

GREEN OPEN HOMES

WEEKEND

Open Home Profile

Name:

Fergus Dingle

Contact (optional):

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Location:

19 Talgarth Rd, Bristol

Home Overview

Home Type (e.g., Detached, Semi-detached, Apartment, Bungalow):

Semi-detached

Year built (Approx):

1930

Size (Square footage or number of bedrooms/bathrooms):

4 bed

Renovation History (Include any green renovation dates or milestones):

2020 - Heat Pump installed, external insulation, new windows and doors, Insulated roof,
Rainwater harvester installed, underfloor heating. 2025 - Solar PV installed.



FUNDED BY



Insulation (Type, areas insulated):

External insulation (expanded polystyrene with render)

Windows & Doors (Type, materials used, double/triple glazing):

PVC double / triple glazed windows and doors.

Green Features

Energy efficiency

Heating System (Type, efficiency rating, and control system):

Vaillant EcoTherm Heat Pump

Cooling System (Type, efficiency, and control system):

N/A

Lighting (LED, smart controls, natural light):

LED throughout

Appliances (Energy Star rated, specific energy-efficient models):

N/A

Smart Technologies (Smart meter Tariffs, integration tech):

Smart Meter, Smart Car charger

Energy efficiency

Solar Panels (Number, capacity, and type):

12 - panels

Green Features

Energy efficiency

Battery Storage (Type, capacity, and integration):

5kw Enphase Battery

Other Renewable Sources (Specify any additional renewable energy systems):

Green Features

Indoor Environmental Quality

Air Quality (air purifiers, low-VOC paints and materials):

N/A

Ventilation Systems (Trickle vents, wall vents, MHRV):

Abandoned Positive air project.

Natural Lighting (Skylights, sun tunnels, and window placement):

3 skylights

Other useful information:

Performance & Savings

Energy Savings (Annual kWh saved, percentage reduction compared to previous years):

90% savings due to solar.

Carbon Footprint Reduction (Estimate of CO2 reduction - this [CO2 calculator](#) can be a useful tool to use):

Financial Savings (Utility bill reductions, payback period for green investments):

Green Features Challenges & Solutions

Heating System (Issues encountered during the renovation/work):

Slow leak caused heat pump to fail over first few months

Solutions Implemented (How challenges were overcome, any innovative approaches):

Leak fixed.

Upcoming Projects (Planned upgrades, additional sustainability measures):

None.

Long-term Goals (Goals for further reducing environmental impact):

Diet, air travel reduction, dismantling the fossil fuel industry.



Any other information you'd like to share?