

## 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	\$2,146.94
7	Target Savings Level	%	Assigned	20%
8	Target Savings Amount	\$	Line 6 x Line 7	\$429.39
9	Target Natural Gas Cost	\$	Line 6 - Line 8	\$1,717.55
10	Typical Annual Natural Gas Consumption	GJs/ year	Typical Customer	84.61
11	Target Burner Tip Price	\$/GJ	Line 9 / 10	20.2996
12	Commodity Cost	\$/GJ	EUG Price	12.8951
13	Target Distribution Rate	\$/GJ	Line 11 - Line 13	7.4045
14	Target Annual Distribution Charge	\$	Line 13 x Line 10	\$626.50
15	Monthly Customer Charge	\$	Assigned	\$18.00
16	Annual Customer Charge	\$	Line 15 * 12	\$216.00
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	\$410.50
21	Distribution Delivery Charge	\$/GJ	Line 20/Line 10	\$4.8516

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	\$1.0446	\$1.0329	\$1.0238	\$1.0177
2	Assumed Efficiency Factor	%	Assigned	81.25%	81.25%	100.00%	100.00%
3	Typical Annual Oil Consumption	GJs/year	Line 10 / Line 2	621	4,496	8,477	196,543
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	16,055	116,236	219,158	5,081,265
6	Total Alternative Energy Cost	\$/ year	Line 1 x Line 5	\$16,770	\$120,055	\$224,366	\$5,171,183
7	Target Savings Level	%	Assigned	15%	15%	15%	15%
8	Target Savings Amount	\$	Line 6 x Line 7	\$2,515.56	\$18,008.22	\$33,654.95	\$775,677.39
9	Target Natural Gas Cost	\$	Line 6 - Line 8	\$14,254.84	\$102,046.57	\$190,711.36	\$4,395,505.24
10	Typical Annual Natural Gas Consumption	GJs/ year	Typical Customer	504.80	3,653.33	8,476.65	196,543.47
11	Target Burner Tip Price	\$/GJ	Line 9 / 10	\$28.24	\$27.93	\$22.50	\$22.36
12	Commodity Cost	\$/GJ	EUG	\$12.8951	\$12.8951	\$12.8951	\$12.8951
13	Target Distribution Rate	\$/GJ	Line 11 - Line 13	\$15.3435	\$15.0374	\$9.6033	\$9.4689