

Moving Off Oil For Home Heating

1

CARRY OUT DOMESTIC ENERGY ASSESSMENT



Conducted by independent accredited domestic energy assessors (Found on Government website - cost: **£40-£60**). Survey makes an **Energy Performance Certificate (EPC)** with a rating A-G (average in UK is D) and provides recommendations on how to improve the rating under following headings: walls, floor, roof, windows, heating and heating controls, hot water and lighting.

2

IMPROVE INSULATION



Heat loss: Walls - 35%, Roof - 25%, External doors -15% , Floor - 15%, Windows -10%.
Walls (Heat loss 35%) Cost of internal or external wall insulation **£4,000 - £14,000**
Floor (Heat loss - 15%) Cost (suspended floor) **£800 - £1,000**
Roof (Heat loss - 25%) Cost **£1,000**
Windows (Heat loss 10%) Cost **£3,300 - £6,500**

REPLACE BOILER WITH HEAT PUMP



NOTE. Installation of heat pump in older stone-built rural properties may not be appropriate without first addressing heat loss through additional insulation. Energy assessment will provide necessary guidance.

Heat pump works like a fridge in reverse making the house warmer and the outside colder. Maguire technology. Very efficient system which uses about 3x less electricity than an electrical heater. Three main types:

Air Source Heat Pump (ASHP): Most common domestic type with a fan outside the house. Generates hot water at 40-70degrees. Cheaper option and government grants of **£7.5k** currently available. Cost: **£9,000 - £14,000**

Ground Source Heat Pump (GSHP): heat collected from an underground pipes or shallow boreholes. More expensive than ASHP for domestic users but more efficient and better for community projects. Cost: **£15,000 - £20,000** plus groundworks (**£7,000 - £20,000**).

Contractors for renewable energy should be accredited by Microgeneration Certificate Scheme (MSC). Three MSC accredited contractors in Bridport/West Bay, three in Lyme Regis.

<https://lodersenenergy.wixsite.com/cep>

INSTALL SOLAR PANELS



Solar Thermal panels use sunlight to heat water.
Solar Photovoltaic (PV) Panels convert direct sunlight into electricity.
Rooftop Solar PV panels can be used in combination with battery storage and you can sell unused electricity back into the grid.
Cost: **£5,000 to £10,000** for 4kw-6kw system. Cost **£5,000 to £10,000** for battery storage. Zero VAT until 2027.

GRANTS

Boiler replacement Upgrade Scheme (BUS) **£7,500** until 2025, Zero VAT until 2027.

Scan for access
to more
information



Useful links:

1

ENERGY SAVING TRUST

<https://energysavingtrust.org.uk/>



GOV.UK

<https://www.gov.uk/get-new-energy-certificate>

2

DORSET COUNCIL

<https://www.dorsetcouncil.gov.uk>



CENTRE FOR SUSTAINABLE ENERGY

<https://www.cse.org.uk/advice/heat-pumps/>



GREENMATCH

<https://www.greenmatch.co.uk/heat-pumps>

MSC

<https://mcs-certified.com/find-an-installer/>

4

GREENMATCH

<https://www.greenmatch.co.uk/>

<https://www.greenmatch.co.uk/solar-energy/solar-panels/solar-batteries>



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<https://lodersenergy.wixsite.com/lcep>

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