

RHI CALCULATOR V6

Tariff rates from 1st January 2014

RHI Tariff Cutoff (Heating hours/year)	1314
Woodfuel boiler efficiency assumed	85%
Fossil fuel boiler efficiency assumed	90%

	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6	Scenario 7
Boiler Size (kW)	_- 150 _	_- 250 _	_-1,200 _	_- 500 _	_- 100 _		
Annual heat requirement (kWh/year) OR Last annual heating bill	_-£8,667 _	_-350,000 _	_-2,000,000 _	_-1,200,000 _	_-125,000 _		
Displaced fossil fuel	Gas	Oil	Oil	Oil	Oil		
price per kWh (p)	_- 3.9 _	_- 5.9 _	_- 5.9 _	_- 5.9 _	_- 5.9 _		
Annual heat requirement (kWh/year)	_-200,000 _	_-350,000 _	_-2,000,000 _	_-1,200,000 _	_-125,000 _		
RHI Size Category (S/M/L)	S	M	L	M	S		
Annual heating hours	_-1,333 _	_-1,400 _	_-1,667 _	_-2,400 _	_-1,250 _		
Annual RHI Income (£/year)	_-£17,014 _	_-£16,876 _	_-£20,000 _	_-£44,253 _	_-£10,750 _		
Woodfuel Price (£/t)	_-£ 90 _	_-£ 85 _	_-£ 70 _	_-£ 80 _	_-£ 95 _		
Woodfuel Moisture content (%wb)	0.3	0.3	0.4	0.3	0.33		
Annual Woodfuel Demand (t/year)	67	117	809	403	44		
Annual Woodfuel Cost (£/year)	_-£6,040 _	_-£9,982 _	_-£56,631 _	_-£32,211 _	_-£4,199 _		
Net Annual Revenue (RHI-fuel cost in £/year)	_-£10,975 _	_-£6,894 _	- 36,631	_-£12,042 _	_-£6,551 _		
Annual fossil fuel cost saved (£/year)	_-£8,667 _	_-£22,944 _	_-£131,111 _	_-£78,667 _	_-£8,194 _		
Total Annual Savings (£/year)	_-£19,642 _	_-£29,839 _	_-£94,480 _	_-£90,709 _	_-£14,745 _		

Tariffs	Tier 1	Tier 2
	p/kWh	p/kWh
Small	8.6	2.2
Medium	5.0	2.1
Large	-	1.0