

SCHEDULE 13
Alternative Fuel Calculations

SGSR Alternative Fuel Calculation

Electricity Pricing

Month	Plug Load kWh Usage	Electric Heating Usage		Electric Water Heater Usage		Total Usage	Water Heater Rental	Total Electric Cost
		Usage Profile	kWh usage	Usage Profile	kWh usage			
Jan-13	806	19.78%	3,201	9.83%	473	4,480	\$7.79	\$369.72
Feb-13	806	22.74%	3,680	9.18%	442	4,928	\$7.79	\$413.82
Mar-13	806	14.60%	2,364	9.79%	471	3,641	\$7.79	\$287.09
Apr-13	806	10.26%	1,661	9.67%	466	2,933	\$7.79	\$217.27
May-13	806	7.85%	1,271	8.09%	390	2,467	\$7.79	\$171.36
Jun-13	806	3.25%	526	7.00%	337	1,669	\$7.79	\$92.81
Jul-13	806	1.09%	177	6.50%	313	1,296	\$7.79	\$56.06
Aug-13	806	0.62%	101	6.44%	310	1,217	\$7.79	\$48.29
Sep-13	806	0.14%	23	6.79%	327	1,156	\$7.79	\$42.27
Oct-13	806	2.00%	323	7.83%	377	1,506	\$7.79	\$76.75
Nov-13	806	7.18%	1,162	8.82%	425	2,393	\$7.79	\$164.09
Dec-13	806	10.49%	1,698	10.07%	485	2,989	\$7.79	\$222.81
	9,672	100%	16,187	100.0%	4,816	30,675	\$93.48	\$2,162.34

Price for electricity	
All kilowatt hours	\$0.0985
Estimated Heating Use	16187
Estimated Water Heater Use	4816
Estimated Plug and Light	9672
Water Heater Rental (60 Gallon)	\$7.79

SGSC Alternative Fuel Calculation

Electricity Pricing

Month	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-13	3531	9.5	8.38%	683	9.5	23.68%	8,126	64.2	12,340	83.2	\$1,416.10
Feb-13	3189	9.5	8.58%	699	9.5	22.40%	7,684	60.7	11,572	79.7	\$1,357.84
Mar-13	3531	9.5	7.66%	624	9.5	14.36%	4,928	38.9	9,083	57.9	\$892.92
Apr-13	3417	9.5	8.64%	703	9.5	9.72%	3,335	26.4	7,455	45.4	\$646.59
May-13	3531	9.5	11.57%	942	9.5	4.91%	1,686	13.3	6,159	32.3	\$395.35
Jun-13	3417	9.5	12.21%	994	9.5	0.02%	6	-	4,417	19.0	\$120.72
Jul-13	3531	9.5	8.60%	700	9.5	0.00%	-	-	4,231	19.0	\$84.50
Aug-13	3531	9.5	8.65%	704	9.5	0.00%	-	-	4,235	19.0	\$84.98
Sep-13	3417	9.5	6.80%	553	9.5	0.38%	132	1.0	4,102	20.0	\$82.69
Oct-13	3531	9.5	5.80%	472	9.5	3.19%	1,094	8.6	5,097	27.6	\$259.05
Nov-13	3417	9.5	6.83%	556	9.5	8.18%	2,808	22.2	6,781	41.2	\$548.33
Dec-13	3531	9.5	6.28%	512	9.5	13.15%	4,512	35.7	8,555	54.7	\$816.82
	41,574	114	100.0%	8,142	114	100.0%	34,311	271	84,027	499	\$ 6,705.89

Price for electricity	
First 5000 KWh	\$0.1207
After 5000 KWh	\$0.0856
Estimated Plug Load	41574
Estimated Heating Use	34311
Estimated Baseload Use	8142
Price for demand	
First 20 KW	No Charge
After 20KW	\$9.66
Estimated Plug KW	114
Estimated Heating KW	271
Estimated Baseload KW	114

No.2 Heating Oil Pricing

	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	
AVERAGE (US\$/gal)	\$3.2454	\$3.2385	\$3.2199	\$3.1961	\$3.1990	\$3.1992	\$3.1992	\$3.1993	\$3.1995	\$3.1997	\$3.1999	\$3.2000	
CAN\$/litre	\$0.8566	\$0.8548	\$0.8519	\$0.8456	\$0.8464	\$0.8486	\$0.8486	\$0.8486	\$0.8502	\$0.8503	\$0.8503	\$0.8503	
Market Spreads (Can\$/litre)													
GS	\$0.1950	\$0.1950	\$0.1950	\$0.1950	\$0.1950	\$0.1950	\$0.1950	\$0.1950	\$0.1950	\$0.1950	\$0.1950	\$0.1950	
CGS	\$0.1850	\$0.1850	\$0.1850	\$0.1850	\$0.1850	\$0.1850	\$0.1850	\$0.1850	\$0.1850	\$0.1850	\$0.1850	\$0.1850	
LFO	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750	\$0.1750	
HFO	\$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)													
GS	\$1.0516	\$1.0498	\$1.0469	\$1.0406	\$1.0414	\$1.0436	\$1.0436	\$1.0436	\$1.0452	\$1.0453	\$1.0453	\$1.0453	
CGS	\$1.0416	\$1.0398	\$1.0369	\$1.0306	\$1.0314	\$1.0336	\$1.0336	\$1.0336	\$1.0352	\$1.0353	\$1.0353	\$1.0353	
LFO	\$1.0316	\$1.0298	\$1.0269	\$1.0206	\$1.0214	\$1.0236	\$1.0236	\$1.0236	\$1.0252	\$1.0253	\$1.0253	\$1.0253	
HFO	\$1.0316	\$1.0298	\$1.0269	\$1.0206	\$1.0214	\$1.0236	\$1.0236	\$1.0236	\$1.0252	\$1.0253	\$1.0253	\$1.0253	
	1	2	3	4	5	6	7	8	9	10	11	12	
	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	
Usage Profile & Weighted Average													
GS		19.20%	16.26%	11.37%	9.10%	6.51%	3.17%	2.56%	2.60%	2.49%	5.19%	8.70%	12.85%
	\$	0.2019	\$ 0.1707	\$ 0.1190	\$ 0.0947	\$ 0.0678	\$ 0.0330	\$ 0.0267	\$ 0.0271	\$ 0.0261	\$ 0.0542	\$ 0.0910	\$ 0.1343
CGS		18.13%	15.65%	11.09%	9.30%	6.74%	3.26%	2.54%	2.92%	3.04%	5.77%	8.93%	12.63%
	\$	1.0364	\$ 0.1888	\$ 0.1628	\$ 0.1150	\$ 0.0958	\$ 0.0695	\$ 0.0337	\$ 0.0263	\$ 0.0302	\$ 0.0315	\$ 0.0597	\$ 0.0924
LFO		8.33%	8.33%	8.33%	8.33%	8.33%	8.33%	8.33%	8.33%	8.33%	8.33%	8.33%	8.33%
	\$	1.0250	\$ 0.0860	\$ 0.0858	\$ 0.0856	\$ 0.0850	\$ 0.0851	\$ 0.0853	\$ 0.0853	\$ 0.0853	\$ 0.0854	\$ 0.0854	\$ 0.0854
HFO		15.63%	14.69%	12.63%	9.37%	6.33%	3.01%	2.43%	2.46%	2.74%	6.89%	10.44%	13.37%
	\$	1.0262	\$ 0.1612	\$ 0.1513	\$ 0.1297	\$ 0.0956	\$ 0.0647	\$ 0.0308	\$ 0.0249	\$ 0.0252	\$ 0.0281	\$ 0.0706	\$ 0.1070