

SCHEDULE 9.10

Support for Allocators

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1													
2 2017 Sales allocation for COS													
3													
4 Small General	100,082	90,322	82,909	54,804	32,245	12,892	13,050	12,321	12,066	29,675	55,324	82,446	578,136
5 Mid General	179,703	168,772	154,683	96,245	61,623	25,579	26,791	24,830	24,241	49,524	91,421	135,750	1,039,161
6 Large General	207,226	179,041	175,884	111,276	102,626	58,269	62,708	58,175	57,629	99,730	130,581	178,666	1,421,810
7 Contract General	116,978	101,414	99,812	65,879	60,209	29,008	30,176	29,976	28,940	48,662	76,888	102,614	790,555
8 Industrial Contract General	289,284	277,212	231,136	167,316	99,733	87,588	84,630	80,879	77,269	130,212	157,354	183,002	1,865,613
9 OPS	285	257	285	4,186	4,260	4,546	4,965	4,906	4,255	5,353	276	285	33,858
10	893,557	817,017	744,708	499,705	360,695	217,882	222,320	211,086	204,400	363,155	511,844	682,763	5,729,134

		Max Month	Max Month	Max Month	Max Month	Min Month	Min Month	Min Month	Min Month	
	Winter4	Usage	Customers	Use per Cust	Usage	Customers	Use per Cust	Customers	Use per Cust	
1										
2	2017 Sales allocation for COS									
3										
4	Small General	355,758	100,082	Jan	8,177	12	12,066	Sep	8,157	1
5	Mid General	638,907	179,703	Jan	3,035	59	24,241	Sep	3,062	8
6	Large General	740,817	207,226	Jan	388	534	57,629	Sep	396	146
7	Contract General	420,817	116,978	Jan	76	1,539	28,940	Sep	79	366
8	Industrial Contract General	980,634	289,284	Jan	9	32,143	77,269	Sep	9	8,585
9	OPS	1,113	5,353	Oct	16	335	257	Feb	16	16
10		3,138,046	893,557							

1			1	2	3	4	5	6
2	<u>Allocator Name</u>	<u>TOTAL</u>	Small General	Mid General	Large General	Contract General	Industrial Contract General	OPS
3								
4	<u>ALLOCATOR VALUES</u>		<u>R</u>	<u>C</u>	<u>C</u>	<u>I</u>	<u>I</u>	<u>M</u>
5	MetersRead	12,219	8,170	3,055	590	234	90	80
6	Peak	39,900	4,798	8,393	9,266	5,433	12,009	0
7	Write-offs	273,587	44,881	80,627	74,587	31,854	40,312	1,326
8	Winter4	3,138,046	355,758	638,907	740,817	420,817	980,634	1,113
9	Billing	452,586	292,349	109,318	14,063	27,911	3,220	5,725
10	Call Center	877,069	680,025	169,521	21,807	4,328	499	888
11	Total Revenues	44,042,769	7,225,106	12,979,500	12,007,240	5,127,887	6,489,585	213,451
12	Meter_Invest	7,041,550	1,756,550	3,971,500	820,977	213,954	257,769	20,800
13	Service_Invest	85,664,311	50,890,930	24,925,745	4,650,369	2,917,434	2,149,289	130,544

2015 Regulatory Financial Statements/2017 Rate Application

	Small General	Mid General	Large General	Contract General	Industrial Contract General	OPS
1						
2 Number of Customers	8,170	3,055	393	78	9	16
3 Meter Reading Weighting	1.0	1.0	1.5	3.0	10.0	5.0
4 Meter Reading Allocators	8,170	3,055	590	234	90	80

					Small General	Mid General	Large General	Contract General	Industrial Contract General	
					<u>R</u>	<u>C</u>	<u>C</u>	<u>I</u>	<u>I</u>	
1	Design Day Calculation									
2										
3										
4	Monthly Sales	2017			12,066	24,241	57,629	28,940	77,269	
5	Daily Sales	Base per day	# of days in	1 months	402	808	1,921	965	2,576	
6	Base Sales for Year	(GJ)	365	7,682.3	578,136	1,039,161	1,421,810	790,555	1,865,613	
7	Base Use	-----	Base	per day * 365	146,802	294,927	701,154	352,104	940,110	
8	Thermal Use	-----	Sendout-Base	per day * 365	431,334	744,234	720,656	438,451	925,503	
9	Thermal Coef.	-----	Thermal Use	/HDD	56.15	96.88	93.81	57.07	120.47	
10	Peak Day (F)	@ 79.92 DD	Thermal coef	*79.92DD +base	per day	4,798	8,393	9,266	5,433	12,009
11	Average	Number of	Customers		8,170	3,055	393	78	9	
12	Peak Day	divided by	Ave No. Cust		0.59	2.75	23.58	69.66	1,334.28	
13	Load Factor	-----	Sendout	/(Peak Day*365)	0.33	0.34	0.42	0.40	0.43	
14	Average Daily Demand	-	Sendout/	365	therms	1,584	2,847	3,895	2,166	5,111

2015 Regulatory Financial Statements/2017 Rate Application

1 Uncollectable Accounts		
2		
3 Uncollectable Accounts	\$ 277,546	
4		% of total revenue
5 Total Distribution Revenue	44,042,769	99%
6		
7 Total IS Revenue	637,379	1%
8		
9 Total Revenue	<u>\$ 44,680,148</u>	<u>100%</u>
10		
11		
12 Breakdown of Uncollectable Accounts amount		
13		
14		
15 UTILITY		Uncollectable
16 Revenue Allocation		Accounts Alloc.
17 Small General	16%	\$44,881
18 Mid General	29%	\$80,627
19 Large General	27%	\$74,587
20 Contract General	12%	\$31,854
21 Industrial Contract General	15%	\$40,312
22 OPS	0%	<u>\$1,326</u>
23		
24	100%	\$273,587
25		
26 RETAIL		<u>\$3,959</u>
27		
28 Total		<u><u>\$277,546</u></u>

1 Allocation of Billing and Customer service based on Actual usage of Call Centre

2

3

4 Month

	Call Centre cost	Billing Costing
5 Jan-17	\$73,089.08	\$35,364.25
6 Feb-17	\$73,089.08	\$34,313.35
7 Mar-17	\$73,089.08	\$35,364.25
8 Apr-17	\$73,089.08	\$39,224.13
9 May-17	\$73,089.08	\$35,581.43
10 Jun-17	\$73,089.08	\$36,564.13
11 Jul-17	\$73,089.08	\$39,581.43
12 Aug-17	\$73,089.08	\$35,581.43
13 Sep-17	\$73,089.08	\$35,224.13
14 Oct-17	\$73,089.08	\$39,581.43
15 Nov-17	\$73,089.08	\$35,224.13
16 Dec-17	\$73,089.08	\$50,981.43

17

18

19

		Small General	Mid General	Large General	Contract General	Industrial Contract General	OPS
20							
21 Number of Customers	11,721	8,170	3,055	393	78	9	16
22 Call Centre	15,806	12,255	3,055	393	78	9	16
23 Call Center Weighting*		1.5	1.0	1.0	1.0	1.0	1.0
24 Call Center Dollars	\$877,069.00	\$680,025.34	\$169,520.80	\$21,807.42	\$4,328.19	\$499.41	\$887.83
25		78%					
26 Billing	12,648	8,170	3,055	393	780	90	160
27 Billing Weighting*		1.0	1.0	1.0	10.0	10.0	10.0
28 Billing Dollars	\$452,585.54	\$292,348.50	\$109,317.59	\$14,062.79	\$27,910.87	\$3,220.49	\$5,725.31
29							
30 Total	\$1,329,654.54	\$972,373.85	\$278,838.39	\$35,870.21	\$32,239.06	\$3,719.89	\$6,613.14

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18

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		Small General	Mid General	Large General	Contract General	Industrial Contract General	OPS
20							
21 Number of Customers	11,721	8,170	3,055	393	78	9	16
22 Call Centre	15,806	12,255	3,055	393	78	9	16
23 Call Center Weighting*		1.5	1.0	1.0	1.0	1.0	1.0
24 Call Center Dollars	\$877,069.00	\$680,025.34	\$169,520.80	\$21,807.42	\$4,328.19	\$499.41	\$887.83
25		78%					
26 Billing	12,648	8,170	3,055	393	780	90	160
27 Billing Weighting*		1.0	1.0	1.0	10.0	10.0	10.0
28 Billing Dollars	\$452,585.54	\$292,348.50	\$109,317.59	\$14,062.79	\$27,910.87	\$3,220.49	\$5,725.31
29							
30 Total	\$1,329,654.54	\$972,373.85	\$278,838.39	\$35,870.21	\$32,239.06	\$3,719.89	\$6,613.14

1 2017 Sales allocations for COS

2	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
3 Small General	1,092,459	1,000,400	930,513	665,078	451,868	268,934	270,319	263,306	260,788	427,033	669,185	925,223	7,225,106
4 Mid General	2,095,015	1,984,615	1,843,716	1,216,296	811,694	390,528	403,686	381,331	375,312	672,774	1,159,793	1,644,739	12,979,500
5 Large General	1,721,316	1,527,224	1,506,345	1,018,675	765,772	426,422	440,876	426,717	562,470	905,414	1,178,099	1,527,909	12,007,240
6 Contract General	784,718	690,969	681,324	477,779	195,753	137,976	140,203	139,821	256,989	375,785	545,807	700,764	5,127,887
7 Industrial Contract General	795,570	774,687	694,985	584,589	388,666	377,280	374,506	370,990	428,827	520,406	567,357	611,724	6,489,585
8 OPS	2,516	2,350	2,516	26,000	26,446	28,170	30,690	30,337	26,416	33,030	2,462	2,516	213,451
9 Total	6,491,594	5,980,246	5,659,398	3,988,417	2,640,199	1,629,309	1,660,281	1,612,502	1,910,803	2,934,443	4,122,703	5,412,875	44,042,769

1 Base Year		2017										
2												
3 Pipe Costs \$\$ / metre												
4		Fredericton	Oromocto	Moncton	Dieppe	Riverview	Saint John	St. George	St. Stephen	Sackville	Average	
5 2" Plastic		218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	
6 4" Plastic		218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	
7	Average	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	
8												
9 Services Cost												
10		Fredericton	Oromocto	Moncton	Dieppe	Riverview	Saint John	St. George	St. Stephen	Sackville	Average	
11 Residential - Electric	BB	6,229	6,229	6,229	6,229	6,229	6,229	6,229	6,229	6,229	6,229	
12 Residential - Oil	CH	6,229	6,229	6,229	6,229	6,229	6,229	6,229	6,229	6,229	6,229	
13 Commercial - Small	EL	8,159	8,159	8,159	8,159	8,159	8,159	8,159	8,159	8,159	8,159	
14 Commercial - Med	EL	11,833	11,833	11,833	11,833	11,833	11,833	11,833	11,833	11,833	11,833	
15 Commercial - Large	EL	37,403	37,403	37,403	37,403	37,403	37,403	37,403	37,403	37,403	37,403	
16												
17 Meter & Regulator Cost												
18		Fredericton	Oromocto	Moncton	Dieppe	Riverview	Saint John	St. George	St. Stephen	Sackville	Average	
19 Residential	BB	215	215	215	215	215	215	215	215	215	215	
20 Commercial - Small	EL	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	
21 Commercial - Med	EL	2,089	2,089	2,089	2,089	2,089	2,089	2,089	2,089	2,089	2,089	
22 Commercial - Large	EL	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,743	
23												
24												
25												
26		Small General	Mid General	Large General	Contract General	Industrial Contract General	OPS	CLVOP				
27 Customers		8,170	3,055	393	78	9	16	-				
28 PeakDay		4,798	8,393	9,266	5,433	12,009	-	-				
29 Annual Usage		578,136	1,039,161	1,421,810	790,555	1,865,613	33,858	-				
30 PeakDay per Cust		0.59	2.75	23.58	69.66	1334.28	-	-				
31 Annual Usage per Cust		71	340	3,618	10,135	207,290	2,116	-				
32 Max Month per Cust Usage		12	59	534	1,539	32,143	335	-				
33												
34 Service Costs		6,229	8,159	11,833	37,403	238,810	8,159	-				
35 Meter Costs		215	1,300	2,089	2,743	28,641	1,300	-				
36 Ecom of Scale Metric Usage (Max Month/Max Month next smaller class)			9.0	2.9								
37 Ecom of Scale Service Cost (Service Cost/Service Cost next smaller class)			1.5	3.2								
38 Ecom of Scale Meter Cost (Meter Cost/Meter Cost next smaller class)			1.6	1.3								
39 Using a 2 to 1 Scaler for Cost to Usage Services				1								
40 Using a 2 to 1 Scaler for Cost to Usage Meters				2								
41												
42												
43 Mid General and OPS meter and Service Costs are set equal based on Max Month per Cust Usage												
44 Contract General and HFO Contract Meter and Service costs are ratio based on Max Month per Cust Usage (Divided by 3 for Ecom of Scale)												

1 Base Year		2017										
2												
3 Pipe Costs \$\$ / metre												
4		Fredericton	Oromocto	Moncton	Dieppe	Riverview	Saint John	St. George	St. Stephen	Sackville	Average	
5	2" Plastic	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	
6	4" Plastic	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	
7	Average	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	218.00	
8												
9 Services Cost												
10		Fredericton	Oromocto	Moncton	Dieppe	Riverview	Saint John	St. George	St. Stephen	Sackville	Average	
11	Residential - Electric BB	6,229	6,229	6,229	6,229	6,229	6,229	6,229	6,229	6,229	6,229	
12	Residential - Oil CH	6,229	6,229	6,229	6,229	6,229	6,229	6,229	6,229	6,229	6,229	
13	Commercial - Small EL	8,159	8,159	8,159	8,159	8,159	8,159	8,159	8,159	8,159	8,159	
14	Commercial - Med EL	11,833	11,833	11,833	11,833	11,833	11,833	11,833	11,833	11,833	11,833	
15	Commercial - Large EL	37,403	37,403	37,403	37,403	37,403	37,403	37,403	37,403	37,403	37,403	
16												
17 Meter & Regulator Cost												
18		Fredericton	Oromocto	Moncton	Dieppe	Riverview	Saint John	St. George	St. Stephen	Sackville	Average	
19	Residential BB	215	215	215	215	215	215	215	215	215	215	
20	Commercial - Small EL	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	
21	Commercial - Med EL	2,089	2,089	2,089	2,089	2,089	2,089	2,089	2,089	2,089	2,089	
22	Commercial - Large EL	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,743	2,743	
23												
24												
25												
26		Small General	Mid General	Large General	Contract General	Industrial Contract General	OPS	CLVOP				
27	Customers	8,170	3,055	393	78	9	16	-				
28	PeakDay	4,798	8,393	9,266	5,433	12,009	-	-				
29	Annual Usage	578,136	1,039,161	1,421,810	790,555	1,865,613	33,858	-				
30	PeakDay per Cust	0.59	2.75	23.58	69.66	1334.28	-	-				
31	Annual Usage per Cust	71	340	3,618	10,135	207,290	2,116	-				
32	Max Month per Cust Usage	12	59	534	1,539	32,143	335	-				
33												
34	Service Costs	6,229	8,159	11,833	37,403	238,810	8,159	-				
35	Meter Costs	215	1,300	2,089	2,743	28,641	1,300	-				
36	Ecom of Scale Metric Usage (Max Month/Max Month next smaller class)		9.0	2.9								
37	Ecom of Scale Service Cost (Service Cost/Service Cost next smaller class)		1.5	3.2								
38	Ecom of Scale Meter Cost (Meter Cost/Meter Cost next smaller class)		1.6	1.3								
39	Using a 2 to 1 Scaler for Cost to Usage Services			1								
40	Using a 2 to 1 Scaler for Cost to Usage Meters			2								
41												
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43 Mid General and OPS meter and Service Costs are set equal based on Max Month per Cust Usage												
44 Contract General and HFO Contract Meter and Service costs are ratio based on Max Month per Cust Usage (Divided by 3 for Ecom of Scale)												