**DAC GUIDANCE NOTE**

**Heating Proforma 1**

This Guidance note has been compiled by the DAC heating adviser to give you a standard way of conveying the required information relating to the church existing heating system. This has been produced to allow the DAC to assess any future proposal.

Parish:

Church:

Application Reference number (if applicable):

Project description:

**Please circle all relevant answers.**

1. Is the system all electric? Yes No

If yes provide separate information for electrical consultant.

1. Is the system water type? Yes No

If yes complete the following questions

1. Is the system energy provided by

Oil fired boiler Yes No

Natural gas boiler Yes No

LPG boiler Yes No

Electric boiler Yes No

Biomass Yes No

Heat pump Yes No

Air Yes No

Ground source Yes No

Other Yes No

Please state type:

1. Manufacturer of heat source and model:

Temperature heat source operates when 0ºC externally

e.g. flow ºC

return ºC

1. Rated output of heat source \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Kw
2. Type of heat emitter

Radiators cast iron Yes No

Radiators steel Yes No

Radiators aluminum Yes No

Pipe loops Yes No

Underfloor heating steel Yes No

Underfloor heating plastic Yes No

Natural convectors Yes No

Fan convectors Yes No

Radiant panels Yes No

Finned tubes Yes No

1. Estimate output of all heat emitters independently

e.g. radiators, pipework, underfloor heating etc

Based on the capability of the provided heat source.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Kw

1. System type

Sealed Yes No

Operating pressure when hot \_\_\_\_\_\_\_\_\_\_\_\_bar

Manual fill Yes No

Auto filler Yes No

Auto filler type \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Open vented Yes No

Static head at heat source\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_meters head

1. Circulation

Gravity Yes No

Pumped Yes No

How many pumps? \_\_\_\_\_\_\_\_\_\_\_

1. System protection

Filter Yes No

Plate heat exchanger Yes No

1. Dosed Yes No

If yes, when last dosed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dosing type? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Pipes serving system

Cast iron Yes No

Steel Yes No

Copper Yes No

Plastic Yes No

1. Does the church have an incoming

mains cold water supply? Yes No

If yes, what is the incoming static pressure? \_\_\_\_\_\_\_bar

1. Briefly describe the existing control scheme.

Time clock Yes No

Single occupancy room thermostat Yes No

Non-occupancy room thermostat

[fabric protection] Yes No

Optimization Yes No

Zoning Yes No

Thermostatic radiator valves Yes No

1. Does the existing system adequately heat the church

if the system is permitted to run long enough? Yes No

1. If any boiler service documentation is available indicating

operating efficiency, this would be useful to be attached to any application.

1. A single line schematic drawing indicating the existing system

would be most helpful when assessing any new proposal.

1. Please provide any further information you may consider useful when

assessing the proposal.

1. Safety devices fitted

System pressure relief Yes No

If yes where fitted? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Fire protection Yes No

If yes, where is fire protection fitted? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Describe type of fire protection \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**If the existing heating system has failed, please answer the following questions.**

1. What is the mechanism of failure (why has it failed)
2. Who has advised that the system has failed? (please provide relevant invoice/report)
3. If the system cannot be repaired what is the reasoning behind this?

Document submitted by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dated \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_