

ONTARIO ENERGY BOARD

IN THE MATTER OF subsections 78(2.1), (3.0.1), (3.0.2) and (3.0.3) of the *Ontario Energy Board Act, 1998*;

AND IN THE MATTER OF subsection 53.8(8) of the *Electricity Act, 1998*;

AND IN THE MATTER OF Ontario Regulation 453/06 made under the *Ontario Energy Board Act, 1998*;

AND IN THE MATTER OF an Application by the Independent Electricity System Operator as Smart Metering Entity for an Order fixing a Smart Metering Charge for July 1, 2012 to December 31, 2017.

AND IN THE MATTER OF a proceeding being commenced on the Ontario Energy Board's own motion, pursuant to section 19 of the *Ontario Energy Board Act, 1998*.

SUPPLEMENTAL PRE-FILED EVIDENCE

1. This supplemental pre-filed evidence is being filed by the Independent Electricity System Operator ("IESO") in its capacity as the Smart Metering Entity ("SME") in response to the Board's letter of May 18, 2012.
2. Attached as Exhibits A and B respectively are spreadsheets that identify the SME's actual costs by year (2006 to February 2012) and forecast costs by year (2012 to 2017).
3. The information contained in Exhibits A and B is broken down by OM&A Program Costs and Capital Program Costs (including details on amortization) as requested by the Board. Both the OM&A Program Costs and Capital Program Costs are further broken into Staff Costs, Computer Support, Maintenance &

Equipment, Contract Services and Consultants, Administration, and Telecommunications.

4. Exhibits A and B have been prepared with the accounting policies used by the IESO in its annual audited financial statements; in particular:

- **Tangible capital assets** – Tangible capital assets are recorded at cost which includes all amounts directly attributable to the acquisition, construction, development or betterment of the asset. The IESO capitalizes applicable interest as part of the cost of tangible capital assets.
- **Assets under construction** – Assets under construction generally relates to the costs of physical facilities, hardware and software, and includes costs paid to vendors, internal and external labour, consultants and interest related to funds borrowed to finance the project. Costs relating to assets under construction are transferred to tangible capital assets when the asset under construction is deemed to be ready for use.
- **Amortization** – The capital cost of tangible capital assets in service is amortized on a straight-line basis over their estimated service lives. The estimated service life of the meter data management/repository as of December 31, 2011 is 11 years from in service date.

APPLICATION BY THE IESO AS SMART METERING ENTTTY FOR AN ORDER FIXING A SMART METERING CHARGE

1. Costs in Exhibit C, Tab1 pages 3-4 by year (2006-2017), broken down by:
a) OM&A Program Costs; and
b) Capital Program Costs (including details on amortization)

	ACTUAL																	
	YEAR 2006			YEAR 2007			YEAR 2008		YEAR 2009			YEAR 2010		YEAR 2011		ACTUAL 2006 to 2011		CUMULATIVE TOTAL
PHASE	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	
PHASE 1 - Inception to MDM/R Contract	-	-	1,635,850	-	-	- 40,245	-	-	1,595,605	-	- 1,595,605	-	-	-	-	1,595,605	-	1,595,605
PHASE 2 - MDM/R Delivery	-	-	-	-	12,851,087	-	-	3,798,938	-	1,557,512	-	-	1,033,497	-	520,355	-	18,720,679	18,720,679
PHASE 3 - MDM/R Operation	-	-	-	123,928	-	-	7,763,125	-	9,304,751	-	-	9,399,492	-	9,343,289	2,499	35,934,585	2,499	35,937,084
PHASE 4 - Accelerated TOU Rollout & OEB Mandate	-	-	-	-	-	-	-	-	674,101	-	-	3,732,931	-	3,628,983	-	8,036,015	-	8,036,015
Release 7.2 and Measurement Canada 2011 Solution	-	-	-	-	-	-	-	-	-	-	-	518,775	-	273,386	6,307,758	792,161	6,307,758	7,099,919
Measurement Canada 2012 Solution and Required Upgrades	-	-	-	-	-	-	-	-	-	-	-	-	-	71,310	12,459	71,310	12,459	83,769
SME Corporate Costs	-	-	-	-	-	-	-	-	-	-	-	13,667	-	1,615	-	15,282	-	15,282
Financing Costs	-	-	-	-	-	-	403,001	-	395,399	-	-	450,886	-	1,063,273	-	2,312,559	-	2,312,559
TOTAL	-	-	1,635,850	123,928	12,851,087	- 40,245	8,166,126	3,798,938	11,969,856	1,557,512	- 1,595,605	14,115,752	1,033,497	14,381,855	5,802,361	48,757,516	25,043,395	73,800,911

AMORTIZATION	YEAR 2006			YEAR 2007			YEAR 2008			YEAR 2009			YEAR 2010		YEAR 2011		ACTUAL 2006 to 2011	
Capital at beginning of Period		-			-			12,851,087		16,650,025				18,207,537		19,241,034		-
Additions		-			12,851,087			3,798,938		1,557,512				1,033,497		5,802,361		25,043,395
Capital at end of Period		-			12,851,087			16,650,025		18,207,537				19,241,034		25,043,395		25,043,395
Accumulated deprecation at beginning of Period		-			-			-		2,557,312				5,637,512		7,337,953		-
Amortization		-			-			2,557,312		3,080,200				1,700,440		2,529,349		9,867,302
Accumulated Depreciation at end of Period		-			-			2,557,312		5,637,512				7,337,953		9,867,302		9,867,302
Net Book Value at beginning of Period		-			-			12,851,087		14,092,713				12,570,024		11,903,082		-
Net Book Value at end of Period		-			12,851,087			14,092,713		12,570,024				11,903,082		15,176,093		15,176,093

Note: The capital cost of the Meter Data Management/Repository (MDM/R) in service is amortized on a straight-line basis over an estimated service life of 11 years (2009 and prior = 6 years)

ACTUAL		
YEAR 2012 (Jan/ Feb)		CUMULATIVE TOTAL
OM&A	CAPITAL	
-	-	-
-	-	-
1,709,930	772	1,710,702
348,239	-	348,239
-	1,124,382	1,124,382
104,177	133,784	237,961
2,931	-	2,931
231,687	-	231,687
2,396,964	1,258,938	3,655,902

YEAR 2012 (Jan/ Feb)	
	25,043,395
	1,258,938
	26,302,333
	9,867,302
	441,271
	10,308,573
	15,176,093
	15,993,760

ACTUAL 2006 to Feb 2012		CUMULATIVE TOTAL
OM&A	CAPITAL	
1,595,605	-	1,595,605
-	18,720,679	18,720,679
37,644,515	3,271	37,647,785
8,384,254	-	8,384,254
792,161	7,432,140	8,224,301
175,487	146,243	321,730
18,213	-	18,213
2,544,246	-	2,544,246
51,154,480	26,302,333	77,456,813

2. OM&A Program Costs by year (2006-2017) further broken down to include:

- a) Staff Costs;
- b) Computer Support, Maintenance & Equipment;
- c) Contract Services and Consultants;
- d) Administration; and
- e) Telecommunications

PHASE 1 - Inception to MDM/R Contract	ACTUAL															ACTUAL 2006 to 2011		CUMULATIVE TOTAL
	YEAR 2006			YEAR 2007			YEAR 2008		YEAR 2009			YEAR 2010		YEAR 2011		OM&A	CAPITAL	
	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL			
Staff Costs	-	-	450,307	-	-	- 28,528	-	-	421,779	-	- 421,779	-	-	-	-	421,779	-	421,779
Computer Support, Maintenance & Equipment	-	-	26,917	-	-	-	-	-	26,917	-	- 26,917	-	-	-	-	26,917	-	26,917
Contract Services and Consultants	-	-	1,133,456	-	-	- 11,717	-	-	1,121,740	-	- 1,121,740	-	-	-	-	1,121,740	-	1,121,740
Administration	-	-	8,426	-	-	-	-	-	8,426	-	- 8,426	-	-	-	-	8,426	-	8,426
Telecommunications	-	-	393	-	-	-	-	-	393	-	- 393	-	-	-	-	393	-	393
Interest	-	-	16,349	-	-	-	-	-	16,349	-	- 16,349	-	-	-	-	16,349	-	16,349
TOTAL	-	-	1,635,850	-	-	- 40,245	-	-	1,595,605	-	- 1,595,605	-	-	-	-	1,595,605	-	1,595,605

PHASE 2 - MDM/R Delivery	ACTUAL															ACTUAL 2006 to 2011		CUMULATIVE TOTAL
	YEAR 2006			YEAR 2007			YEAR 2008		YEAR 2009			YEAR 2010		YEAR 2011		OM&A	CAPITAL	
	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL			
Staff Costs	-	-	-	-	1,196,204	-	-	772,495	-	398,421	-	-	98,463	-	-	-	2,465,583	2,465,583
Computer Support, Maintenance & Equipment	-	-	-	-	3,264,715	-	-	273,874	-	168,674	-	-	154,954	-	422,000	-	4,284,217	4,284,217
Contract Services and Consultants	-	-	-	-	7,933,959	-	-	2,836,426	-	990,397	-	-	780,080	-	942,355	-	11,598,506	11,598,506
Administration	-	-	-	-	1,087	-	-	669	-	-	-	-	-	-	-	-	1,755	1,755
Telecommunications	-	-	-	-	8,434	-	-	1,925	-	20	-	-	-	-	-	-	10,379	10,379
Interest	-	-	-	-	446,689	-	-	86,450	-	-	-	-	-	-	-	-	360,238	360,238
TOTAL	-	-	-	-	12,851,087	-	-	3,798,938	-	1,557,512	-	-	1,033,497	-	520,355	-	18,720,679	18,720,679

PHASE 3 - MDM/R Operation	ACTUAL															ACTUAL 2006 to 2011		CUMULATIVE TOTAL
	YEAR 2006			YEAR 2007			YEAR 2008		YEAR 2009			YEAR 2010		YEAR 2011		OM&A	CAPITAL	
	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL			
Staff Costs	-	-	-	2,232	-	-	456,786	-	1,149,403	-	-	1,483,161	-	2,062,388	-	5,153,969	-	5,153,969
Computer Support, Maintenance & Equipment	-	-	-	162	-	-	140	-	50	-	-	18,801	-	61,161	2,499	80,315	2,499	82,814
Contract Services and Consultants	-	-	-	109,081	-	-	7,304,570	-	8,136,778	-	-	7,895,835	-	7,213,312	-	30,659,575	-	30,659,575
Administration	-	-	-	12,453	-	-	727	-	15,390	-	- 793	-	2,797	-	-	30,574	-	30,574
Telecommunications	-	-	-	-	-	-	902	-	3,131	-	-	2,488	-	3,631	-	10,152	-	10,152
Interest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	123,928	-	-	7,763,125	-	9,304,751	-	-	9,399,492	-	9,343,289	2,499	35,934,585	2,499	35,937,084

PHASE 4 - Accelerated TOU Rollout & OEB Mandate	ACTUAL															ACTUAL 2006 to 2011		CUMULATIVE TOTAL
	YEAR 2006			YEAR 2007			YEAR 2008		YEAR 2009			YEAR 2010		YEAR 2011		OM&A	CAPITAL	
	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL			
Staff Costs	-	-	-	-	-	-	-	-	149,988	-	-	276,477	-	256,864	-	683,329	-	683,329
Computer Support, Maintenance & Equipment	-	-	-	-	-	-	-	-	18,355	-	-	25,624	-	3,814	-	47,792	-	47,792
Contract Services and Consultants	-	-	-	-	-	-	-	-	503,774	-	-	3,424,057	-	3,361,049	-	7,288,880	-	7,288,880
Administration	-	-	-	-	-	-	-	-	37	-	-	5,903	-	423	-	6,362	-	6,362
Telecommunications	-	-	-	-	-	-	-	-	1,947	-	-	870	-	6,834	-	9,651	-	9,651
Interest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	674,101	-	-	3,732,931	-	3,628,983	-	8,036,015	-	8,036,015

Release 7.2 and Measurement Canada 2011 Solution	ACTUAL															ACTUAL 2006 to 2011		CUMULATIVE TOTAL
	YEAR 2006			YEAR 2007			YEAR 2008		YEAR 2009			YEAR 2010		YEAR 2011		OM&A	CAPITAL	
	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL			
Staff Costs	-	-	-	-	-	-	-	-	-	-	-	91,568	-	7,751	8,538	99,318	8,538	107,856
Computer Support, Maintenance & Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	448	137,137	448	137,137	137,584
Contract Services and Consultants	-	-	-	-	-	-	-	-	-	-	-	426,538	-	265,188	6,158,730	691,726	6,158,730	6,850,456
Administration	-	-	-	-	-	-	-	-	-	-	-	669	-	-	3,354	669	3,354	4,023
Telecommunications	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	518,775	-	273,386	6,307,758	792,161	6,307,758	7,099,919

ACTUAL		
YEAR 2012 (Jan / Feb)		CUMULATIVE TOTAL
OM&A	CAPITAL	
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

ACTUAL		
YEAR 2012 (Jan / Feb)		CUMULATIVE TOTAL
OM&A	CAPITAL	
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

ACTUAL		
YEAR 2012 (Jan / Feb)		CUMULATIVE TOTAL
OM&A	CAPITAL	
296,774	-	296,774
58,812	772	59,584
1,354,085	-	1,354,085
52	-	52
207	-	207
-	-	-
1,709,930	772	1,710,702

ACTUAL		
YEAR 2012 (Jan / Feb)		CUMULATIVE TOTAL
OM&A	CAPITAL	
4,064	-	4,064
-	-	-
344,174	-	344,174
-	-	-
-	-	-
-	-	-
348,239	-	348,239

ACTUAL		
YEAR 2012 (Jan / Feb)		CUMULATIVE TOTAL
OM&A	CAPITAL	
-	1,157	1,157
-	-	-
-	1,122,556	1,122,556
-	-	-
-	669	669
-	-	-
-	1,124,382	1,124,382

ACTUAL 2006 to Feb 2012		CUMULATIVE TOTAL
OM&A	CAPITAL	
421,779	-	421,779
26,917	-	26,917
1,121,740	-	1,121,740
8,426	-	8,426
393	-	393
16,349	-	16,349
1,595,605	-	1,595,605

ACTUAL 2006 to Feb 2012		CUMULATIVE TOTAL
OM&A	CAPITAL	
-	2,465,583	2,465,583
-	4,284,217	4,284,217
-	11,598,506	11,598,506
-	1,755	1,755
-	10,379	10,379
-	360,238	360,238
-	18,720,679	18,720,679

ACTUAL 2006 to Feb 2012		CUMULATIVE TOTAL
OM&A	CAPITAL	
5,450,743	-	5,450,743
139,127	3,271	142,398
32,013,660	-	32,013,660
30,626	-	30,626
10,359	-	10,359
-	-	-
37,644,515	3,271	37,647,785

ACTUAL 2006 to Feb 2012		CUMULATIVE TOTAL
OM&A	CAPITAL	
687,394	-	687,394
47,792	-	47,792
7,633,055	-	7,633,055
6,362	-	6,362
9,651	-	9,651
-	-	-
8,384,254	-	8,384,254

ACTUAL 2006 to Feb 2012		CUMULATIVE TOTAL
OM&A	CAPITAL	
99,318	9,694	109,012
448	137,137	137,584
691,726	7,281,286	7,973,012
669	3,354	4,023
-	669	669
-	-	-
792,161	7,432,140	8,224,301

	ACTUAL																		
	YEAR 2006			YEAR 2007			YEAR 2008		YEAR 2009			YEAR 2010		YEAR 2011		ACTUAL 2006 to 2011		CUMULATIVE TOTAL	
	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL		
Measurement Canada 2012 Solution and Required Upgrades	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Staff Costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Computer Support, Maintenance & Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Contract Services and Consultants	-	-	-	-	-	-	-	-	-	-	-	-	-	71,310	12,459	71,310	12,459	83,769	
Administration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Telecommunications	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Interest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	71,310	12,459	71,310	12,459	83,769	
	ACTUAL																		
	YEAR 2006			YEAR 2007			YEAR 2008		YEAR 2009			YEAR 2010		YEAR 2011		ACTUAL 2006 to 2011		CUMULATIVE TOTAL	
	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL		
SME Corporate Costs	-	-	-	-	-	-	-	-	-	-	-	1,339	-	-	-	1,339	-	1,339	
Staff Costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Computer Support, Maintenance & Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Contract Services and Consultants	-	-	-	-	-	-	-	-	-	-	-	12,300	-	1,615	-	13,915	-	13,915	
Administration	-	-	-	-	-	-	-	-	-	-	-	29	-	-	-	29	-	29	
Telecommunications	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Interest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	13,667	-	1,615	-	15,282	-	15,282	
	ACTUAL																		
	YEAR 2006			YEAR 2007			YEAR 2008		YEAR 2009			YEAR 2010		YEAR 2011		ACTUAL 2006 to 2011		CUMULATIVE TOTAL	
	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL	Deferred Charges	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL		
Financing Costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Staff Costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Computer Support, Maintenance & Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Contract Services and Consultants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Administration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Telecommunications	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Interest	-	-	-	-	-	-	403,001	-	395,399	-	-	450,886	-	1,063,272	-	2,312,559	-	2,312,559	
	-	-	-	-	-	-	403,001	-	395,399	-	-	450,886	-	1,063,272	-	2,312,559	-	2,312,559	
																TOTAL	48,757,516	25,043,395	73,800,911

ACTUAL		
YEAR 2012 (Jan / Feb)		CUMULATIVE TOTAL
OM&A	CAPITAL	
-	-	-
-	-	-
104,177	133,784	237,961
-	-	-
-	-	-
-	-	-
-	-	-
104,177	133,784	237,961
ACTUAL		
YEAR 2012 (Jan / Feb)		CUMULATIVE TOTAL
OM&A	CAPITAL	
-	-	-
-	-	-
2,931	-	2,931
-	-	-
-	-	-
-	-	-
2,931	-	2,931
ACTUAL		
YEAR 2012 (Jan / Feb)		CUMULATIVE TOTAL
OM&A	CAPITAL	
-	-	-
-	-	-
231,687	-	231,687
231,687	-	231,687
TOTAL		3,655,902

ACTUAL 2006 to Feb 2012		CUMULATIVE TOTAL
OM&A	CAPITAL	
-	-	-
-	-	-
175,487	146,243	321,730
-	-	-
-	-	-
-	-	-
-	-	-
175,487	146,243	321,730
ACTUAL 2006 to Feb 2012		CUMULATIVE TOTAL
OM&A	CAPITAL	
1,339	-	1,339
-	-	-
16,846	-	16,846
-	-	-
29	-	29
-	-	-
-	-	-
18,213	-	18,213
ACTUAL 2006 to Feb 2012		CUMULATIVE TOTAL
OM&A	CAPITAL	
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
2,544,246	-	2,544,246
2,544,246	-	2,544,246
51,154,480	26,302,333	77,456,813

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1. Costs in Exhibit C, Tab1 pages 3-4 by year (2006-2017), broken down by:

- a) OM&A Program Costs; and
- b) Capital Program Costs (including details on amortization)

	ACTUAL		FORECAST												CUMULATIVE TOTAL		
	2006 to 2011		2012		2013		2014		2015		2016		2017		2006 to 2017		
PHASE	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	TOTAL
PHASE 1 - Inception to MDM/R Contract	1,595,605	-	-	-	-	-	-	-	-	-	-	-	-	-	1,595,605	-	1,595,605
PHASE 2 - MDM/R Delivery	-	18,720,679	-	-	-	-	-	-	-	-	-	-	-	-	-	18,720,679	18,720,679
PHASE 3 - MDM/R Operation	35,934,585	2,499	22,608,429	-	22,121,250	-	21,238,482	-	21,549,937	-	21,783,873	-	22,025,102	-	167,261,658	2,499	167,264,156
PHASE 4 - Accelerated TOU Rollout & OEB Mandate	8,036,015	-	960,793	-	-	-	-	-	-	-	-	-	-	-	8,996,808	-	8,996,808
Release 7.2 and Measurement Canada 2011 Solution	792,161	6,307,758	456,324	2,509,012	-	-	-	-	-	-	-	-	-	-	1,248,485	8,816,770	10,065,255
Measurement Canada 2012 Solution and Required Upgrades	71,310	12,459	1,542,915	5,261,231	-	1,000,000	-	-	-	-	-	-	-	-	1,614,225	6,273,690	7,887,915
SME Corporate Costs	15,282	-	100,000	-	-	-	-	-	-	-	-	-	-	-	115,282	-	115,282
Provision for Changes to the MDM/R and Contingency	-	-	-	-	4,696,097	-	5,000,000	-	5,000,000	-	5,000,000	-	5,000,000	-	24,696,097	-	24,696,097
Financing Costs	2,312,559	-	1,581,591	-	1,980,930	-	2,278,536	-	2,216,336	-	1,352,350	-	456,241	-	12,178,542	-	12,178,542
TOTAL	48,757,516	25,043,395	27,250,052	7,770,243	28,798,277	1,000,000	28,517,018	-	28,766,273	-	28,136,223	-	27,481,343	-	217,706,702	33,813,638	251,520,340

AMORTIZATION	ACTUAL		FORECAST											
	2006 to 2011		2012		2013		2014		2015		2016		2017	
Capital at beginning of Period		-		25,043,395		32,813,638		33,813,638		33,813,638		33,813,638		33,813,638
Additions		25,043,395		7,770,243		1,000,000		-		-		-		-
Capital at end of Period		25,043,395		32,813,638		33,813,638		33,813,638		33,813,638		33,813,638		33,813,638
Accumulated deprecation at beginning of Period		-		9,867,302		13,044,171		17,098,064		21,276,958		25,455,851		29,634,745
Amortization		9,867,302		3,176,869		4,053,893		4,178,893		4,178,893		4,178,893		4,178,893
Accumulated Depreciation at end of Period		9,867,302		13,044,171		17,098,064		21,276,958		25,455,851		29,634,745		33,813,638
Net Book Value at beginning of Period		-		15,176,093		19,769,467		16,715,574		12,536,680		8,357,787		4,178,893
Net Book Value at end of Period		15,176,093		19,769,467		16,715,574		12,536,680		8,357,787		4,178,893		-

Note: The capital cost of the Meter Data Management/Repository (MDM/R) in service is amortized on a straight-line basis over an estimated service life of 11 years (2009 and prior = 6 years)

2. OM&A Program Costs by year (2006-2017) further broken down to include:

- a) Staff Costs;
- b) Computer Support, Maintenance & Equipment;
- c) Contract Services and Consultants;
- d) Administration; and
- e) Telecommunications

	ACTUAL		FORECAST												CUMULATIVE TOTAL		
	2006 to 2011		2012		2013		2014		2015		2016		2017		2006 to 2017		
PHASE 1 - Inception to MDM/R Contract	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	TOTAL
Staff Costs	421,779	-													421,779	-	421,779
Computer Support, Maintenance & Equipment	26,917	-													26,917	-	26,917
Contract Services and Consultants	1,121,740	-													1,121,740	-	1,121,740
Administration	8,426	-													8,426	-	8,426
Telecommunications	393	-													393	-	393
Interest	16,349	-													16,349	-	16,349
TOTAL	1,595,605	-	-	-	-	-	-	-	-	-	-	-	-	-	1,595,605	-	1,595,605

	ACTUAL		FORECAST												CUMULATIVE TOTAL		
	2006 to 2011		2012		2013		2014		2015		2016		2017		2006 to 2017		
PHASE 2 - MDM/R Delivery	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	TOTAL
Staff Costs	-	2,465,583													-	2,465,583	2,465,583
Computer Support, Maintenance & Equipment	-	4,284,217													-	4,284,217	4,284,217
Contract Services and Consultants	-	11,598,506													-	11,598,506	11,598,506
Administration	-	1,755													-	1,755	1,755
Telecommunications	-	10,379													-	10,379	10,379
Interest	-	360,238													-	360,238	360,238
TOTAL	-	18,720,679	-	-	-	-	-	-	-	-	-	-	-	-	-	18,720,679	18,720,679

	ACTUAL		FORECAST												CUMULATIVE TOTAL		
	2006 to 2011		2012		2013		2014		2015		2016		2017		2006 to 2017		
PHASE 3 - MDM/R Operation	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	TOTAL
Staff Costs	5,153,969	-	2,965,389		3,362,373		3,321,467		3,498,916		3,603,883		3,712,000		25,617,998	-	25,617,998
Computer Support, Maintenance & Equipment	80,315	2,499	316,205		371,525		394,054		411,119		428,959		447,609		2,449,785	2,499	2,452,284
Contract Services and Consultants	30,659,575	-	19,241,835		18,299,801		17,432,785		17,547,020		17,655,363		17,766,955		138,603,334	-	138,603,334
Administration	30,574	-	74,000		76,220		78,507		80,862		83,288		85,786		509,236	-	509,236
Telecommunications	10,152	-	11,000		11,330		11,670		12,020		12,381		12,752		81,305	-	81,305
Interest	-	-													-	-	-
	35,934,585	2,499	22,608,429	-	22,121,250	-	21,238,482	-	21,549,937	-	21,783,873	-	22,025,102	-	167,261,658	2,499	167,264,156

	ACTUAL		FORECAST												CUMULATIVE TOTAL		
	2006 to 2011		2012		2013		2014		2015		2016		2017		2006 to 2017		
PHASE 4 - Accelerated TOU Rollout & OEB Mandate	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	TOTAL
Staff Costs	683,329	-	4,064												687,393	-	687,393
Computer Support, Maintenance & Equipment	47,792	-													47,792	-	47,792
Contract Services and Consultants	7,288,880	-	951,970												8,240,850	-	8,240,850
Administration	6,362	-	4,759												11,121	-	11,121
Telecommunications	9,651	-													9,651	-	9,651
Interest	-	-													-	-	-
	8,036,015	-	960,793	-	-	-	-	-	-	-	-	-	-	-	8,996,808	-	8,996,808

	ACTUAL		FORECAST												CUMULATIVE TOTAL		
Release 7.2 and Measurement Canada 2011 Solution	2006 to 2011		2012		2013		2014		2015		2016		2017		2006 to 2017		
	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	TOTAL
Staff Costs	99,318	8,538													99,318	8,538	107,856
Computer Support, Maintenance & Equipment	448	137,137													448	137,137	137,584
Contract Services and Consultants	691,726	6,158,730	456,324	2,509,012											1,148,050	8,667,742	9,815,792
Administration	669	3,354													669	3,354	4,023
Telecommunications	-	-													-	-	-
Interest	-	-													-	-	-
	792,161	6,307,758	456,324	2,509,012	-	-	-	-	-	-	-	-	-	-	1,248,485	8,816,770	10,065,255
	ACTUAL		FORECAST												CUMULATIVE TOTAL		
Measurement Canada 2012 Solution and Required Upgrades	2006 to 2011		2012		2013		2014		2015		2016		2017		2006 to 2017		
	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	TOTAL
Staff Costs	-	-													-	-	-
Computer Support, Maintenance & Equipment	-	-													-	-	-
Contract Services and Consultants	71,310	12,459	1,542,915	5,261,231		1,000,000									1,614,225	6,273,690	7,887,915
Administration	-	-													-	-	-
Telecommunications	-	-													-	-	-
Interest	-	-													-	-	-
	71,310	12,459	1,542,915	5,261,231	-	1,000,000	-	-	-	-	-	-	-	-	1,614,225	6,273,690	7,887,915
	ACTUAL		FORECAST												CUMULATIVE TOTAL		
SME Corporate Costs	2006 to 2011		2012		2013		2014		2015		2016		2017		2006 to 2017		
	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	TOTAL
Staff Costs	1,339	-													1,339	-	1,339
Computer Support, Maintenance & Equipment	-	-													-	-	-
Contract Services and Consultants	13,915	-	100,000												113,915	-	113,915
Administration	29	-													29	-	29
Telecommunications	-	-													-	-	-
Interest	-	-													-	-	-
	15,282	-	100,000	-	-	-	-	-	-	-	-	-	-	-	115,282	-	115,282
	ACTUAL		FORECAST												CUMULATIVE TOTAL		
Provision for changes to the MDM/R and Contingency	2006 to 2011		2012		2013		2014		2015		2016		2017		2006 to 2017		
	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	TOTAL
Staff Costs															-	-	-
Computer Support, Maintenance & Equipment															-	-	-
Contract Services and Consultants					4,696,097		5,000,000		5,000,000		5,000,000		5,000,000		24,696,097	-	24,696,097
Administration															-	-	-
Telecommunications															-	-	-
Interest															-	-	-
	-	-	-	-	4,696,097	-	5,000,000	-	5,000,000	-	5,000,000	-	5,000,000	-	24,696,097	-	24,696,097
	ACTUAL		FORECAST												CUMULATIVE TOTAL		
Financing Costs	2006 to 2011		2012		2013		2014		2015		2016		2017		2006 to 2017		
	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	OM&A	CAPITAL	TOTAL
Staff Costs	-	-													-	-	-
Computer Support, Maintenance & Equipment	-	-													-	-	-
Contract Services and Consultants	-	-													-	-	-
Administration	-	-													-	-	-
Telecommunications	-	-													-	-	-
Interest	2,312,559	-	1,581,591		1,980,930		2,278,536		2,216,336		1,352,350		456,241		12,178,542	-	12,178,542
	2,312,559	-	1,581,591	-	1,980,930	-	2,278,536	-	2,216,336	-	1,352,350	-	456,241	-	12,178,542	-	12,178,542