## Project Details

### Scope of Works

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renewal Heating System</td>
<td></td>
</tr>
<tr>
<td>Purpose</td>
<td>Description</td>
</tr>
</tbody>
</table>

### Existing Heating System

<table>
<thead>
<tr>
<th>Inspection Type</th>
<th>Inspections Date</th>
<th>Overall Inspection Remarks</th>
<th>No. Sev 1</th>
<th>No. Sev 2</th>
<th>No. Sev 3</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

### Inspections Summary

<table>
<thead>
<tr>
<th>Inspections Type</th>
<th>Inspections Date</th>
<th>Overall Inspection Remarks</th>
<th>No. Sev 1</th>
<th>No. Sev 2</th>
<th>No. Sev 3</th>
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</tbody>
</table>

### Reeworks Completion Timescale:

<table>
<thead>
<tr>
<th>Reeworks Type</th>
<th>Completion Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

### Meter Readings

<table>
<thead>
<tr>
<th>Meter Readings Type</th>
<th>Meter Readings Date</th>
<th>Heat Meter 1</th>
<th>Heat Meter 2</th>
<th>Heat Meter 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fossil Fuel (Heat)</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Renewable Heat Meter</td>
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</tbody>
</table>

### Photos of the Installation

- Aerial View with the Relevant Buildings identified
- Schematic including location of the Heat Meters
- Photos of the top up/ back up systems

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Sample
### Installation Details

- **Support Type:** Various features of the installation are listed, including directions of flow, IO multipliers, probes correctly aligned with 2 inputs, recording correctly aligned, etc.
- **Incl.:** CO2, fire/smoke alarms, suppression, electrical isolators (check location), fuel supply isolators, safety valves (boiler), emergency shut down, etc.
- **E.g.:** Additional spaces/buildings, drying wood, winterization of the fuel handling facilities.
- **Annual Environmental Report available?** Evidence of EPA intervention on License Conditions.
- **Evidence negative:** boiler pressure is maintained under failure conditions to avoid build up potentially explosive wood gases/toxic gases.
- **Including monitoring:** For the new system.
- **In accordance with Design and relevant Regulations:** Buffer Tank, Header, Distribution pipework.
- **New installation:**Pass / Reworks
- **Tariff:**

### Warranty Information

- **INSTALLATION WARRANTY:** Is there evidence the installation warranty covers:
  - The entire new renewable heat system?
  - If no, what is not covered?

### Testing & Commissioning

- **5) WARRANTIES:** 5 Year period
  - Evidence Renewable Heat system meets design performance requirements
  - Commissioning Report for life safety systems
  - Commissioning Report for Fuel Feeder system
  - Commissioning Report for Heat Meters
  - Commissioning Report for existing Heat Distribution system
  - Commissioning Report for New Distribution System
  - Calibration Certs for Heat Meters
  - Evidence of satisfactory Type Test Certificate for existing, key equipment

### Licences & Permits

- **3) LICENCES & PERMITS:**
  - If yes, has Certification been issued?
  - Is Building Control Certification required?
  - Evidence satisfactory Installer sign off
  - Evidence Installer sign off covers the entire scope / Schematic
  - Evidence of Installer competence
  - Evidence of satisfactory Designer sign off
  - Evidence the design covers the entire scope / Schematic
  - Evidence of Designer competence
  - Is the scope of works clear?

### Environmental & Safety Assessments

- **Evidence satisfactory installer sign off:**
  - Evidence of pig register being maintained
  - Site operation characteristics
  - Documentation/certification on SharePoint
  - Confirm that Inspector has reviewed and signed off All relevant project documentation/certification uploaded to SharePoint

### Re-Inspection

- **Recommendation:**
  - Re inspection recommended?

### Operation & Maintenance

- **9) Operation & Maintenance:**
  - Accompanying Party Name:
  - BUSINES: PROJECT REFERENCE:
  - Version: 1
  - **INSPECTION QUESTION**
    - CARDBT
    - SQRA500XX
    - DATA FROM APPLICATION
    - INSPECTION RESULTS
    - PASS / RERWORKS

### Site Management

- **PLANNING PERMISSION:**
  - If yes, has an updated EPA IED or IPC Licence been granted?
  - If yes, is there evidence of such conditions being properly discharged? If no, what is missing?

### Technology

- **Biomass/Biogas fuel**
  - or equivalent qualification.

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### Commissioning Reports

- **Commissioning Report for Boiler(s):**
- **Calibration Certs for Heat Meters:**
- **Evidence satisfactory Type Test Certificate for existing, key equipment:**

### Pre-Site Inspection

- **Inspector Health & Safety Risk Assessment:**
  - Administrator:  
  - Administrator:  
  - Administrator:  
  - Administrator:  
  - Administrator:  

### Commissioning Reports

- **Commissioning Report for Boiler(s):**
- **Calibration Certs for Heat Meters:**
- **Evidence satisfactory Type Test Certificate for existing, key equipment:**

### Technology

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### Technology

- **Biomass/Biogas fuel**
  - or equivalent qualification.
Carbon Monoxide for wood pellets

Are there any opportunities for improving Energy Management / KPI?

Heat output, fuel input, running hours desirable.

Background checks on Statutory Obligations by Dev. team

High level review. Check generation system, plant rooms and meters are new. Anything additional to questions below.

Distance, access, storage capacity not suitable, structurely sound, etc.

No emergency shut down, Fire Alarm, CO

Working in cascade mode (if applicable). Evidence of settings not set correctly (Temperature and Relative Humidity? Yes/ No

High level review. Impact on new system. E.g. Kerosene storage, distance from storage plant room, fire alarm system, fuel supply shut off system,

Incorrect readings. Reading at completion inconsistent, check with boiler readings.


No evidence of error codes on meter display

Meters seals / sensors seals damage

Meters secure

Meters capable of data transfer

Is additional metering is required

Meters installed correctly

7) METERS

Record meter readings for usage?

BACK-UP HEATING SOURCE (Existing)

Sensors located in suitable locations

FARROWING/WEANER SHEDS / ANCILLARY INFORMATION?

No evidence pipe work distribution system not to specification / P&ID

HEAT DISTRIBUTION (SECONDARY)

Are fuel records consistant with heat produced?

No evidence safety controls not installed correctly

Evidence of suitable H&S / warning signs / restricted access to unauthorised persons

Fuel storage facilities as design

FUEL STORAGE

No evidence boiler location not suitable

Suitable H&S / warning signs at Boiler Plant Room, including at entrance(s)

Overall installation in line with proposed scope of works/ project layout

Is there any evidence of notable restrictions on any of the warranties?

PRODUCT WARRANTIES: Is there evidence the product warranties cover key components of:

Recommended Commencement Date

Inspection Date Reading

Serial Number

Make

Most recent calibration
<table>
<thead>
<tr>
<th><strong>PRODUCT</strong></th>
<th><strong>ERG</strong></th>
<th><strong>COM</strong></th>
<th><strong>MS-SP</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1)</strong> Has the applicant/representative provided dedicated site working clothes for use by visitors/inspectors? <em>e.g. ... outside each poultry house. Inspector vehicles should be parked outside the perimeter of the poultry house.</em>*</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td><strong>3)</strong> <a href="https://www.epa.ie/licensing/ipc/whoneedsalicence/">https://www.epa.ie/licensing/ipc/whoneedsalicence/</a></td>
<td></td>
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<tr>
<td><strong>4)</strong> Tariff Operating Rules and Guidelines state:</td>
<td></td>
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<tr>
<td><strong>6)</strong> <a href="http://www.hse.gov.uk/research/rrhtm/rr1077.htm">http://www.hse.gov.uk/research/rrhtm/rr1077.htm</a></td>
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<tr>
<td><strong>7)  All poultry houses should be bird and rodent-proof, and doors kept closed. Wild birds, especially pigeons and waterfowl, are a particular risk. Bird-proof netting should have apertures no larger than 25mm.</strong></td>
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<td><strong>8)  E.g. not hung close to the wall or behind something which hinders the air flow and should not be hung too high in the room. It is recommended that ... as close to the animals as possible and in such a way that the fresh air passes the sensor before it reaches the animals.</strong></td>
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<tr>
<td><strong>9)  EN 335 EU Standard for Biomass Fuel Supplier Certification. EN 15234 Quality Assurance for Biofuel.</strong></td>
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<tr>
<td><strong>10) Key Components as defined in the scope of works</strong></td>
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**REWORKS DECLARATION**

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Date: 

Name: 

Re-works sign-off (signed by Inspector): 

Date: 

Signature: 

Name: 

Re-works declaration (signed by SSRH Applicant Representative)

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**FUELS / FUELS RECORDS**

<table>
<thead>
<tr>
<th><strong>Commencement Date - IU</strong></th>
<th><strong>Zero Meter Reading - IU</strong></th>
</tr>
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**Anticipated frequency of fuel deliveries (weeks)** 

**Fuel input is in line with heat output ? (technical assessment on back-up system)** 

**Fuel input is in line with heat output ? (technical assessment on RH system)** 

**Evidence of recording fuels used** 

**Usage consistent with design** 

**No evidence of damp conditions** 

**Evidence of moisture control / testing** 

**Fuels on site consistent with certification submitted** 

**Fuel compliant with RED II and GHG Certification requirements?** 

**Fuel Certified by WFQA Scheme (wood chip) or ENplus (wood pellets)** 

**8.6.3 a system warranty which includes all ancillary equipment associated with the Eligible Installation. The system warranty should be for a minimum of five years, or otherwise as agreed by the applicant with SEAI.**

**8.6.2 product warranties for key equipment including, but not limited to, the Eligible Installation and the Appropriate Metering Equipment, and all parts and labour. The product warranty should be for a minimum of five years; and**

**Each applicant is required, at a minimum, to obtain:** 

**4) Tariff Operating Rules and Guidelines state:** 

**3) https://www.epa.ie/licensing/ipc/whoneedsalicence/** 

**2) https://www.agriculture.gov.ie/media/migration/farmingsectors/poultry/Guidelinesapprovalbreedingfarms130213.pdf** 

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