

# **Biomass Systems & the Renewable Heat Incentive (RHI)**

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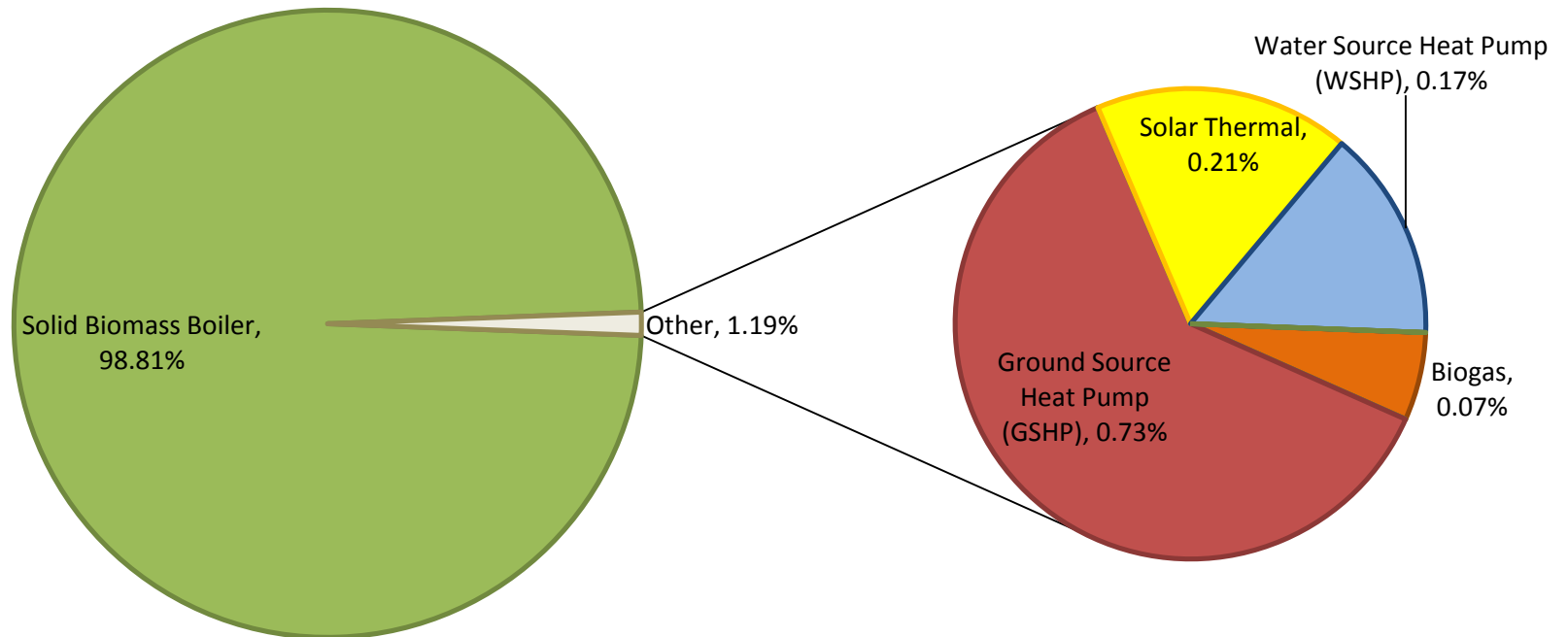
## Feed-in Tariff (FiTs)



## Renewable Heat Incentive (RHI)

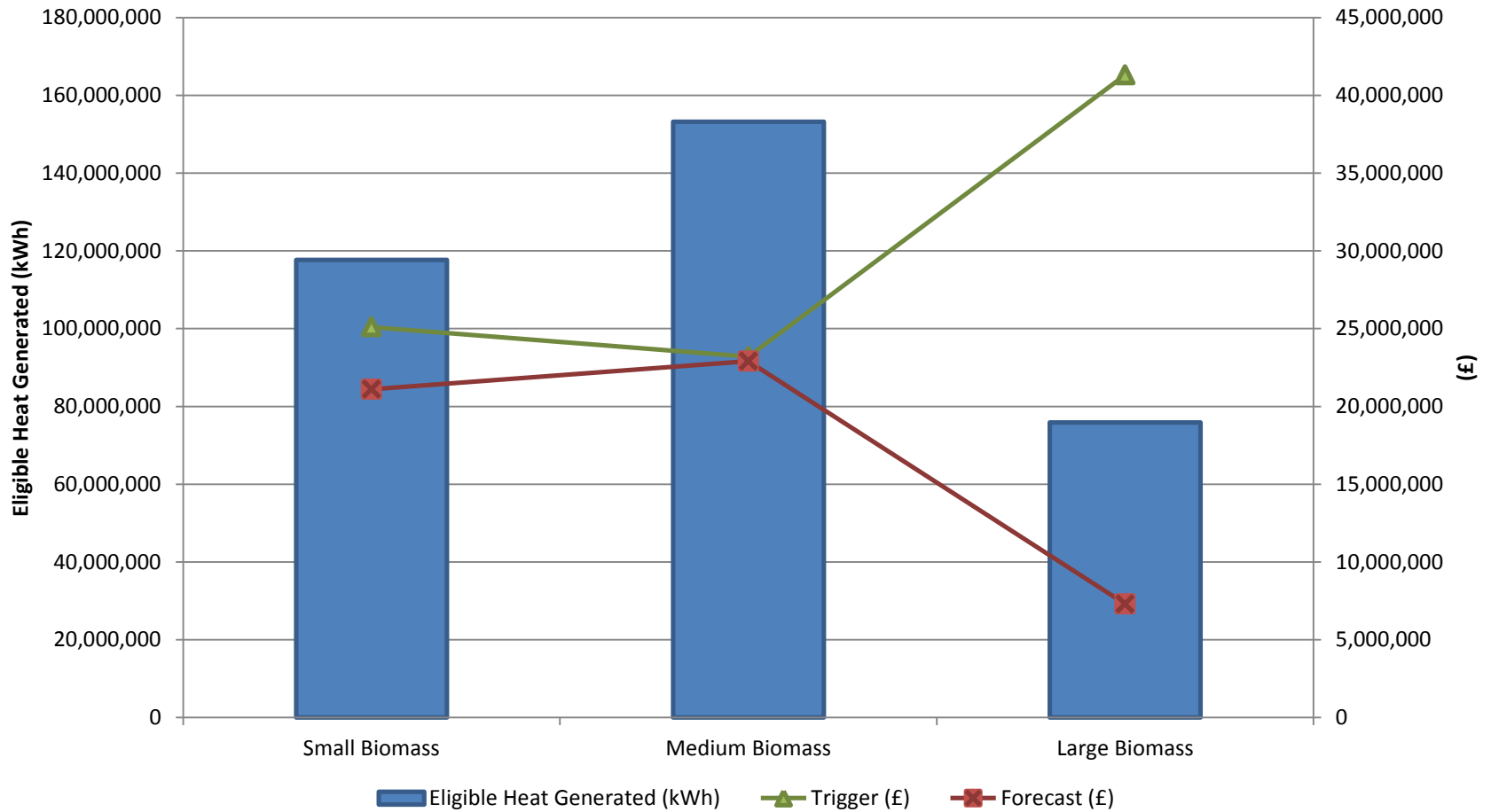


## Installed Capacity (MW)



Tariff name	Eligible technology	Eligible sizes	Tier	Tariffs applicable from 1 April 2013	Tariffs applicable from 1 July 2013
Small commercial biomass	Solid biomass including solid biomass contained in municipal solid waste (incl. CHP)	Less than 200 kWth	Tier 1	8.6	8.6
			Tier 2	2.2	2.2
Medium commercial biomass		200 kWth and above; less than 1,000 kWth	Tier 1	5.3	5
			Tier 2	2.2	2.1
Large commercial biomass		1,000 kWth and above	N/A	1	1

- 950 kW
- Tier 1 payments (5.0 p/kWh)
  - = 950 kW x 1314 hours
  - = 1,248,300 kWh
- Tier 2 payments (2.1 p/kWh) are paid on anything above this in the year



- 1.5 Ha nursery
- 1 MW biomass boiler for 45% of site heat
- RHI payments = £100,000
- Biomass fuel cost = £105,000  
Net cost = -£5,000
- Gas cost = £115,000  
Net cost = -£115,000

- The plant is Eligible Technology?
- The installation was completed and commissioned after July 2009
- No grants or public funding have been or will be received for the eligible installation
- The plant must be new
- The plant is providing heat for eligible purposes:
  - Heating a building
  - Heating water
  - Carrying out a process within a building
- The metering arrangements are correct



- Important date is September 24th

Pollutant	NOx	PM
Emission limit, g/GJ	150	30

- Boiler model needs to be tested to ISO 17025 standard
  - Issued with an RHI-ec (emissions certificate)
- Ensure this is the case **BEFORE** buying a boiler!

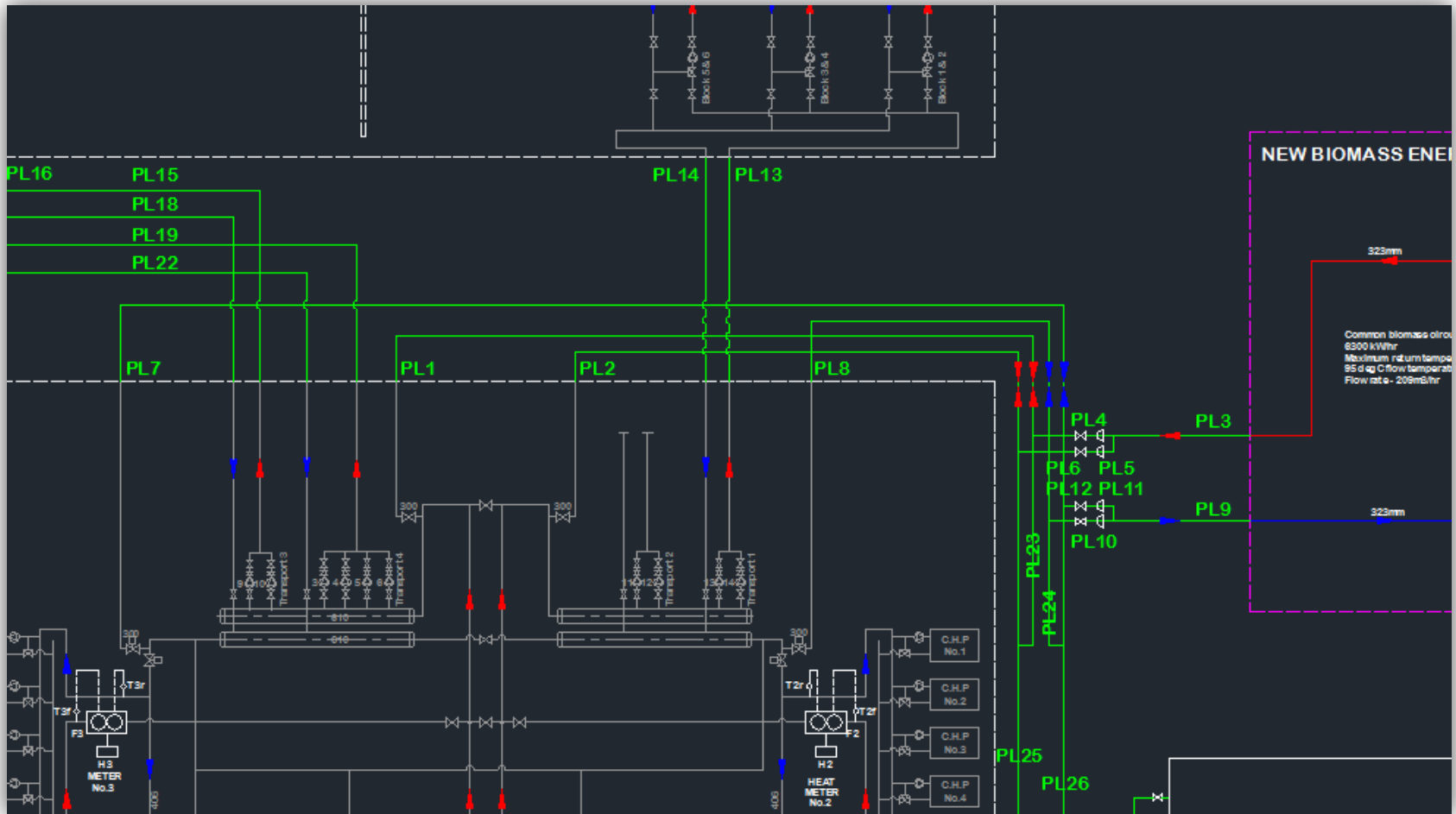
- Essential for the RHI:
  - Need at least one
  - May need more if fossil fuel boilers in system
  - May need more if high heat losses

**Mechanical flow meter and digital integrator**



**Ultrasonic flow meter and digital integrator**





- Can be made online
- Documentation needed
  - Schematic
  - Independent metering report
  - Boiler warranty and commissioning
  - Proof of eligible use
  - Calibration certificates
  - Bank account details
  - Photographs
  - Meter readings

Welcome to the Ofgem Renewable Heat Incentive (RHI) Register

The RHI Register website has been developed to allow scheme participants to perform a range of administrative functions required for the RHI scheme.

The RHI Register will allow participants to:

- create and maintain user accounts to gain secure access to the RHI Register;
- apply for accreditation for an RHI eligible installation;
- apply for registration as a biomethane producer;
- maintain details of accredited/registered installations;
- submit periodic information, including meter readings, fuel measurements and sustainability information;
- submit annual declarations; and
- access reports

Enter your login details for the RHI Register

Username

Password

[Create a new RHI Account](#) [Forgotten Password](#)

[Please click here to view the RHI Scheme Guidance Documents](#)

[View GB Public Reports](#)

For the NI Public Report please visit [www.detini.gov.uk](http://www.detini.gov.uk)

- Feasibility
- Boiler sizing
- Design assistance — especially metering
- Independent metering report
- Application
- Ongoing meter reading submissions, support and audit advice

**Thank you.**  
**Any questions?**

**[www.growsave.co.uk](http://www.growsave.co.uk)**

**024 7669 6512**