SUSTAINABLE ENERGY AUTHORITY OF IRELAND

Support Scheme for Renewable Heat (SSRH)

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Rialtas na hÉireann
Government of Ireland

SSRH Teagasc Workshop.
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www.seai.ie

SSRH – Support Scheme for Renewable Heat

Designed to replace fossil fuel heating systems with heat pumps or biomass or biogas heating systems.

Targeting to support up to 1,300 GWh of renewable heat per year (equivalent to the heating needs of circa 120,000 homes).

An opportunity to significantly reduce your carbon footprint.

For Agriculture - switching to biomass can benefit both the supply chain and deliver direct heat cost savings.

Renewable Heat and money saving !

Now fully open for applications via SEAI website.

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How does the SSRH work?

A hybrid scheme of;

Investment aid - a grant of up to 30% for

- air source heat pumps
- ground source heat pumps
- water source heat pumps

Operational aid based on eligible heat use

- a tariff which is tiered (reduces as heat output increases)
- ongoing quarterly payments for 15 years
- for biomass heating systems & anaerobic digestion heating systems

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Tariff based on useable & eligible heat output

- from renewable heating systems
- existing installations that convert from fossil fuel to renewable fuel
- new installations (that have a counterfactual)

Tier	Lower Limit (MWh/yr)	Upper Limit (MWh/yr)	Biomass Heating Systems Tariff (c/kWh)	Anaerobic Digestion Heating Systems (c/kWh)
1	0	300	5.66	2.95
2	300	1,000	3.02	2.95
3	1,000	2,400	0.50	0.50
4	2,400	10,000	0.50	0.00
5	10,000	50,000	0.37	0.00
6	50,000	N/A	0.00	0.00

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Example – figures for illustration only

- Project cost €180k
- Eligible heat output 1100 MWh
- SSRH support €38,620

  300 X €56.6 = €16,980
  700 X €30.2 = €21,140
  100 X €5.0 = €500
  Total = €38,620

- Fuel;

  Natural gas; €55,000

  Wood pellets; €65,000

  Additional operating cost €5,000

  Net saving €23,620 per year

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Application process

Online Application Portal

Technical Submission Form

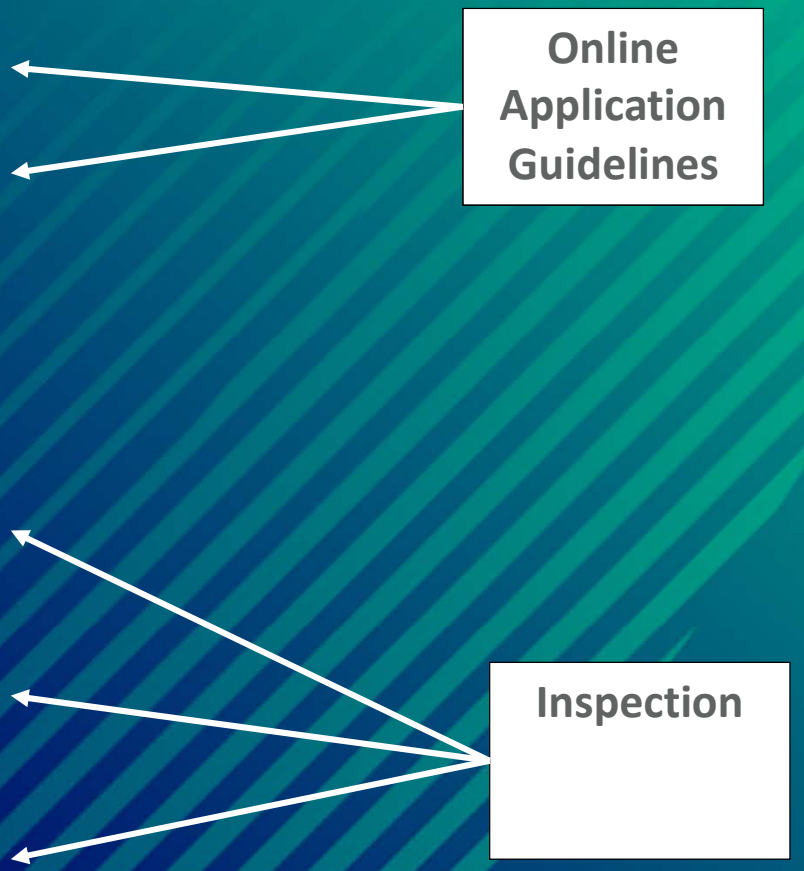
Letter of offer

quipment Installation and Commissioning

Project inspection and verification

Payment stage & contract

Ongoing obligations



Who can apply and what can you heat?

Eligible applicants – who can apply?

- commercial, industrial, agricultural, public sector, district heating
- not ETS sites
- not single domestic

Eligible heat – what can you heat?

- space heating
- water heating
- process heating
- some exclusions e.g. open spaces, wood fuel drying, electricity generation
- produced from an eligible installation and metered at point of use
- not heat produced for the purpose of receiving SSRH

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Terms & Conditions apply

Energy efficiency first

- know your baseline energy performance (based on existing fuel use and calculated changes up or down)
- demonstrate energy management (describe how you manage your energy and identify opportunities for reduction)
- carry out an energy efficiency evaluation (energy balance & benchmarks)
- optimise the building heat retention for space heating

Eligible installation

- biomass or biogas
- boiler or HE CHP
- must be purchased as new
- meters at point(s) of heat use (MID Class ll supported by MBUS or Pulse)
- designed and installed by competent person

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The holistic design – role of the design engineer

- The Heat Service
  - All of it (including old components e.g. heat emitters)
  - Does it deliver the heat needs?
- Planning Permission
  - The business itself
  - The new heating system including the boiler house
- Building Regulations
  - Be clear on what regulations apply
- Safety Systems
  - Building regulations
  - Supplier guidelines
  - Fuel storage
- Licence to operate (e.g. Bord Bia, FSAI, etc.)
- Environmental licencing
  - Impact of the heating system/fuel/emissions

Sustainability & ongoing obligations

Sustainability

- biomass fuel criteria (sustainable sourcing & GHG limits)
- biogas feedstock (AD process only, < 20% energy crop & GHG limits)
- fuel quality criteria
- air quality standards

Ongoing obligations

- eligibility criteria
- measurement and reporting
- sustainability criteria (fuel quality and traceability vie receipts)
- operation and maintenance
- periodic inspection

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The SSRH agreement (contract)

Specific installation
- heating equipment
- heat use
- energy efficiency

Specific size
- eligible heat cap
- annual budget cap

Ongoing obligations
- keep all evidence and records for the full 15 years

SSRH presents a range of new business and financial opportunities for the commercial and public sectors.

Business and agriculture can benefit from both the supply chain and direct heat use.

We can help you to use less and use renewable.

Now open for applications.

Find out more at www.seai.ie

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