Suffolk
Creating the Greenest County

Neil

Historic building

Property
Detached house, part timber frame, part brick, dating originally from c.1570

Primary heating source pre-installation
Oil-fired central heating

Secondary heating source
New, very efficient low emission woodburner in lounge

Energy efficiency / renewable energy installation
Air source heat pump. Since supplemented with new double glazing and 5.95kW solar panels plus 13.5kW battery

Approximate total cost of install
Heat pump total cost, including 2 larger radiators £16,900

Value and source of grant funding or subsidy accessed
Renewable Heat Incentive funding, paid quarterly, approximately £13,000 in total over 7 years

Estimated payback period
Currently expected to be within 5 years for the heat pump, not including the further savings from solar energy. Zero net energy bills should now be possible

EPC Rating Pre-installation	E
EPC Rating Post-installation	C
Annual energy bill saving*	£1,100

* Approximate annual saving.

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David

New build: solar PV & battery

Property
Detached 3 bed, 2021

Primary heating source pre-installation
Modern gas boiler for heating & direct hot water with immersion option

Secondary heating source
None

Energy efficiency / renewable energy installation
Air source heat pump. 8.12kWp of solar PV and 9.6kW of battery storage

Approximate total cost of install
£21,840

Value and source of grant funding or subsidy accessed
£5,000 from Boiler Upgrade Scheme voucher

Estimated payback period
5-6 years. Other benefits such as a quiet cosy home 24/7 and no stressing about large gas bills

EPC Rating Pre-installation	B
EPC Rating Post-installation	A
Annual energy bill saving*	£2,800 - £3,000

* No gas bill and annual electricity bill is a refund of approximately £500.

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Linda

1930s detached

Property
1930's detached house with pebble dash render

Primary heating source pre-installation
Gas-fired central heating

Secondary heating source
Woodburning stove in sitting room

Energy efficiency / renewable energy installation
External wall insulation and new double glazed UPVC windows; increased the solar PV array

Approximate total cost of install
New windows and sills installed approx. £900 per window. External insulation worked out at £140 per sqm. Solar PV 3.32kW £4,490

Value and source of grant funding or subsidy accessed
None

Estimated payback period
Solar PV: 7 years. Insulation: 15 years

EPC Rating Pre-installation	F
EPC Rating Post-installation	B

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Johnathan

Recent build: full upgrade

Property
Detached post-2000

Primary heating source pre-installation
Oil-fired central heating

Secondary heating source
Electric log-burner effect small stove

Energy efficiency / renewable energy installation
Solar PV system (10.5kWp) with battery storage and solar diverter for water heating; air source heat pump and larger radiators; EV charger

Approximate total cost of install
£30,000

Value and source of grant funding or subsidy accessed
£5,000 from Boiler Upgrade Scheme voucher

Estimated payback period
13 years after taking loan financing (via green mortgage extension) into account

EPC Rating Pre-installation	D
EPC Rating Post-installation	A
Annual energy bill saving*	£2,500

* Expected annual saving.