

2015 COST OF SERVICE METHODOLOGY REVIEW

Manitoba Hydro Undertaking # 2

Manitoba Hydro to provide all PCOSS schedules with the scenario provided on slide 20 of Manitoba Hydro's COSS workshop presentation from May 11, 2016, as well please provide a version of Schedules B2 and B3 without deducting the Net Export Revenue (i.e. similar to MIPUG/MH-I-6A).

Response:

Please see the Schedules below.

Manitoba Hydro
 Prospective Cost Of Service Study
 March 31, 2014
 Revenue Cost Coverage Analysis
Model of PUB/MH-55
S U M M A R Y

Customer Class	Total Cost (\$000)	Class Revenue (\$000)	Net Export Revenue (\$000)	Total Revenue (\$000)	RCC % Current Rates	Cost less NER	Change Cost less NER	Change in RCC	Change in NER
Residential	706,857	702,237	18,463	720,700	102.0%	688,393	98,359.4	2.2%	
General Service - Small Non Demand	149,306	161,097	3,803	164,900	110.4%	145,503	21,055.1	2.4%	
General Service - Small Demand	159,272	162,344	4,055	166,399	104.5%	155,217	25,364.3	0.0%	
General Service - Medium	232,545	222,849	5,962	228,811	98.4%	226,583	38,630.6	-1.0%	
General Service - Large 0 - 30kV	116,791	101,353	2,989	104,342	89.3%	113,802	20,153.7	-2.0%	
General Service - Large 30-100kV*	73,972	68,965	1,921	70,886	95.8%	72,051	14,246.2	-4.2%	
General Service - Large >100kV*	249,509	225,785	6,429	232,214	93.1%	243,080	51,056.6	-5.5%	
*Includes Curtailment Customers									
SEP	968	826	-	826	85.4%	968	-	0.0%	
Area & Roadway Lighting	22,786	25,804	197	26,001	114.1%	22,590	1,012.3	13.9%	
Total General Consumers	1,712,006	1,671,261	43,819	1,715,080	100.2%	1,668,187	269,878.1	0.0%	
Diesel	9,948	6,612	262	6,874	69.1%	9,686	363.7	-3.7%	
Export	301,152	345,233	(44,081)	301,152	100.0%				(47,081.9)
Total System	2,023,106	2,023,106	-	2,023,106	100.0%				

Manitoba Hydro
 Prospective Cost Of Service Study - March 31, 2014
 Customer, Demand, Energy Cost Analysis
 Model of PUB/MH-55
 SUMMARY

Class	CUSTOMER			DEMAND				ENERGY		
	Cost (\$000)	Number of Customers	Unit Cost \$/Month	Cost (\$000)	% Recovery	Billable Demand MVA	Unit Cost \$/KVA	Cost (\$000)	Metered Energy mWh	Unit Cost e/kWh
Residential	128,894	486,987	22.06	190,890	0%	n/a	n/a	387,073	7,404,453	7.81 **
GS Small - Non Demand	25,670	53,778	39.78	36,054	0%	n/a	n/a	87,583	1,605,511	7.70 **
GS Small - Demand	8,722	12,492	58.18	41,843	38%	2,390	6.63	108,707	2,047,715	6.58
General Service - Medium	7,628	1,974	322.01	59,714	87%	7,302	7.15	165,204	3,174,662	5.44
General Service - Large <30kV	3,837	288	n/a	25,800	100%	4,042	7.33 *	87,154	1,702,481	5.12
General Service - Large 30-100kV	2,652	40	n/a	9,637	100%	2,894	4.25 *	61,683	1,327,210	4.65
General Service - Large >100kV	2,450	16	n/a	21,027	100%	8,409	2.79 *	226,032	4,903,742	4.61
SEP	326	29	935.95	132	0%	n/a	n/a	509	26,500	2.42 **
Area & Roadway Lighting	16,655	155,024	8.95	2,255	0%	n/a	n/a	3,876	100,487	6.10 **
Total General Consumers	196,833	710,628		387,353		25,038		1,127,820	22,292,761	
Diesel	235	755	25.91	352	0%	n/a	n/a	9,361	13,754	70.62 **
Export	n/a	n/a	n/a	21,172	0%	n/a	n/a	279,979	9,013,000	3.34 ***
Total System	197,068	711,383		408,877		25,038		1,417,161	31,319,515	

* - includes recovery of customer costs
 ** - includes recovery of demand costs
 *** -includes recovery of customer and demand costs

Manitoba Hydro
 Prospective Cost Of Service Study - March 31, 2014
 Functional Breakdown
 Model of PUB/MH-55
 S U M M A R Y

Class	Total Cost (\$000)	Generation		Transmission		Subtransmission		Distribution Cust Service		Distribution Plant Cost	
		Cost (\$000)	%	Cost (\$000)	%	Cost (\$000)	%	Cost (\$000)	%	(\$000)	%
Residential	706,857	385,704	54.6%	49,801	7.0%	33,090	4.7%	71,153	10.1%	167,109	23.6%
General Service - Small Non Demand	149,306	87,286	58.5%	10,636	7.1%	5,973	4.0%	18,082	12.1%	27,329	18.3%
General Service - Small Demand	159,272	108,335	68.0%	12,591	7.9%	6,881	4.3%	4,321	2.7%	27,144	17.0%
General Service - Medium	232,545	164,632	70.8%	19,327	8.3%	9,514	4.1%	6,576	2.8%	32,496	14.0%
General Service - Large <30kV	116,791	86,853	74.4%	9,990	8.6%	4,756	4.1%	3,607	3.1%	11,584	9.9%
General Service - Large 30-100kV	73,972	61,466	83.1%	6,222	8.4%	3,632	4.9%	2,581	3.5%	71	0.1%
General Service - Large >100kV	249,509	225,239	90.3%	21,820	8.7%	0	0.0%	2,421	1.0%	29	0.0%
SEP	968	509	52.6%	132	13.7%	0	0.0%	309	31.9%	17	1.7%
Area & Roadway Lighting	22,786	3,862	16.9%	329	1.4%	451	2.0%	547	2.4%	17,598	77.2%
Total General Consumers	1,712,006	1,123,886	65.6%	130,848	7.6%	64,296	3.8%	109,597	6.4%	283,378	16.6%
Diesel	9,948	9,361	94.1%	0	0.0%	0	0.0%	0	0.0%	587	5.9%
Export	301,152	279,230	92.7%	21,922	7.3%	0	0.0%	0	0.0%	0	0.0%
Total System	2,023,106	1,412,477	69.8%	152,770	7.6%	64,296	3.2%	109,597	5.4%	283,965	14.0%