

TAB "B"

RESPONSE TO BOARD STAFF INTERROGATORY QUESTION #8

Veridian Connections Inc. EB-2007-0879
Response to Board Staff Interrogatory Question #8

Calculation of 6-2 Inputs

Calculation of 6-2 Inputs		Number of Customers (Connections)					
		2002	2003	2004	2005		
		#	#	#	#		
RESIDENTIAL							
Regular	Veridian	61,514	61,443	63,738	74%	65,916	74%
Regular	Belleville	14,259	14,332	14,570	17%	14,782	17%
Regular	Port Hope	4,299	4,261	4,366	5%	4,451	5%
Regular	Brock	1,991	1,982	1,988	2%	2,004	2%
	Scugog	1,942	1,955	1,974	2%	1,981	2%
TOTAL - RESIDENTIAL		84,005.0	83,973.0	86,636.0	100%	89,134.0	100%
GENERAL SERVICE							
Less than 50 kW	Veridian	5,311	5,209	5,292	64%	5,345	64%
Less than 50 kW	Belleville	1,834	1,829	1,830	22%	1,778	21%
Less than 50 kW	Port Hope	517	513	505	6%	524	6%
Less than 50 kW	Brock	323	324	322	4%	329	4%
	Scugog	328	332	333	4%	332	4%
TOTAL - GS LESS THAN 50 KW		8,313	8,207	8,282	100%	8,308	100%
Greater than 50 kW (to 3000 kW)	Veridian	681	703	730	69%	661	66%
Greater than 50 kW (to 3000 kW)	Belleville	220	215	229	22%	226	23%
Greater than 50 kW (to 3000 kW)	Port Hope	47	30	37	4%	59	6%
Greater than 50 kW (to 3000 kW)	Brock	22	22	22	2%	25	3%
	Scugog	24	31	33	3%	26	3%
TOTAL - GS GREATER THAN 50 KW		994	1,001	1,051	100%	997	100%
Intermediate Use	Port Hope	1	1	1	100%	1	100%
TOTAL - INTERMEDIATE USE		1	1	1	100%	1	100%
Large Use (> 5000 kW)	Belleville	1	1	2	50%	2	50%
Large Use (> 5000 kW)	Port Hope	2	2	2	50%	2	50%
TOTAL - LARGE USE		3	3	4	100%	4	100%
Sentinel Lighting	Veridian	476	458	449	57%	416	64%
Sentinel Lighting	Belleville	289	291	291	37%	206	31%
Sentinel Lighting	Port Hope	26	24	14	2%	13	2%
Sentinel Lighting	Brock	1	8	8	1%	5	1%
	Scugog	20	19	22	3%	15	2%
TOTAL SENTINEL LIGHTING		812	800	784	100%	655	100%
Street Lighting	Veridian	15,819	16,693	17,619	72%	17,400	72%
Street Lighting	Belleville	3,925	3,990	4,017	17%	4,037	17%
Street Lighting	Port Hope	1,402	1,444	1,444	6%	1,446	6%
Street Lighting	Brock	609	618	621	3%	623	3%
	Scugog	617	617	617	3%	617	3%
TOTAL - STREET LIGHTING		22,372	23,362	24,318	100%	24,123	100%
TOTALS		116,500	117,347	121,076	123,222		
					123222		
					0		

USED FOR INPUT ON SHEET 6-2 TO CREATE USL CUSTOMER CLASS

USL					
Unmetered Scattered Load	Scugog	19	19	20	
Unmetered Scattered Load	Veridian	730	741	743	
Total		749	760	763	
GS<50 including USL		8,313	8,207	8,282	
less USL		-749	-760	-763	
GS<50 excluding USL		7,564	7,447	7,519	

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Calculation of 6-2 Inputs

Calculation of 6-2 Inputs		Demand Data - kWh					
		2002	2003	2004			
		kWh	kWh	kWh	kWh		
RESIDENTIAL							
Regular	Veridian	667,764,395	618,947,672	620,611,553	73%	673,949,248	74%
Regular	Belleville	136,806,259	140,183,389	140,623,073	17%	150,042,492	16%
Regular	Port Hope	40,212,147	45,304,533	46,726,168	5%	47,093,542	5%
Regular	Brock	20,862,956	22,659,876	23,088,497	3%	23,291,277	3%
	Scugog	20,159,682	20,499,777	20,831,597	2%	21,235,301	2%
TOTAL - RESIDENTIAL		885,805,439	847,595,247	851,880,888	100%	915,611,860	100%
GENERAL SERVICE							
Less than 50 kW	Veridian	178,486,725	171,740,430	184,367,752	62%	193,856,780	64%
Less than 50 kW	Belleville	72,499,420	71,459,408	75,868,705	26%	72,665,744	24%
Less than 50 kW	Port Hope	15,237,140	15,908,768	17,587,971	6%	17,068,613	6%
Less than 50 kW	Brock	8,312,641	8,819,174	8,654,174	3%	8,805,787	3%
	Scugog	10,590,657	9,990,055	10,050,637	3%	10,018,937	3%
TOTAL - GS LESS THAN 50 KW		285,126,583	277,917,835	296,529,239	100%	302,415,861	100%
Greater than 50 kW (to 3000 kW)	Veridian	590,465,971	604,161,096	593,903,873	62%	634,933,848	63%
Greater than 50 kW (to 3000 kW)	Belleville	320,145,144	322,362,188	299,448,101	31%	302,168,464	30%
Greater than 50 kW (to 3000 kW)	Port Hope	27,026,876	36,413,813	35,523,635	4%	40,093,845	4%
Greater than 50 kW (to 3000 kW)	Brock	11,871,160	14,223,427	12,741,201	1%	12,483,250	1%
	Scugog	17,664,092	19,048,704	18,407,101	2%	18,409,523	2%
TOTAL - GS GREATER THAN 50 KW		967,173,243	996,209,028	960,023,911	100%	1,008,088,930	100%
Intermediate Use	Port Hope	17,224,173	17,272,074	19,667,919	100%	20,080,242	100%
TOTAL - INTERMEDIATE USE		17,224,173	17,272,074	19,667,919	100%	20,080,242	100%
Large Use (> 5000 kW)	Belleville	55,713,559	49,386,571	86,966,937	47%	87,310,112	45%
Large Use (> 5000 kW)	Port Hope	103,055,972	106,920,220	97,692,514	53%	106,693,139	55%
TOTAL - LARGE USE		158,769,531	156,306,791	184,659,451	100%	194,003,251	100%
Sentinel Lighting	Veridian	607,947	656,496	567,522	67%	678,290	69%
Sentinel Lighting	Belleville	206,943	249,828	237,912	28%	264,986	27%
Sentinel Lighting	Port Hope	10,071	11,400	12,741	2%	13,245	1%
Sentinel Lighting	Brock	4,416	8,840	6,921	1%	7,226	1%
	Scugog	5,535	16,740	15,899	2%	16,481	2%
TOTAL SENTINEL LIGHTING		834,912	943,304	840,995	100%	980,228	100%
Street Lighting	Veridian	11,945,036	11,494,043	11,725,163	71%	12,231,281	62%
Street Lighting	Belleville	2,222,706	3,003,041	2,845,494	17%	4,676,448	24%
Street Lighting	Port Hope	977,843	1,082,801	986,560	6%	1,881,511	10%
Street Lighting	Brock	401,631	525,461	518,115	3%	531,916	3%
	Scugog	423,318	449,348	445,320	3%	417,076	2%
TOTAL - STREET LIGHTING		15,970,534	16,554,694	16,520,652	100%	19,738,232	100%
TOTALS		2,330,904,415	2,312,798,973	2,330,123,055		2,460,918,604	

USED FOR INPUT ON SHEET 6-2 TO CREATE USL CUSTOMER

USL				
Unmetered Scattered Load	Scugog	161,331	171,174	187,703
Unmetered Scattered Load	Veridian	4,868,700	4,894,032	4,855,455
Total		5,030,031	5,065,206	5,043,158
GS<50 including USL				
less USL		-5,030,031	-5,065,206	-5,043,158
GS<50 excluding USL		280,096,552	272,852,629	291,486,081

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Calculation of 6-2 Inputs

		Demand Data - kW				
		2002	2003	2004	2005	Volumetric Rate Type
		kW	kW	kW	kW	
RESIDENTIAL						
Regular	Veridian					kWh
Regular	Belleville					kWh
Regular	Port Hope					kWh
Regular	Brock					kWh
	Scugog					kWh
TOTAL - RESIDENTIAL						kWh
GENERAL SERVICE						
Less than 50 kW	Veridian					kWh
Less than 50 kW	Belleville					kWh
Less than 50 kW	Port Hope					kWh
Less than 50 kW	Brock					kWh
	Scugog					kWh
TOTAL - GS LESS THAN 50 KW						kWh
Greater than 50 kW (to 3000 kW)	Veridian	1,442,634	1,551,089	1,486,598	64%	1,605,136 64% kW
Greater than 50 kW (to 3000 kW)	Belleville	686,772	744,556	680,246	29%	706,038 28% kW
Greater than 50 kW (to 3000 kW)	Port Hope	85,192	96,625	93,619	4%	103,655 4% kW
Greater than 50 kW (to 3000 kW)	Brock	34,153	40,499	33,950	1%	36,188 1% kW
	Scugog	38,171	43,082	41,720	2%	40,039 2% kW
TOTAL - GS GREATER THAN 50 KW		2,286,922	2,475,851	2,336,133	100%	2,491,066 100% kW
Intermediate Use	Port Hope	39,131	50,180	50,995	100%	53,570 100% kW
TOTAL - INTERMEDIATE USE		39,131	50,180	50,995	100%	53,570 100% kW
Large Use (> 5000 kW)	Belleville	71,435	78,184	140,514	44%	146,009 42% kW
Large Use (> 5000 kW)	Port Hope	169,053	205,114	180,588	56%	197,827 58% kW
TOTAL - LARGE USE		240,488	283,298	321,102	100%	343,836 100% kW
Sentinel Lighting	Veridian	1,674	1,891	1,572	68%	1,884 69% kW
Sentinel Lighting	Belleville	590	795	662	29%	736 27% kW
Sentinel Lighting	Port Hope	28	36	35	2%	37 1% kW
Sentinel Lighting	Brock	12	25	19	1%	20 1% kW
	Scugog	28	19	18	1%	34 1% kW
TOTAL SENTINEL LIGHTING		2,332	2,766	2,306	100%	2,711 100% kW
Street Lighting	Veridian	34,899	29,412	33,384	71%	34,128 71% kW
Street Lighting	Belleville	6,336	7,626	8,083	17%	8,138 17% kW
Street Lighting	Port Hope	2,757	2,771	3,074	7%	3,114 6% kW
Street Lighting	Brock	1,146	1,342	1,468	3%	1,478 3% kW
	Scugog	1,147	1,175	1,152	2%	1,147 2% kW
TOTAL - STREET LIGHTING		46,285	42,326	47,161	100%	48,005 100% kW
TOTALS		2,615,158	2,854,421	2,757,697		2,939,178

USED FOR INPUT ON SHEET 6-2 TO CREATE USL CUSTOMER

USL	
Unmetered Scattered Load	Scugog
Unmetered Scattered Load	Veridian
Total	
GS<50 including USL less USL	
GS<50 excluding USL	

Veridian Connections Inc. EB-2007-0879
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Calculation of 6-2 Inputs

			2004 Rates "Sheet 2"		
			Weighted Rates		
		Distributi on Rate kWh	Distributio n Rate kW	Mthly Service Chrg (Per Cust. or Connection)	
		\$	\$	\$	\$
RESIDENTIAL					
Regular	Veridian	0.0108		10.97	0.0079
Regular	Belleville	0.0116		7.88	0.0019
Regular	Port Hope	0.0080		9.91	0.0004
Regular	Brock	0.0090		12.71	0.0002
	Scugog	0.0080		6.44	0.0002
TOTAL - RESIDENTIAL					0.0107
GENERAL SERVICE					
Less than 50 kW	Veridian	0.0167		13.09	0.0104
Less than 50 kW	Belleville	0.0074		16.81	0.0019
Less than 50 kW	Port Hope	0.0093		5.04	0.0006
Less than 50 kW	Brock	0.0160		11.81	0.0005
	Scugog	0.0068		16.12	0.0002
TOTAL - GS LESS THAN 50 KW					0.0135
Greater than 50 kW (to 3000 kW)	Veridian		3.2531	158.18	2.0701
Greater than 50 kW (to 3000 kW)	Belleville		0.2601	48.10	0.0757
Greater than 50 kW (to 3000 kW)	Port Hope		2.7486	74.47	0.1101
Greater than 50 kW (to 3000 kW)	Brock		3.3583	122.28	0.0488
	Scugog		1.2258	153.28	0.0219
TOTAL - GS GREATER THAN 50 KW					2.3267
Intermediate Use	Port Hope		0.8154	5,128.91	0.8154
TOTAL - INTERMEDIATE USE					0.8154
Large Use (> 5000 kW)	Belleville		1.3225	7,386.55	0.5787
Large Use (> 5000 kW)	Port Hope		0.7345	8,108.97	0.4131
TOTAL - LARGE USE					0.9918
Sentinel Lighting	Veridian		5.5726	2.85	3.7988
Sentinel Lighting	Belleville		1.2767	0.25	0.3665
Sentinel Lighting	Port Hope		0.5289	0.19	0.0080
Sentinel Lighting	Brock		3.7004	1.38	0.0305
	Scugog		5.0658	1.94	0.0395
TOTAL SENTINEL LIGHTING					4.2434
Street Lighting	Veridian		2.8966	0.77	2.0504
Street Lighting	Belleville		0.5469	0.08	0.0937
Street Lighting	Port Hope		0.1107	0.02	0.0072
Street Lighting	Brock		0.1750	0.05	0.0054
	Scugog		3.1252	0.43	0.0763
TOTAL - STREET LIGHTING					2.2332
TOTALS					

USED FOR INPUT ON SHEET 6-2 TO CREATE USL CUSTOMER

USL	
Unmetered Scattered Load	Scugog
Unmetered Scattered Load	Veridian
Total	
GS<50 including USL	
less USL	
GS<50 excluding USL	

Veridian Connections Inc. EB-2007-0879
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Calculation of 6-2 Inputs

			2005 Rates "Sheet 5"		
			Weighted Rates		
			Distribution Rate kWh	Distribution Rate kW	Mthly Service Chrg (Per Cust. or Connection)
			\$	\$	\$
RESIDENTIAL					
Regular	Veridian	0.0142	10.97	0.0105	8.11
Regular	Belleville	0.0163	7.88	0.0027	1.31
Regular	Port Hope	0.0118	9.91	0.0006	0.49
Regular	Brock	0.0102	12.71	0.0003	0.29
	Scugog	0.0115	8.27	0.0003	0.18
TOTAL - RESIDENTIAL				0.0143	10.38
GENERAL SERVICE					
Less than 50 kW	Veridian	0.0198	13.09	0.0127	8.42
Less than 50 kW	Belleville	0.0101	16.81	0.0024	3.60
Less than 50 kW	Port Hope	0.0115	5.04	0.0006	0.32
Less than 50 kW	Brock	0.0172	11.81	0.0005	0.47
	Scugog	0.0097	20.71	0.0003	0.83
TOTAL - GS LESS THAN 50 KW				0.0166	13.63
Greater than 50 kW (to 3000 kW)	Veridian	3.8150	158.18	2.4582	104.87
Greater than 50 kW (to 3000 kW)	Belleville	0.2781	48.10	0.0788	10.90
Greater than 50 kW (to 3000 kW)	Port Hope	3.3088	74.47	0.1377	4.41
Greater than 50 kW (to 3000 kW)	Brock	3.5702	122.28	0.0519	3.07
	Scugog	1.7608	196.93	0.0283	5.14
TOTAL - GS GREATER THAN 50 KW				2.7549	128.38
Intermediate Use	Port Hope	1.1045	5,128.91	1.1045	5,128.91
TOTAL - INTERMEDIATE USE				1.1045	5,128.91
Large Use (> 5000 kW)	Belleville	1.7396	7,386.55	0.7387	3,693.28
Large Use (> 5000 kW)	Port Hope	0.9546	8,108.97	0.5492	4,054.49
TOTAL - LARGE USE				1.2879	7,747.76
Sentinel Lighting	Veridian	7.7478	2.85	5.3843	1.81
Sentinel Lighting	Belleville	1.5618	0.25	0.4240	0.08
Sentinel Lighting	Port Hope	1.1436	0.19	0.0156	0.00
Sentinel Lighting	Brock	3.9039	1.38	0.0288	0.01
	Scugog	8.0740	2.50	0.1013	0.06
TOTAL SENTINEL LIGHTING				5.9540	1.96
Street Lighting	Veridian	4.0745	0.77	2.8967	0.56
Street Lighting	Belleville	0.7703	0.08	0.1306	0.01
Street Lighting	Port Hope	0.1650	0.02	0.0107	0.00
Street Lighting	Brock	0.2026	0.05	0.0062	0.00
	Scugog	4.4577	0.55	0.1065	0.01
TOTAL - STREET LIGHTING				3.1507	0.59
TOTALS					

USED FOR INPUT ON SHEET 6-2 TO CREATE USL CUSTOMER

USL	
Unmetered Scattered Load	Scugog
Unmetered Scattered Load	Veridian
Total	
GS<50 including USL	
less USL	
GS<50 excluding USL	

Veridian Connections Inc. EB-2007-0879
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Calculation of 6-2 Inputs

			2005 Rates "Sheet 9"			Weighted Rates		
			Distribution Rate kWh	Distribution Rate kWh	Mthly Service Chrg (Per Cust. or Connection)	Distribution Rate kWh	Distribution Rate kWh	Mthly Service Chrg (Per Cust. or Connection)
			\$	\$	\$	\$	\$	\$
RESIDENTIAL								
Regular	Veridian		0.0147		10.97	0.0108		8.11
Regular	Belleville		0.0168		7.88	0.0028		1.31
Regular	Port Hope		0.0121		9.91	0.0006		0.49
Regular	Brock		0.0106		12.71	0.0003		0.29
	Scugog		0.0140		8.27	0.0003		0.18
TOTAL - RESIDENTIAL						0.0148		10.38
GENERAL SERVICE								
Less than 50 kW	Veridian		0.0202		13.09	0.0129		8.42
Less than 50 kW	Belleville		0.0101		16.81	0.0024		3.60
Less than 50 kW	Port Hope		0.0115		5.04	0.0006		0.32
Less than 50 kW	Brock		0.0176		11.81	0.0005		0.47
	Scugog		0.0122		20.71	0.0004		0.83
TOTAL - GS LESS THAN 50 KW						0.0169		13.63
Greater than 50 kW (to 3000 kW)	Veridian			3.7865	158.18		2.4399	104.87
Greater than 50 kW (to 3000 kW)	Belleville			0.0747	48.10		0.0212	10.90
Greater than 50 kW (to 3000 kW)	Port Hope			3.2525	74.47		0.1353	4.41
Greater than 50 kW (to 3000 kW)	Brock			3.5538	122.28		0.0516	3.07
	Scugog			2.8914	196.93		0.0465	5.14
TOTAL - GS GREATER THAN 50 KW							2.6945	128.38
Intermediate Use	Port Hope			1.0031	5,128.91		1.0031	5,128.91
TOTAL - INTERMEDIATE USE							1.0031	5,128.91
Large Use (> 5000 kW)	Belleville			1.5148	7,386.55		0.6433	3,693.28
Large Use (> 5000 kW)	Port Hope			0.7512	8,108.97		0.4322	4,054.49
TOTAL - LARGE USE							1.0755	7,747.76
Sentinel Lighting	Veridian			8.1949	2.85		5.6950	1.81
Sentinel Lighting	Belleville			1.4638	0.25		0.3974	0.08
Sentinel Lighting	Port Hope			1.1255	0.19		0.0154	0.00
Sentinel Lighting	Brock			3.8799	1.38		0.0286	0.01
	Scugog			10.3269	2.50		0.1295	0.06
TOTAL SENTINEL LIGHTING							6.2659	1.96
Street Lighting	Veridian			4.2178	0.77		2.9985	0.56
Street Lighting	Belleville			0.6215	0.08		0.1054	0.01
Street Lighting	Port Hope			0.1008	0.01		0.0065	0.00
Street Lighting	Brock			0.0318	0.05		0.0010	0.00
	Scugog			5.4356	0.55		0.1299	0.01
TOTAL - STREET LIGHTING							3.2413	0.58
TOTALS								

USED FOR INPUT ON SHEET 6-2 TO CREATE USL CUSTOMER

USL	
Unmetered Scattered Load	Scugog
Unmetered Scattered Load	Veridian
Total	
GS<50 including USL	
less USL	
GS<50 excluding USL	