	A	В	С	D	E	E C	Н	тт	J	к	
1		⊌ very of Costs Incurred for Installed Units (Minimum Functional	-	U	E	F G	Π		J	ĸ	
				4							
	Cost	Breakdown of Functional Specification for an Advanced Meteri	ng infrastruc	ture							
3											
			TORONTO			HYDRO ONE			HYDRO ONE BRAMPTON		
4		CAD \$ MILLIONS	(Revised 1	8sep07)		NETWO	RKS		BRAM	TON	
5 6		CAPITAL COSTS									
		CAPITAL COSTS	•			<u>^</u>	A .		•		
7			\$	Qty		\$	Qty		\$	Qty	
8	1	ADVANCED METERING COMMUNICATION DEVICE (AMCD) Smart Meter									
9 10		Installation Cost									
11		Workforce Automation									
12											
12 13 14 15		ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)									
14	4.	Collectors									
15	5.	Repeaters									
16 17	6.	Installation									
17											
18 19	7	ADVANCED METERING CONTROL COMPUTER (AMCC)									
19		Computer Hardware Computer Software									
20		Computer Software Licence & Installation									
22	0.										
20 21 22 23 24 25 26 27 28 29		WIDE AREA NETWORK (WAN)									
24	10	Activation Fees									
25											
26		OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY									
27		AMI Interface to CIS									
28		Professional Fees									
30		Integration Program Management									
31	14.	. Togram management									
32		TOTAL CAPITAL COST (CAD \$ Millions)	25.741	193,294		21.799	62,914		0.940	6,401	
33		TOTAL OM&A COST (CAD \$ Millions) ^{see NOTE}	0.398	100,201		8.366	02,011		0.008	0,101	
34		TOTAL COST (CAD \$ Millions)	26.139			30.165			0.948		
35			20.155			30.103			0.540		
		Total Cost nor Unit ¢ (Total Cost (Quantity of Organt Materia)		¢425 22			¢ 470 47			\$148.04	
36 37		Total Cost per Unit \$ (Total Cost / Quantity of Smart Meters)		\$135.23			\$479.47			\$148.04	
38		Costs Incurred to:	31-Dec-06			31-May-07			31-May-07		
39			Ex A12 Tab G a	diusted		Ex A5 adjusted	1		Ex A4 adjust	ed	
40		Commitment re Quantity of Units Installed by December 31, 2007	400,000	lajustea		240,000	I		35,000	cu	
41			,500			2.0,000		1 1	00,000		
42	NOTE:	OM&A Costs include the following:				* The Board wi	ll allow				
43		AMCD Maintenance				half of the prog					
44		AMRC/LAN Maintenance				management c	osts				
45		AMCC Hardware and Software Maintenance									
46		WAN		·							
47		Other (Business Process Redesign/Customer Communication/Program Manage	ement/Change M	anagement)							

	А	В	L	М	N	0	Р	Q	R	S	т
1		very of Costs Incurred for Installed Units (Minimum Functionali						-			
		Breakdown of Functional Specification for an Advanced Meteri									
3											
-			1.	HYDRO C	OTTAWA	1	1		1		
4		CAD \$ MILLIONS			evised 18sep07)			HORIZON		POWERSTREAM	
5					• •						
6		CAPITAL COSTS									
7				\$	Qty		\$	Qty		\$	Qty
8		ADVANCED METERING COMMUNICATION DEVICE (AMCD)									
9		Smart Meter									
10		Installation Cost									
11 12	3.	Workforce Automation									
13		ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)									
14	4.	Collectors									
15		Repeaters									
16	6.	Installation									
17											
18	_	ADVANCED METERING CONTROL COMPUTER (AMCC)									
19		Computer Hardware									
20 21		Computer Software									
21	9.	Computer Software Licence & Installation									
23		WIDE AREA NETWORK (WAN)									
24	10.	Activation Fees									
25											
26		OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY									
27		AMI Interface to CIS									
28 29		Professional Fees Integration									
30		Program Management									
31		riogram managomont									
32		TOTAL CAPITAL COST (CAD \$ Millions)		15.480	114,432		0.816		0	0.074	0
33		TOTAL OM&A COST (CAD \$ Millions) see NOTE		0.221	,		0.239			0	
34		TOTAL COST (CAD \$ Millions)		15.701			1.055			0.074	
35											
36		Total Cost per Unit \$ (Total Cost / Quantity of Smart Meters)			\$137.21			n/	a		n/a
37					\$1071 <u>2</u> 1				ũ		1.74
38		Costs Incurred to:	3	0-Apr-07			30-Apr-07			31-Dec-06	
39		Source:	Ex	A6 adjus	sted		Ex A3 adjust	ted		Ex A10	
40		Commitment re Quantity of Units Installed by December 31, 2007		175,000			50,000			80,000	
41	NOTE										
42 43	NOTE:	OM&A Costs include the following: AMCD Maintenance									
43		AMCD Maintenance AMRC/LAN Maintenance									
44		AMCC Hardware and Software Maintenance									
46		WAN									
47		Other (Business Process Redesign/Customer Communication/Program Manage									

	A	В	U	V	W	¥	V	7	AA	AB	AC	AD	AE	AF
1		very of Costs Incurred for Installed Units (Minimum Functionali	0	v	vv	^		2	AA	AD	AC	ΑD	AL	AI
	Cost	Breakdown of Functional Specification for an Advanced Meteri												
3														
4		CAD \$ MILLIONS		VERI	DIAN		ENERSC	URCE		CHATHA	M-KENT		MIDDLE	SEX
5														
6		CAPITAL COSTS												
7				\$	Qty		\$	Qty		\$	Qty		\$	Qty
8		ADVANCED METERING COMMUNICATION DEVICE (AMCD)												
9		Smart Meter												
10		Installation Cost												
11	3.	Workforce Automation												
12 13		ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)												
14	4	Collectors												
14		Repeaters												
16		Installation												
17	0.													
18		ADVANCED METERING CONTROL COMPUTER (AMCC)												
19	7.	Computer Hardware												
20		Computer Software												
21	9.	Computer Software Licence & Installation												
22														
23		WIDE AREA NETWORK (WAN)												
24	10.	Activation Fees												
25														
26		OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY												
27		AMI Interface to CIS Professional Fees												
28 29														
30		Integration Program Management												
31	14.													
32		TOTAL CAPITAL COST (CAD \$ Millions)		0.043		0	1.514	12,528	2	2.862	17,052		0.557	3,063
33		TOTAL OM&A COST (CAD \$ Millions) ^{see NOTE}		0.045		•	0.293	12,520	, 	0.367	17,052		0.025	3,003
				•										
34		TOTAL COST (CAD \$ Millions)		0.043			1.807			3.229			0.582	
35														
36		Total Cost per Unit \$ (Total Cost / Quantity of Smart Meters)			n/	а		\$144.20)		\$189.34			\$189.96
37														
38		Costs Incurred to:	-	31-Dec-06	_		30-Apr-07			30-Apr-07			30-Apr-07	
39		Source:	E	Ex A13 Tab	в		Ex A2 Upda	ted Adj		K7.2			K7.2 (incl corre	ection)
40		Commitment re Quantity of Units Installed by December 31, 2007		40,000		I	60,000			34,000 (Inci IVI)	I I	(see C-K)	
41 42		OM& A Costs include the following												
42	NUTE:	OM&A Costs include the following: AMCD Maintenance												
43		AMRC/LAN Maintenance												
45		AMCC Hardware and Software Maintenance												
46		WAN												
47		Other (Business Process Redesign/Customer Communication/Program Manage												

	А	В	G AH	AI	AJ AK	AL	AM AN	AO
1		very of Costs Incurred for Installed Units (Minimum Functionali		AI				70
		Breakdown of Functional Specification for an Advanced Meteri						
	COSI	Breakdown of Functional Specification for all Advanced Meteri						
3			i i	1	1	1	1	
4 5		CAD \$ MILLIONS	MILT	ON	NEWN	IARKET		ТАҮ
6		CAPITAL COSTS						
		CAFITAL COSTS	¢	01	¢	0.	¢	01
7 8			\$	Qty	\$	Qty	\$	Qty
9	1	ADVANCED METERING COMMUNICATION DEVICE (AMCD) . Smart Meter						
10		. Installation Cost						
11		. Workforce Automation						
12								
13		ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)						
14	4	. Collectors						
15	5	. Repeaters						
16	6	. Installation						
17								
18 19	7							
20		. Computer Hardware . Computer Software						
20		. Computer Software Licence & Installation						
22	0							
23 24		WIDE AREA NETWORK (WAN)						
24	10	Activation Fees						
25								
26		OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY						
27		. AMI Interface to CIS						
28		Professional Fees						
29 30		. Integration . Program Management						
30	14	. Frogram Management						
32		TOTAL CAPITAL COST (CAD \$ Millions)	0.697	5,494	2.11	1 19,000		o 0
33		TOTAL OM&A COST (CAD \$ Millions) ^{see NOTE}	0.037	3,434	0.23			0
34			0.697		2.34			0
34 35		TOTAL COST (CAD \$ Millions)	0.097		2.34	5		U
						A 4 9 9 7 9		
36		Total Cost per Unit \$ (Total Cost / Quantity of Smart Meters)		\$126.83		\$123.59		n/a
37 38		Costs Insurred to:	20 Apr 07		00 100 0	7	08-Jun-	07
38		Costs Incurred to: Source:	30-Apr-07 Ex A8		08-Jun-0 Ex A9 Con		Ex A11 Co	-
40		Commitment re Quantity of Units Installed by December 31, 2007	LXAO		26,00		4,0	
41		communication of Quantity of Onite instance by December 01, 2007	I	I	20,00		4,0	
42	NOTE:	OM&A Costs include the following:						
43		AMCD Maintenance						
44		AMRC/LAN Maintenance						
45		AMCC Hardware and Software Maintenance						
46		WAN						
47		Other (Business Process Redesign/Customer Communication/Program Manage						