

SCHEDULE 5.1

Derivation Tables for Market Based Rates

Derivation of distribution rates for the SGS rate class using electricity as the alternative energy source and a target savings of 20%.

Derivation of Distribution Rates - Electricity			
	Units	Calculation	SGS
1	Lines 1 - 5 not used		
6	Total Alternative Energy Cost	\$/ year Retail Electricity Cost	\$3,239.83
7	Target Savings Level	% Assigned	20%
8	Target Savings Amount	\$ Line 6 x Line 7	\$647.97
9	Target Natural Gas Cost	\$ Line 6 - Line 8	\$2,591.87
10	Typical Annual Natural Gas Consumption	GJs/ year Typical Customer	117
11	Target Burner Tip Price	\$/GJ Line 9 / 10	22.2181
12	Commodity Cost	\$/GJ EUG Price	9.3459
13	Target Distribution Rate	\$/GJ Line 11 - Line 13	12.8722
14	Target Annual Distribution Charge	\$ Line 13 x Line 10	\$1,501.61
15	Monthly Customer Charge	\$ Assigned	\$16.00
16	Annual Customer Charge	\$ Line 15 * 12	\$192.00
17	Average Contract Demand	GJs Average	N/A
18	Contract Demand Charge	\$ Assigned	0
19	Revenue from Demand Charge	\$ Line 17 * Line 18 * 12	0
20	Target Revenue From Delivery Charge	\$ Line 14 - Lines 16 or 19	\$1,309.61
21	Distribution Delivery Charge	\$/GJ Line 20/Line 10	\$11.2263

Derivation of distribution rates for MGS, LGS, CGS and ICGS rate classes using No. 2 Heating Oil as the alternative energy source and a target savings of 15%.

Derivation of Distribution Rates - Oil						
	Units	Calculation	MGS	LGS	CGS	ICGS
1	Alternative Energy Price	CAN\$/l Retail Oil Price	\$0.9413	\$0.9307	\$0.9192	\$0.9135
2	Assumed Efficiency Factor	% Assigned	81.25%	81.25%	100.00%	100.00%
3	Typical Annual Oil Consumption	GJs/year Line 10 / Line 2	844	3,553	12,547	231,513
4	Conversion Factor	l/GJ Assigned	25.8532	25.8532	25.8532	25.8532
5	Typical Annual Consumption	in litres Line 3 x Line 4	21,820	91,856	324,380	5,985,352
6	Total Alternative Energy Cost	\$/ year Line 1 x Line 5	\$20,539.56	\$85,492.57	\$298,162.82	\$5,467,905.07
7	Target Savings Level	% Assigned	15%	15%	15%	15%
8	Target Savings Amount	\$ Line 6 x Line 7	\$3,080.93	\$12,823.89	\$44,724.42	\$820,185.76
9	Target Natural Gas Cost	\$ Line 6 - Line 8	\$17,458.63	\$72,668.68	\$253,438.40	\$4,647,719.31
10	Typical Annual Natural Gas Consumption	GJs/ year Typical Customer	686	2,886	12,547	231,513
11	Target Burner Tip Price	\$/GJ Line 9 / 10	\$25.45	\$25.18	\$20.20	\$20.08
12	Commodity Cost	\$/GJ EUG or EVP price	\$9.3459	\$9.3459	\$9.3459	\$6.0095
13	Target Distribution Rate	\$/GJ Line 11 - Line 13	\$16.1088	\$15.8295	\$10.8536	\$14.0659