

Quote generated for:



Generate Green Ltd Equinox House Unit 10 Shannon Way Tewkesbury Glos GL2 5JS 01452 227022 enquiries@generategreen.co.uk









Customer Order Form

Quotation Reference	20130507A	
Quotation Summary	Biomass Boiler Quotation	

Supply and fit 2 x 199.00 kW Biomass Boilers in 40ft Ecolodge	£360,000.00+VAT		

Payment 1: Deposit (Payable on order)	£216,000.00+VAT
Payment 2: Balance (Payable on Installation)	£144,000.00+VAT

To proceed with this order please read the following instructions, and then sign below and return to **Generate Green Ltd**, Equinox, Shannon Way, Tewkesbury, Glos, GL20 8ND

Finance

100% of the cost of the system may be financed subject to acceptance through our partner Nationwide Corporate Finance (part of Nationwide PLC). To apply please let us know and we will arrange for our Nationwide Business Manager to contact you.

Methods of Payment

Monies are transferred in stages, 60% (£216,000.00+VAT) is payable on confirmation of the order, with a further 40% (£114,000.00+VAT) on the day of completion of the installation. The easiest way to do this is by bank transfer to: Generate Green Ltd, HSBC Sort code: 40-37-60 account number: 80021245. If you are arranging finance through our partner, Nationwide Corporate Finance, we can arrange for the deposit to be paid straight to us with your permission.

Planning permission confirmation

This installation will take place under permitted development regulations. You only require planning permission if the scope of the installation is outside of these regulations or if your building is listed or is in a conservation area. By singing this contract you are confirming that you have received planning permission for the proposed installation if required or ascertained that planning permission is not required.

Generate Green Ltd cannot be held responsible for any installations where planning permission was required but not obtained and no refunds will be offered.

Confirmation

By singing this form, you are confirming the order for the Products and Installation Services specified on the attached quotation. This order will become binding when Generate Green Ltd notifies you of its acceptance and will be governed by our Terms of Supply.

Customer Signature	Customer Name (please print)	Date	

Quotation valid for: 30 Days



To place an order please complete the Customer Order Form and return to **Generate Green Ltd.** together with deposit payment or finance application—upon receipt of your deposit or finance approval we will contact you to arrange an installation date.

Notes:

- 1. Installation price is based on continuous working period. If circumstances beyond our control necessitate a split programme of works we reserve the right to charge for additional time.
- 2. For full Terms & Conditions see enclosed contract.
- 3. A full breakdown of services to be supplied is given on the enclosed "Summary of Goods & Works"
- 4. If Additional Works are required due to exceptional circumstances not reasonably foreseeable or if customer request for specification changes, an estimate will be provided based on the installers hourly or daily rate.

Summary of Goods & Works Supplied

A. Goods to be supplied by Generate Green Ltd.

All goods listed in quotation.

- B. Work to be undertaken by **Generate Green Ltd** or **an approved sub contractor.**
- -Supply and installation of a biomass boiler
- -Supply and installation of buffer tank
- -Installation of all other associated works
- -all pipe work up to the existing hot water and central heating circuits
- -All AC wiring up to boiler controls
- -Project Management throughout contract
- -Installation of fuel storage area

Proposed System

Exisiting System Summary				
Current Heating system 3 x 250 kW Boiler (1 not in operation				
Expected Heat Load	398 kW (partial loading only)			
Estimated Current Consumption	2,300,000 kWh pa			
Current Fuel Type	Mains Gas			
Proposed New System Summary				
Proposed Biomass Boiler Size 2 x 199kW				
Expected Proportion of existing annual energy load to be provided	88%			
Annual Rated Output per boiler	1,150,000 kWh pa			
Year 1 CO2 savings based on DECC	549 Tonnes			



Renewable Heat Incentive

A biomass Boiler installation provides the building with a new highly efficient heating system that provides clean energy, lowers carbon footprint, and enhances any carbon reduction plans already in place. Due to the generous Renewable Heat Incentive (RHI) offered to promote cleaner energy supplies in the UK, businesses and commercial premises willing to invest in biomass technology in replacement to existing gas, oil and LPG boilers will not only benefit in reduced carbon emissions and lower, more sustainable heating fuel costs, they will also be able to collect the RHI on the scale as below:

Tariff	Eligible Technology	Eligible Sizes	Tier	Tariff Payment in pence/kWhth
Small Commercial	Solid Biomass	Less than	Tier 1	8.3
Biomass	including solid	200kWth	Tier 2	2.1
Medium	biomass	200kWth and	Tier 1	5.1
Commercial	contained in municipal solid	above but less	Tier 2	2.1
Biomass		than 1000kWth	Her Z	2.1
Large Commercial	waste	1000kWth and	N/A	1.0
Biomass	wasie	above	IN/A	1.0

Proposed System Images – Ecolodge (40ft Container)



Note – images are of a 20ft Ecolodge and are for illustration purposes only. Ecolodges can be supplied clad in wood for a more aesthetic finish for an extra charge if desired.



Estimated Financial Returns PER BOILER

RHI Financial Impact & Savings

RHI implications for customers coming off Gas

Natural Gas				
Natural Gas Usage £p.a		£	45,000	
p/KWh (from most recent Bill)	p/KWh (from most recent Bill) £ 0.04			
KWh per annum			1,125,000	
Biomass Heating System(Using 100% I	Biom	ass)		
<u>Biomass</u>		Per A	nnum	
Energy Usage (kWhr)			1,125,000	
Quantity of Fuel required (kgs)			272,893	
Quantity of Fuel required (tonnes)			273	
Annual Cost of Fuel		£	54,579	
Biomass Cost/kwhr		£	0.0485	
RHI (Feed in tariff)				
Boiler Size in KW	199	KW		
Boiler Size x 1,314 hrs (Tier 1)			261,486	
Balance (Tier 2)			863,514	
kWhrs	•		1,125,000	
Cash Back @ 8.5p Tier 1		£	22,488	
cash back @ 2.1p Tier 2		£	18,997	
Total cash back p.a		£	41,485	
Total Cash back/kWhr		£	0.037	

Biomass (Pellet)		
Pellet Price per Tonne		Ave estimate
Calorific value of 1kg of V Assume Boiler runs @ 85 Efficiency		et 4.85kWhr/kg
Tariff for >200kW and <3 8.6p/kWhr for first 1,314		
Power		Tier 1
2.2p/kwhr thereafter		Tier 2
Cash back paid Quarterly arrears	in	
RHI is Index Linked for 20) years	



Year	RHI Tier 1	RHI Tier 2	Cost of Finance	Balance inc cost of finance	Balance for cash sale	Combined Income & Savings pa	Net pa on finance
1	£22,487.80	£18,997.31	£39,689.40	-£156,661.90	-£138,514.90	£41,485.10	£1,795.70
2	£23,293.76	£19,678.17	£39,614.40	-£113,689.97	-£95,542.97	£42,971.93	£3,357.53
3	£24,128.61	£20,383.44	£39,614.40	-£69,177.92	-£51,030.92	£44,512.04	£4,897.64
4	£24,993.38	£21,113.98	£39,614.40	-£23,070.57	-£4,923.57	£46,107.36	£6,492.96
5	£25,889.14	£21,870.70	£39,614.40	£24,689.28	£42,836.28	£47,759.84	£8,145.44
6	£26,817.01	£22,654.55		£74,160.83	£92,307.83	£49,471.56	£49,471.56
7	£27,778.13	£23,466.49		£125,405.45	£143,552.45	£51,244.62	£51,244.62
8	£28,773.70	£24,307.53		£178,486.67	£196,633.67	£53,081.22	£53,081.22
9	£29,804.94	£25,178.71		£233,470.33	£251,617.33	£54,983.65	£54,983.65
10	£30,873.15	£26,081.12		£290,424.60	£308,571.60	£56,954.27	£56,954.27
11	£31,979.65	£27,015.86		£349,420.11	£367,567.11	£58,995.51	£58,995.51
12	£33,125.80	£27,984.11		£410,530.02	£428,677.02	£61,109.91	£61,109.91
13	£34,313.03	£28,987.06		£473,830.11	£491,977.11	£63,300.09	£63,300.09
14	£35,542.81	£30,025.96		£539,398.87	£557,545.87	£65,568.76	£65,568.76
15	£36,816.66	£31,102.09		£607,317.62	£625,464.62	£67,918.75	£67,918.75
16	£38,136.17	£32,216.79		£677,670.57	£695,817.57	£70,352.96	£70,352.96
17	£39,502.97	£33,371.44		£750,544.98	£768,691.98	£72,874.41	£72,874.41
18	£40,918.76	£34,567.47		£826,031.20	£844,178.20	£75,486.22	£75,486.22
19	£42,385.28	£35,806.37		£904,222.85	£922,369.85	£78,191.65	£78,191.65
20	£43,904.37	£37,089.67		£985,216.89	£1,003,363.89	£80,994.04	£80,994.04

RPI %	3.584
Cost of	
system	180000.00
Finance cost	
per 1000*	18.34

^{*}illustrative cost only including tax relief, full quotation will be given on application