland Power Distribution Ltd.	0.2%
London Hydro Inc.	2.7%
Middlesex Power Distribution Corporation	0.1%
Midland Power Utility Corporation	0.1%
Milton Hydro Distribution Inc.	0.6%
Newmarket - Tay Power Distribution Ltd.	0.7%
Niagara Peninsula Energy Inc.	1.0%
Niagara-on-the-Lake Hydro Inc.	0.2%
Norfolk Power Distribution Inc.	0.3%
North Bay Hydro Distribution Limited	0.5%
Northern Ontario Wires Inc.	0.1%
Oakville Hydro Electricity Distribution Inc.	1.5%
Orangeville Hydro Limited	0.2%
Orillia Power Distribution Corporation	0.3%
Oshawa PUC Networks Inc.	1.2%
Ottawa River Power Corporation	0.2%
Parry Sound Power Corporation	0.1%
Peterborough Distribution Incorporated	0.7%
PowerStream Inc.	6.6%
PUC Distribution Inc.	0.9%
Renfrew Hydro Inc.	0.1%
Rideau St. Lawrence Distribution Inc.	0.1%
Sioux Lookout Hydro Inc.	0.1%
St. Thomas Energy Inc.	0.3%
Thunder Bay Hydro Electricity Distribution Inc.	0.9%
Tillsonburg Hydro Inc.	0.1%
Toronto Hydro-Electric System Limited	12.8%
Veridian Connections Inc.	2.4%
Wasaga Distribution Inc.	0.2%
Waterloo North Hydro Inc.	1.0%
Welland Hydro-Electric System Corp.	0.4%
Wellington North Power Inc.	0.1%
West Coast Huron Energy Inc.	0.1%
Westario Power Inc.	0.5%
Whitby Hydro Electric Corporation	0.9%
Woodstock Hydro Services Inc.	0.3%

Reporting Glossary

Annual: the peak demand or energy savings that occur in a given year (includes resource savings from new program activity in a given year and resource savings persisting from previous years).

Cumulative Energy Savings: represents the sum of the annual energy savings that accrue over a defined period (in the context of this report the defined period is 2011 - 2014). This concept does not apply to peak demand savings.

End-User Level: resource savings in this report are measured at the customer level as opposed to the generator level (the difference being line losses).

Free-ridership: the percentage of participants who would have implemented the program measure or practice in the absence of the program.

Incremental: the new resource savings attributable to activity procured in a particular reporting period based on when the savings are considered to 'start' (please see table 5).

Initiative: a Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (i.e. Retrofit, Fridge & Freezer Pickup).

Net-to-Gross Ratio: The ratio of net savings to gross savings, which takes into account factors such as free-ridership and spillover

Net Energy Savings (MWh): energy savings attributable to conservation and demand management activities net of free-riders, etc.

Net Peak Demand Savings (MW): peak demand savings attributable to conservation and demand management activities net of free-riders, etc.

Program: a group of initiatives that target a particular market sector (i.e. Consumer, Industrial).

Realization Rate: A comparison of observed or measured (evaluated) information to original reported savings which is used to adjust the gross savings estimates.

Settlement Account: the grouping of demand response facilities (contributors) into one contractual agreement

Spillover: Reductions in energy consumption and/or demand caused by the presence of the energy efficiency program, beyond the program-related gross savings of the participants. There can be participant and/or non-participant spillover.

Unit: for a specific initiative the relevant type of activity acquired in the market place (i.e. appliances picked up, projects completed, coupons redeemed).