

Business Energy Upgrades Scheme

Contractor Info Form – Pumps

Introduction

This form has been compiled to assist you as the Nominated Company/Contractor to ensure you are aware, have the ability and agree to comply with the minimum requirements of the Business Energy Upgrades Scheme for the above measure.

Minimum requirements

The minimum requirements of the scheme are also outlined. Ensure you are satisfied you and your associated installer can commit to all requirements prior to accepting your nomination. Failure to achieve any of these requirements will cause a cancellation of your clients grant offer.

Eligible existing system

Circulating Pumps (Integral/External Controls)

Existing Direct Drive Constant Speed Pump

Booster Pumps (Integral/External Controls)

Existing Direct Drive Constant Speed Booster Pump Set

VSD Retrofit

Existing Direct Drive Constant Speed Booster Pump Set

Installer requirements

Min. Qualifications

Certified Plumber with min. FETAC Level 6

RECI Registered Electrician

Technical requirements

Circulating Pumps

EC Motor & Electronic Power Adjustment. EEI Rating of < 0.17

Integral graphic display

High-efficiency in-line pump with EC motor of energy efficiency class IE5 in accordance with IEC 60034-30-2

Hydraulics with minimum efficiency index MEI ≥ 0.7

CE certified

Integral, Modbus connection, wifi or Bluetooth enabled controls installed to allow monitoring of run time, energy use and fault recording as a minimum. Basis of recording can be existing BMS, local network or web-based system. Remote monitoring capability to be provided.

Differential Pressure Sensors to allow implementation of variable speed function

Pre and Post fingerprinting (measured or alternative where not possible) to ensure original circuit operation maintained

Post testing to ensure required flow maintained following incorporation of VSD control

Pump fully commissioned by manufacturer of qualified agent

Booster Pumps

Duty /Standby VSD Integral Controls & Monitoring

Non-self-priming, switched in parallel, horizontal stainless steel high-pressure multistage centrifugal pumps.

Mounted on a base frame, including integrated control by the frequency converter with all necessary measuring and control devices.

IE5 efficiency in accordance with IEC 60034-30-2

CE Certified

Booster set shall be a packaged set and will have control panel, controls, 200 litre accumulators (min), copper pipework, anti-vibration isolators, flexible pipe connections, high- and low-level float switch, all mounted on common base frame.

Units to be WRAS approved.

Discharge from pump to have pressure limiting valve (adjustable).

Package to be fitted with auto changeover for even running of pumps. Pump Panel to be fitted with system pressure gauge, lamps for individual pump run / fault and lamp for common alarm.

Integral, Modbus connection, wifi or Bluetooth enabled controls installed to allow monitoring of run time, energy use and fault recording as a minimum. Basis of recording can be existing BMS, local network or web-based system. Remote monitoring capability to be provided.

Pumps to have dry run protection.

Pre and Post fingerprinting to ensure original circuit operation maintained

Post testing to ensure required flow maintained following incorporation of VSD control

Pump fully commissioned by manufacturer or qualified agent

Pump rated ESP to include additional requirements from the kPa quoted in the application selection which only relate to system losses. (e.g elevation)

Retrofit VSD

LCD display

Preprogrammed commissioning settings

BACnet and Modbus capability to integrate with existing BMS

Integral THDi filter

Direct mounting method

Prioritary wiring and mounting system

Capacity to expand quantity of I/O's for extended connectivity to BMS

Ability to synchronise multiple units across multiple pump skid

CE Certified

Payment documentation

All completion documentation must be uploaded by your client for review and sign off prior to release of grant payment.

Failure by you to provide a full and compliant set of all documentation to them in a timely could cause a cancellation of their grant offer.

Documentation

Testing, Commissioning Cert (Manufacturer or Agent)

RECI Cert

Equipment Data Sheets Incl. Certification

Declaration of Works

Invoice of Works

Photographs of the Installation

De-Minimus Declaration (where applicable)

GBER requirements verification (where applicable)

Photographs

Installation Location (Before) Incl. Existing Kit

Installation Location (After) Incl. New Kit

New Equipment - Labelling

Controls Panel

Pipework Connections (as applicable)

Controls Point Wiring

Power Point Wiring

Company & installer registration

We do not require an applicant to select a company from a register. This allows applicants to use their preferred company to complete the works and allows more of the supply chain to participate in the scheme.

However, in order to monitor quality within the supply chain for the scheme we do require that all companies and their associated installers carry out a registration process the first time they are nominated under the scheme. This is a simple process and you do not have to be registered to commence the works but rather before your client makes an application for payment.

Please note as part of the registration you can decide whether you wish to be on the published register of companies and installers or not. If you opt out of this list, you will remain in the application portal in case you want certain clients to select you on future applications. If you decide to remain visible on the register you will be exposed to a strong line of prospects through the scheme.

It is important that prior to commencing the works you and your associated installer download the registration forms for your respective roles and satisfy yourselves you can comply with all Terms and Conditions outlined therein.

Please follow the link below to complete the simple Business Energy Upgrades registration process, if this is your first involvement with the scheme. You can register for a number of measures through in a single application once you possess all the relevant requirements:

<https://www.seai.ie/register-with-seai/>