

Renewable Heat Incentive (RHI) Cashflow Calculator Diary Pod

Boiler Size kWh	60	kW
Metered usage of Property -Tariff 1	78,840	kWh
Additional usage of Property -Tariff 2	-	kWh
Total kWh	78,840	

(1314 hrs p/a)

Cost of Project (£)	9,090
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Enter in value in green cell

RHI Rate (p/kWh) -Tier 1	4.18	kWh
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Additional RHI Rate (p/kWh) Tier 2	1.1	kWh
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Select Biomass Fuel	Fuel	Pence/kWh
	Wood Pellet	3.0

(click on green cell to select from list)

Select Existing Fuel	Code	p/kWh	CO ₂ saving per kWh (Kg)
	LPG	7.2	0.310

(click on green cell to select from list)

Biomass Fuel Inflation	Wood Pellet	3%
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(click on green cell to select from list)

Fossil Fuel Inflation	LPG	7%
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(click on green cell to select from list)

Cost of borrowing/capital	1%	(discounted cash flow)
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(click on green cell to select from list)

RHI Inflation (index linked)	3%
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(click on green cell to select from list)

Summary of Results	Payback Period (yrs)	2	Net Project Cashflow	247,433
			Discounted Cash Flow	217,630
			Estimated CO₂ saving per annum in Tonnes	24.4

Cashflow calculations

Year	RHI £	Fossil Fuel Cost £	Biomass Cost £	Net Fuel Saving £	Annual Gain £	Net Cashflow Non disc'd £	Discounted Cashflow 1% £	Net Disc Cashflow	Payback Index
0	-	-	-	-	-	9,090	-	9,090	0
1	3,296	5,648	2,365	3,282	6,578	2,512	6,513	2,577	0
2	3,394	6,043	2,436	3,607	7,001	4,489	6,863	4,286	1
3	3,496	6,466	2,509	3,957	7,453	11,942	7,234	11,520	1
4	3,601	6,919	2,585	4,334	7,935	19,877	7,625	19,145	1
5	3,709	7,403	2,662	4,741	8,450	28,327	8,040	27,185	1
6	3,820	7,921	2,742	5,179	8,999	37,326	8,478	35,663	1
7	3,935	8,475	2,824	5,651	9,586	46,913	8,941	44,604	1
8	4,053	9,069	2,909	6,160	10,213	57,126	9,431	54,036	1
9	4,175	9,704	2,996	6,707	10,882	68,008	9,950	63,985	1
10	4,300	10,383	3,086	7,297	11,597	79,604	10,498	74,484	1
11	4,429	11,110	3,179	7,931	12,360	91,964	11,078	85,562	1
12	4,562	11,887	3,274	8,613	13,175	105,139	11,692	97,254	1
13	4,699	12,719	3,372	9,347	14,046	119,185	12,342	109,596	1
14	4,840	13,610	3,473	10,136	14,976	134,161	13,029	122,624	1
15	4,985	14,562	3,578	10,985	15,970	150,131	13,755	136,380	1
16	5,134	15,582	3,685	11,897	17,031	167,162	14,525	150,904	1
17	5,288	16,673	3,795	12,877	18,165	185,327	15,338	166,243	1
18	5,447	17,840	3,909	13,930	19,377	204,704	16,200	182,443	1
19	5,610	19,088	4,027	15,062	20,672	225,377	17,111	199,554	1
20	5,779	20,425	4,147	16,277	22,056	247,433	18,076	217,630	1
Total	88,552	231,525	63,554	167,971	256,523				0

Loan Finance		
Years	8	
Annual Int %	6.0%	
12.00% is the APR		
Annual Loan Cost £	Cum Net Cashflow Non disc'd £	
1	1,433	5,144
2	1,433	10,712
3	1,433	16,731
4	1,433	23,233
5	1,433	30,249
6	1,433	37,816
7	1,433	45,968
8	1,433	54,748
9	-	65,630
10	-	77,227
		89,586
		102,761
		116,807
		131,783
		147,753
		164,784
		182,949
		202,327
		222,999
		245,055
11,468		245,055



WrightsBiomass services

Wrights Biomass Services
Gate 4 Stanlow Oil Refinery.
CH65 4HB. 0151 355 1549.
Company Reg Number
09393515

The performance of Microgeneration Solid Biofuel Heating Systems is impossible to predict with certainty due to the variation of the climate and its subsequent effect on both heat supply and demand. This estimate is based upon the best available information but is given as a guidance only and should not be considered as a guarantee. The RHI calculator is intended to give a 'broad brush' estimation of the