

SCHEDULE 5.3
Alternative Fuel Calculations

SGS(R) Alternative Fuel Calculation

Electricity Pricing SGS - Residential for 2014

Month	Expected Increase	Electric Heating Usage		Electric Water Heater Usage		Total Usage	Water Heater Rental	Total Electric Cost
		Usage Profile	kWh usage	Usage Profile	kWh usage			
Jan-14		20.00%	3,056	9.83%	473	3,529	\$7.95	\$362.55
Feb-14		24.00%	3,667	9.18%	442	4,109	\$7.95	\$420.79
Mar-14		14.34%	2,192	9.79%	471	2,663	\$7.95	\$275.55
Apr-14		12.71%	1,943	9.67%	466	2,409	\$7.95	\$249.95
May-14		4.70%	718	8.08%	389	1,107	\$7.95	\$119.18
Jun-14		2.59%	396	7.00%	337	733	\$7.95	\$81.60
Jul-14		0.50%	76	6.51%	314	390	\$7.95	\$47.08
Aug-14		0.00%	-	6.44%	310	310	\$7.95	\$39.11
Sep-14		0.00%	-	6.79%	327	327	\$7.95	\$40.80
Oct-14	2%	1.98%	303	7.83%	377	680	\$8.10	\$77.80
Nov-14	2%	5.56%	850	8.82%	425	1,275	\$8.10	\$138.74
Dec-14	2%	13.61%	2,080	10.07%	485	2,565	\$8.10	\$270.96
		100%	15,282	100%	4,816	20,097	\$95.83	\$2,124.11

Price for electricity	
All kilowatt hours	
2013 Current Rate (Jan 2013 - Sep 2013)	\$0.0985
2013 Increase (Oct 2013 - Sep 2014)	\$0.1005
2014 Increase (Oct 2014 - Dec 2014)	\$0.1025
Estimated Heating Use	15282
Estimated Water Heater Use	4816
Water Heater Rental (60 Gallon)	
2013 Current Rate (Jan 2013 - Sep 2013)	\$7.79
2013 Increase (Oct 2013 - Sep 2014)	\$7.95
2014 Increase (Oct 2014 - Dec 2014)	\$8.10

EGNB has assumed a 2% increase in electricity costs in October 2013 and another 2% increase in October 2014. A news release regarding NB Power rate increases can be found at http://www2.gnb.ca/content/gnb/en/news/news_release.2013.05.0503.html.

SGS(C) Alternative Fuel Calculation

Electricity Pricing SGS - Commercial for 2014

Month	Expected Increase	Plug Load kWh Usage	Plug Load KW	Base NG Usage			Space Heat NG Usage			Total Usage	Total KW	Total Electric Displaced Cost
				Usage Profile	kWh Usage	KW	Usage Profile	kWh Usage	KW			
Jan-14		3531	9.5	7.09%	592	9.5	21.83%	6,048	64.2	10,171	83.2	\$1,255.05
Feb-14		3189	9.5	8.08%	675	9.5	22.98%	6,365	60.7	10,229	79.7	\$1,267.74
Mar-14		3531	9.5	7.10%	593	9.5	14.50%	4,018	38.9	8,142	57.9	\$828.63
Apr-14		3417	9.5	8.72%	729	9.5	10.70%	2,964	26.4	7,110	45.4	\$629.40
May-14		3531	9.5	8.45%	706	9.5	3.91%	1,084	13.3	5,321	32.3	\$330.10
Jun-14		3417	9.5	13.87%	1,158	9.5	0.02%	6	-	4,581	19.0	\$143.32
Jul-14		3531	9.5	10.28%	858	9.5	0.00%	-	-	4,389	19.0	\$105.65
Aug-14		3531	9.5	7.54%	630	9.5	0.00%	-	-	4,161	19.0	\$77.57
Sep-14		3417	9.5	10.91%	911	9.5	0.67%	187	1.0	4,515	20.0	\$135.20
Oct-14	2%	3531	9.5	6.05%	506	9.5	3.63%	1,005	8.6	5,042	27.6	\$264.62
Nov-14	2%	3417	9.5	5.55%	463	9.5	7.24%	2,007	22.2	5,887	41.2	\$490.87
Dec-14	2%	3531	9.5	6.36%	531	9.5	14.50%	4,018	35.7	8,080	54.7	\$807.52
		41,574	114	100.0%	8,352	114	100.0%	27,702	271	77,628	499	\$ 6,335.67

Price for electricity	
2013 Current Rate (Jan 2013 - Sep 2013)	
First 5000 KWh	\$0.1207
After 5000 KWh	\$0.0856
2013 Increase (Oct 2013 - Sep 2014)	
First 5000 KWh	\$0.1231
After 5000 KWh	\$0.0873
2014 Increase (Oct 2014 - Dec 2014)	
First 5000 KWh	\$0.1256
After 5000 KWh	\$0.0891
Price for demand	
2013 Current Rate (Jan 2013 - Sep 2013)	
First 20 KW	No Charge
After 20KW	\$9.66
2013 Increase (Oct 2013 - Sep 2014)	
First 20 KW	No Charge
After 20KW	\$9.85
2014 Increase (Oct 2014 - Dec 2014)	
First 20 KW	No Charge
After 20KW	\$10.05

EGNB has assumed a 2% increase in electricity costs in October 2013 and another 2% increase in October 2014. A news release regarding NB Power rate increases can be found at http://www2.gnb.ca/content/gnb/en/news/news_release.2013.05.0503.html.

Review of 2012 Regulatory Financial Statements/2014 Rate Application

No.2 Heating Oil Pricing	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
AVERAGE (US\$/gal)	2.9690	2.9669	2.9558	2.9389	2.9233	2.9089	2.9010	2.8951	2.8900	2.8839	2.8771	2.8696
Foreign Exchange (CAD/USD)	0.9614	0.9614	0.9593	0.9593	0.9593	0.9572	0.9572	0.9572	0.9550	0.9550	0.9550	0.9493
CANS/litre	\$0.7540	\$0.7535	\$0.7490	\$0.7447	\$0.7408	\$0.7355	\$0.7335	\$0.7320	\$0.7291	\$0.7275	\$0.7258	\$0.7196
Market Spreads (Can\$/litre)												
MGS	\$0.2000	\$0.2000	\$0.2000	\$0.2000	\$0.2000	\$0.2000	\$0.2000	\$0.2000	\$0.2000	\$0.2000	\$0.2000	\$0.2000
LGS	\$0.1900	\$0.1900	\$0.1900	\$0.1900	\$0.1900	\$0.1900	\$0.1900	\$0.1900	\$0.1900	\$0.1900	\$0.1900	\$0.1900
CGS	\$0.1800	\$0.1800	\$0.1800	\$0.1800	\$0.1800	\$0.1800	\$0.1800	\$0.1800	\$0.1800	\$0.1800	\$0.1800	\$0.1800
ICGS	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750
Monthly Price (Can\$/litre)												
MGS	\$0.9540	\$0.9535	\$0.9490	\$0.9447	\$0.9408	\$0.9355	\$0.9335	\$0.9320	\$0.9291	\$0.9275	\$0.9258	\$0.9196
LGS	\$0.9440	\$0.9435	\$0.9390	\$0.9347	\$0.9308	\$0.9255	\$0.9235	\$0.9220	\$0.9191	\$0.9175	\$0.9158	\$0.9096
CGS	\$0.9340	\$0.9335	\$0.9290	\$0.9247	\$0.9208	\$0.9155	\$0.9135	\$0.9120	\$0.9091	\$0.9075	\$0.9058	\$0.8996
ICGS	\$0.9290	\$0.9285	\$0.9240	\$0.9197	\$0.9158	\$0.9105	\$0.9085	\$0.9070	\$0.9041	\$0.9025	\$0.9008	\$0.8946
Usage Profile & Weighted Average												
MGS	19.11%	17.21%	12.18%	9.77%	5.14%	2.85%	2.22%	1.55%	3.02%	5.08%	8.44%	13.44%
	\$ 0.9413	\$ 0.1823	\$ 0.1641	\$ 0.1156	\$ 0.0923	\$ 0.0483	\$ 0.0267	\$ 0.0208	\$ 0.0144	\$ 0.0281	\$ 0.0471	\$ 0.0781
LGS	17.60%	16.02%	12.19%	9.83%	5.47%	3.06%	2.59%	1.78%	3.62%	5.57%	8.96%	13.32%
	\$ 0.9307	\$ 0.1661	\$ 0.1511	\$ 0.1144	\$ 0.0919	\$ 0.0509	\$ 0.0284	\$ 0.0239	\$ 0.0164	\$ 0.0332	\$ 0.0511	\$ 0.0820
CGS	14.27%	12.91%	10.64%	8.52%	6.75%	4.99%	4.59%	4.25%	5.05%	7.11%	9.24%	11.67%
	\$ 0.9192	\$ 0.1333	\$ 0.1205	\$ 0.0989	\$ 0.0788	\$ 0.0621	\$ 0.0457	\$ 0.0419	\$ 0.0388	\$ 0.0459	\$ 0.0645	\$ 0.0837
ICGS	12.11%	10.71%	10.82%	9.70%	7.61%	4.92%	5.53%	5.27%	5.32%	7.52%	9.59%	10.88%
	\$ 0.9135	\$ 0.1125	\$ 0.0995	\$ 0.1000	\$ 0.0892	\$ 0.0697	\$ 0.0448	\$ 0.0502	\$ 0.0478	\$ 0.0481	\$ 0.0679	\$ 0.0864