

(RHI) Cashflow Calculator Warm Air Blower Pod 60KWH

| | | |
|--|--------|-----|
| 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 (£) | 11,716 |
|---------------------|--------|

Enter in value in green cell



WrightsBiomass services

| | | |
|--------------------------|------|-----|
| RHI Rate (p/kWh) -Tier 1 | 4.18 | kWh |
|--------------------------|------|-----|

| | | |
|------------------------------------|-----|-----|
| Additional RHI Rate (p/kWh) Tier 2 | 1.1 | kWh |
|------------------------------------|-----|-----|

| | | |
|---------------------|-------------|-----------|
| 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% |
|------------------------|-------------|----|

(click on green cell to select from list)

| | | |
|-----------------------|-----|----|
| Fossil Fuel Inflation | LPG | 7% |
|-----------------------|-----|----|

(click on green cell to select from list)

| | | |
|---------------------------|----|------------------------|
| Cost of borrowing/capital | 1% | (discounted cash flow) |
|---------------------------|----|------------------------|

(click on green cell to select from list)

| | |
|------------------------------|----|
| RHI Inflation (index linked) | 3% |
|------------------------------|----|

(click on green cell to select from list)

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

| | | | | |
|--|-----------------------------|----------|-----------------------------|----------------|
| Summary of Results | Payback Period (yrs) | 2 | Net Project Cashflow | 244,807 |
| | | | Discounted Cash Flow | 215,004 |
| 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 | - | - | - | - | - | 11,716 | - | 11,716 | 0 |
| 1 | 3,296 | 5,648 | 2,365 | 3,282 | 6,578 | 5,138 | 6,513 | 5,203 | 1 |
| 2 | 3,394 | 6,043 | 2,436 | 3,607 | 7,001 | 1,863 | 6,863 | 1,660 | 2 |
| 3 | 3,496 | 6,466 | 2,509 | 3,957 | 7,453 | 9,316 | 7,234 | 8,894 | 3 |
| 4 | 3,601 | 6,919 | 2,585 | 4,334 | 7,935 | 17,251 | 7,625 | 16,519 | 4 |
| 5 | 3,709 | 7,403 | 2,662 | 4,741 | 8,450 | 25,701 | 8,040 | 24,559 | 5 |
| 6 | 3,820 | 7,921 | 2,742 | 5,179 | 8,999 | 34,700 | 8,478 | 33,037 | 6 |
| 7 | 3,935 | 8,475 | 2,824 | 5,651 | 9,586 | 44,287 | 8,941 | 41,978 | 7 |
| 8 | 4,053 | 9,069 | 2,909 | 6,160 | 10,213 | 54,500 | 9,431 | 51,410 | 8 |
| 9 | 4,175 | 9,704 | 2,996 | 6,707 | 10,882 | 65,382 | 9,950 | 61,359 | 9 |
| 10 | 4,300 | 10,383 | 3,086 | 7,297 | 11,597 | 76,978 | 10,498 | 71,858 | 10 |
| 11 | 4,429 | 11,110 | 3,179 | 7,931 | 12,360 | 89,338 | 11,078 | 82,936 | 11 |
| 12 | 4,562 | 11,887 | 3,274 | 8,613 | 13,175 | 102,513 | 11,692 | 94,628 | 12 |
| 13 | 4,699 | 12,719 | 3,372 | 9,347 | 14,046 | 116,559 | 12,342 | 106,970 | 13 |
| 14 | 4,840 | 13,610 | 3,473 | 10,136 | 14,976 | 131,535 | 13,029 | 119,998 | 14 |
| 15 | 4,985 | 14,562 | 3,578 | 10,985 | 15,970 | 147,505 | 13,755 | 133,754 | 15 |
| 16 | 5,134 | 15,582 | 3,685 | 11,897 | 17,031 | 164,536 | 14,525 | 148,278 | 16 |
| 17 | 5,288 | 16,673 | 3,795 | 12,877 | 18,165 | 182,701 | 15,338 | 163,617 | 17 |
| 18 | 5,447 | 17,840 | 3,909 | 13,930 | 19,377 | 202,078 | 16,200 | 179,817 | 18 |
| 19 | 5,610 | 19,088 | 4,027 | 15,062 | 20,672 | 222,751 | 17,111 | 196,928 | 19 |
| 20 | 5,779 | 20,425 | 4,147 | 16,277 | 22,056 | 244,807 | 18,076 | 215,004 | 20 |
| 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 | 1,848 | 4,730 |
| 2 | 1,848 | 9,884 |
| 3 | 1,848 | 15,489 |
| 4 | 1,848 | 21,577 |
| 5 | 1,848 | 28,179 |
| 6 | 1,848 | 35,331 |
| 7 | 1,848 | 43,070 |
| 8 | 1,848 | 51,435 |
| 9 | - | 62,317 |
| 10 | - | 73,914 |
| | | 86,274 |
| | | 99,449 |
| | | 113,494 |
| | | 128,470 |
| | | 144,440 |
| | | 161,471 |
| | | 179,637 |
| | | 199,014 |
| | | 219,686 |
| | | 241,742 |
| 14,781 | 241,742 | |

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