

## Queenswood Country Park: Air Source Heat Pump



### Key facts

**Location:** Queenswood Country Park, Dinmore Hill,  
Leominster, Herefordshire UK

**Grant recipient:** Queenswood and Bodenham Lake - a partnership between the Herefordshire Wildlife Trust and New Leaf Sustainable Development who manage the country park and nature reserve with the aim of promoting conservation and sustainability.

**Building:** Jubilee Building - installation of air source heat pump system to replace a Liquid Petroleum Gas (LPG) boiler.

**Air source heat pump (ASHP):** A system that transfers heat from outside to inside a building, or vice versa. Under the principles of vapor compression refrigeration, an ASHP uses a refrigerant system involving a compressor and a condenser to absorb heat at one place and release it at another.



### Renewable energy installation: Air source heat pump

**Additional capacity:** 12 kWp

kWp is the peak power of a system

**Predicted energy generation:** 37.428 kWh

A kilowatt hour (kWh) is the energy consumed by a 1,000-watt or 1-kilowatt electrical appliance operating for 1 hour.

**CO<sub>2</sub> saving per year:** 3.68 tonnes

### Financials

**System Cost:** £7,347

**Funding:** 50% Marches Renewable Energy grant;  
50% Queenswood and Bodenham Lake  
partnership own funds

### For further information

Marches Renewable Energy (MarRE) is an ERDF funded grant scheme towards renewable energy projects in Herefordshire, Shropshire and Telford and Wrekin.

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