

# Heritage Statement

## Installation of Domestic Air Source Heat Pump to supply low carbon Heating and Hot Water at:

21 Eldon Street, Tuxford, NG22 0LG

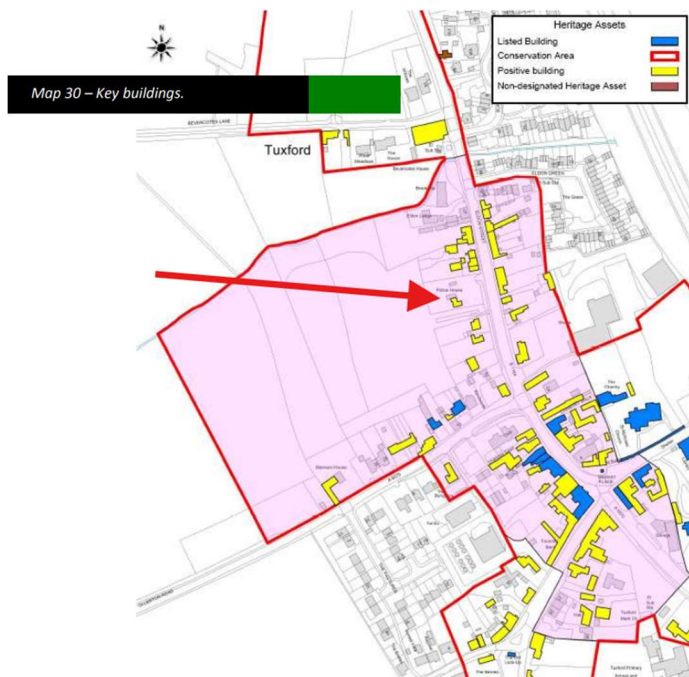
### PURPOSE OF HERITAGE STATEMENT

The purpose of this Statement is to show that Consideration has been given to ensure that the proposed installation is both sympathetic to and does not overly impact on the Heritage Asset.

### THE HERITAGE ASSET

The Heritage property address is 21 Eldon Street, Tuxford, NG22 0LG

The Property is not listed, but is regarded as a heritage asset in the Market Place character area in the Tuxford Conservation Area Appraisal and Management Plan (September 2011)



The appraisal and management plan states:

Numbers 15 to 21 Eldon Street is characterised by two storey houses set in larger individual plots. Some of these are late-Victorian, Edwardian and later twentieth century houses, evoking villa styles. Natural clay pantile and slate roofs, decorative chimney stacks and timber sash or casement windows are all common features. Numbers 17 and 21 have distinctive continuous roofs in matching slate at first floor over bay windows and porches.

## PROPOSED LOCATION OF INSTALLATION

The Air Source Heat Pump (ASHP) will sit at Ground Level in the rear garden of the property as shown in the accompanying location plan.

The installation CANNOT be seen from the road facing façade that is the primary interest of the appraisal and management plan.

The location site current houses an oil storage tank (Length 1800mm, Width 1000mm, Height 1400mm) which will be removed prior to the heat pump installation. The fencing and storage shed will also be removed to reduce the hard surfaces and reduce potential noise reflection.



Placing the ASHP unit here will enable the reuse of existing pipework and allow for the removal of an external vent from the oil boiler on the south wall of the property, which is visible from the street especially when exhaust gases vent during boiler usage.





### **THE HEAT PUMP**

The Heat Pump is 1.38 wide x 0.87m high x 0.46m deep. It will sit a minimum of 1.0m from the boundary wall, as shown in the attached location plan.

The Heat pump looks as shown to the left (stock image)

### **UNDERSTANDING THE NECESSITY OF THE INSTALLATION**

Heat Pumps are a direct replacement for a fossil-fuel boiler. Heating and Hot Water production accounts for around a fifth of all UK carbon emissions. The problem is huge and recognised now as a global threat. It is expected that by 2035 there will be a total phasing out of fossil fuel boilers for heating, in favour of Heat Pumps that can heat properties using Renewable-Energy (Solar and Wind in the main) created electricity.

It is a fact that Heat Pumps will become a mainstream heating appliance that will be ultimately installed to the majority of UK housing stock over the next couple of decades. It is not a luxury installation but one of absolute necessity. A property cannot operate without it. So, providing careful placement and Heritage considerations have been applied, it is our opinion that permission should be given.

With the property's existing boiler being old and unreliable, and wishing for a move away from oil, another option for installation was biomass. This would involve installation of a boiler, pellet feeder and the construction of a pellet storage area. This option would involve far more impact to the Heritage Asset than the Heat Pump installation would, not mentioning the environmental impact of smoke produced by the system.

### **CONCLUSION**

We have demonstrated that we have assessed the requirements of the client and the absolute essential need for the property to have an efficient, reliable heating appliance that is also future-proofed in line with future Legislation.

We have considered the heritage asset, its location, its elevations, and its wider setting.

We have assessed the location of the appliance and have ensured it provides minimal compromise / impact to the heritage asset.

We would ask that Permission be given on all the above grounds.