Interactive Fuel Cost Calculator

What's your current annual heating bill?	What are you paying?	You are using
$100,000 Annual heating bill at	$10.51 per million BTU	9,517 MMBTU/yr

Units / year	Annual Cost of heating		$/MM	$ /unit	unit	BTU / unit	Efficiency
350,766	$333,228	Oil	$35.01	$0.95	Litre	36,175	75%
2,938,576	$235,086	Electric	$24.70	$0.08	Kwh	3,409	95%
315,269	$94,581	Natural Gas	$9.94	$0.30	M^3	35,513	85%
424,565	$191,054	Propane	$20.08	$0.45	Litre	23,595	95%
687	$103,070	Hardwood	$10.83	$150	Cord	25,181,591	55%
893	$107,193	Softwood	$11.26	$120	Cord	19,370,455	55%
690	$100,000	Wood Pellets	$10.51	$145	Tonne	15,332,500	90%
515	$63,406	Coal	$6.66	$123	Tonne	28,402,000	65%
776	$31,034	Wood Chips	$3.26	$40	Tonne	15,332,500	80%
1,324	$26,479	Wheat straw	$2.78	$20	500 kg	8,456,710	85%
1,324	$26,479	Swamp Grass	$2.78	$20	500 kg	8,456,710	85%
1,184	$17,761	Flax straw	$1.87	$15	500 kg	9,455,795	85%

Savings with wood chips			1 year	5 year	10 year	20 year	30 year
69%	$68,966	Wood Chips	$68,966	$344,828	$689,655	$1,379,310	$2,068,966

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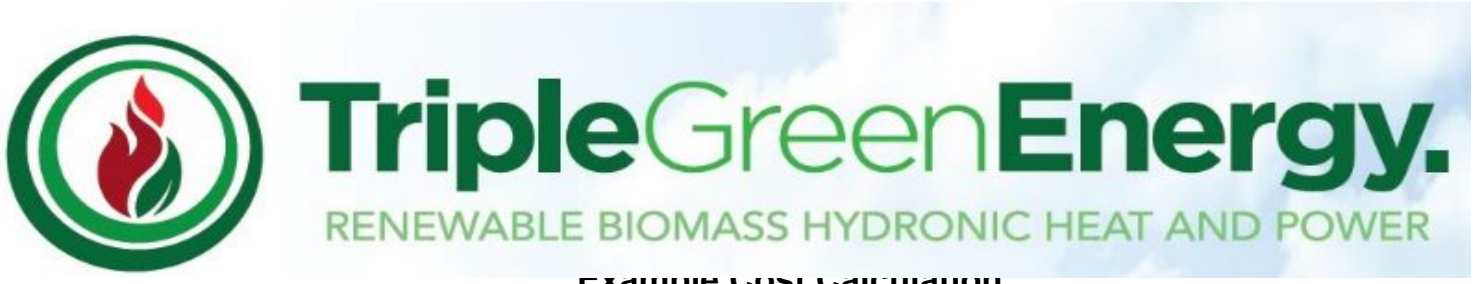

Example Cost Calculation

Coal		**Propane**		**Natural Gas**		**Wood Chips**	
12910 BTU / lb		23595 BTU / Litre		1000 BTU / cu ft		6969 BTU / lb	
Cost / Ton	Cost / MMBtu	Cost / Litre	Cost / MMBtu	Cost / MCF	Cost/MMBtu	Cost / Ton	Cost / MMBtu
$92.00	$5.47	$0.25	$11.15	$6.50	$7.60	$16.00	$1.45
$97.00	$5.77	$0.30	$13.38	$7.00	$8.18	$21.00	$1.90
$102.00	$6.07	$0.35	$15.61	$7.50	$8.77	$26.00	$2.36
$107.00	$6.37	$0.40	$17.84	$8.00	$9.35	$31.00	$2.81
$112.00	**$6.66**	**$0.45**	**$20.08**	**$8.50**	**$9.94**	**$36.00**	**$3.26**
$117.00	$6.96	$0.50	$22.31	$9.00	$10.52	$41.00	$3.71
$127.00	$7.55	$0.55	$24.54	$9.50	$11.11	$46.00	$4.17
$137.00	$8.15	$0.65	$29.00	$10.50	$12.28	$51.00	$4.62
$147.00	$8.74	$0.75	$33.46	$11.50	$13.45	$61.00	$5.53
$157.00	$9.34	$0.85	$37.92	$12.50	$14.62	$71.00	$6.43
$167.00	$9.93	$0.95	$42.38	$13.50	$15.78	$81.00	$7.34
$177.00	$10.53	$1.05	$46.84	$14.50	$16.95	$91.00	$8.24
$187.00	$11.12	$1.15	$51.30	$15.50	$18.12	$101.00	$9.15
$197.00	$11.72	$1.25	$55.77	$16.50	$19.29	$111.00	$10.05

COMPUTING FUEL COST SAVINGS

You heat your building with Propane. Your annual propane cost, during the last heating season, was $75000.

Sample Calculation:

1. Annual Heating Cost using Propane	$75,000	
2. Cost of Litre of Propane	$0.45	
3. Total Litres of Propane Used ($75,000/$0.45)	166,667	Litres
4. BTU/Litre of Propane	23,595	
5. Total BTUs used (250,000*24,000)	3,932,500,000	
6. BTU / Ton of Wood Chips (2,000Lbs*6969Btu/Lb)	13,938,000	
7. Tons of Wood Chips used (3932500000/13938000	282	
8. Cost of Ton of Wood Chips delivered	$36.00	
9. Annual Heating Cost using Wood Chips	$10,157	
10. Total Annual Cost Savings ($75000 - $10157)	**$64,843**	
11. Total 10 year SAVINGS	**$648,430**	

In this case you would have saved approximately $ 64843 per heating season. The same method can be used to compare