



## Cost effective renewable heating for residents

The residents of 200 dwellings under the ownership of a Basingstoke Housing Association have been given a welcome boost to both their energy bills and their temperatures with the installation of Mitsubishi Electric Ecodan air source heat pumps.

The homes, all located in an off-gas area, were scheduled for an upgrade to their systems in the next five years but have now been fast-tracked for the installation by Sentinel Housing Association.



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**Ecodan heat pumps are ensuring that residents have affordable and renewable heating for their homes. They are also eligible for the RHI which was an important incentive for the choice of heat pump technology.**

The installations are being carried out by local firm Faulkners, who have been installing Mitsubishi Electric's Ecodan heat pump systems for the past eight years.

Sentinel Asset Manager, Carolyn Munns explains: "The main reason for looking for a renewable heat source was the cost of the existing fuel solutions. This is an off-gas area so they were all powered by either electricity or solid fuel. We are confident that tenants will be saving hundreds of pounds in energy bills by switching to air source heat pumps."

Ecodan air source heat pumps are proven to reduce both running costs and emissions over traditional carbon-intensive heating and are particularly suited to off-gas areas which are heavily reliant on oil.

The fact that they also qualify for the Renewable Heat Incentive (RHI) provides additional financial benefits to the owner of the system.

"The RHI was a major factor in our decision to install air source heat pumps," explains Carolyn. "Without this incentive we would not have been able to proceed with the installation, but when this is factored into the equation the money which Sentinel will receive makes it a very cost effective solution."

The installations also include Mitsubishi Electric's Metering and Monitoring Service Package (MMSP). This allows residents and Sentinel Housing to track how well the Ecodan units are operating, as well as enabling the

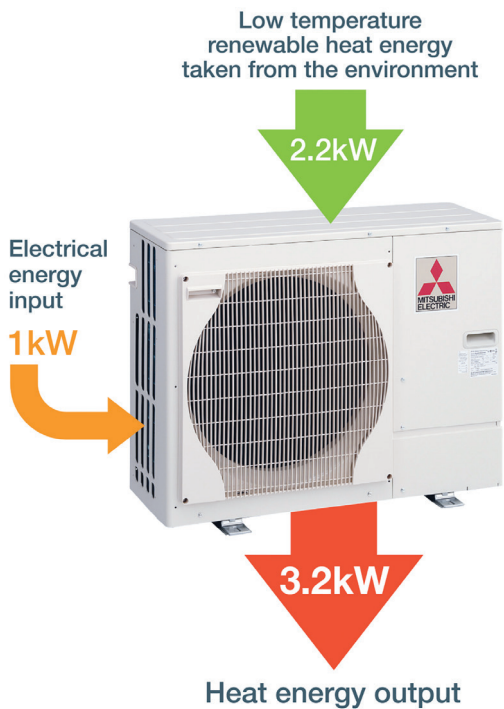


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Heat pumps use electrical energy and take low-grade heat energy from the outdoor air to heat refrigerant which in turn provides space heating and domestic hot water.\*

## Installation Summary

Smaller dwellings fitted with 5kW Ecodan PUHZ-W50VHA2 units; larger homes fitted with Ecodan PUHZ-W85VHA2 models.

All homes fitted with 150l or 170l Mitsubishi Electric pre-plumbed cylinders

Mitsubishi Electric EMP3 Metering & Monitoring Service Package (MMSP) also installed

Window and roof insulation improved

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Making a World of Difference

housing association to claim a further annual incentive payment under the RHI.

“We wanted something that would be easy to control as well as saving money, but we were also acutely aware that some of our residents weren’t able to afford to heat their home properly in winter due to the cost of solid fuels,” explains Carolyn.

“So as well as the financial benefits of the Mitsubishi Electric Ecodan solution, the residents will also benefit from a better quality of life as a result of having access to cost effective heating throughout the winter months. In addition, they will no longer have to worry about cleaning out and maintaining their old solid fuel system.”

She concludes: “There have been other costs involved in future proofing the homes, for example making sure that windows and insulation meet the required standards. This has however all been factored into the overall costs and both the Housing Association and the tenants will still be substantially better off with this renewable technology.”

\* As independently tested by BSRIA based upon BSEN14511 Part 3 standard rating conditions. Due to the method of operation, the performance of heat pumps will vary based upon the temperature of the heat source and the requirements of the heat delivered. The BSEN14511 testing relates to the heat pump performance only and not the entire heating system.



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Certificate Number: MCS HP0002  
Product Type: Heat Pumps  
Product References:  
PUHZ-W50VHA2-BS  
PUHZ-W85VHA2-BS



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