



Welcome!

**Save money,
save carbon,
boost comfort!**



**#JustDoSomething
Pathway Zero
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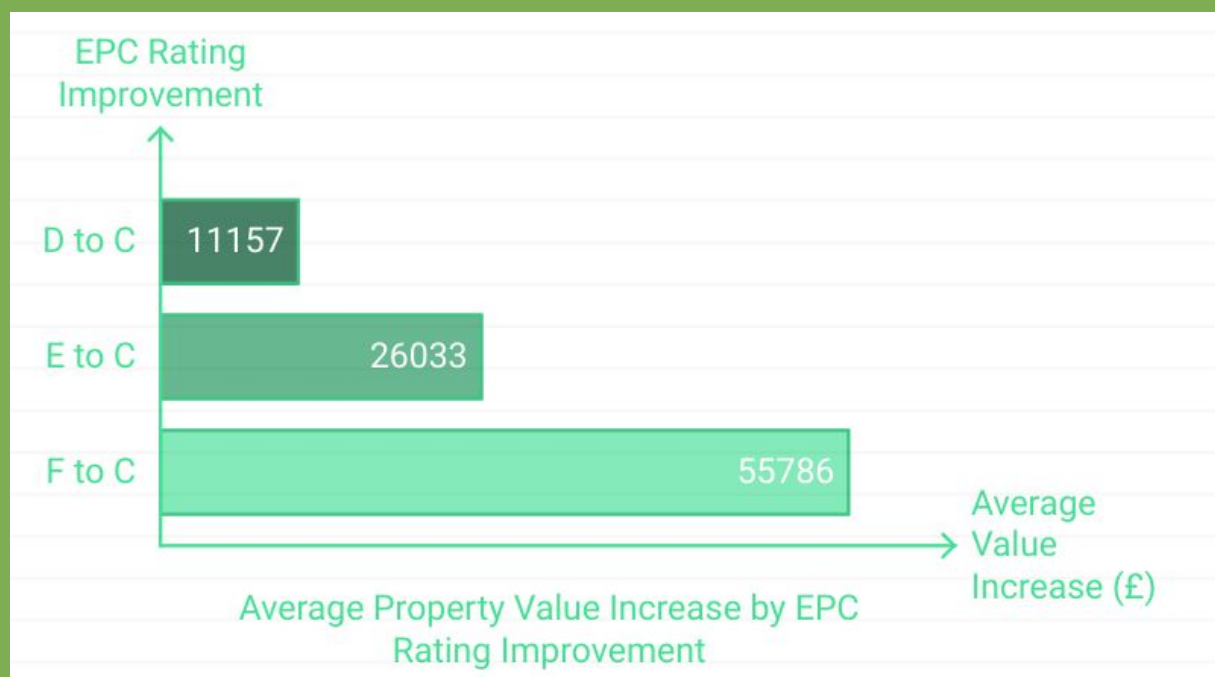
Rightmove Greener Homes Report

80% of current buildings will still be inhabited in 2050.

6% of building moved into the a-c rating between 2019-2023

At this rate it will take **43 years** to get all properties to SAP C

19% of renters say energy bills are factor in choosing a home.





Your annual energy summary

Your house currently consumes

This is equivalent to

3,500 kWh elec.

15,000 kWh gas

3.43t CO₂

80 trees

	Energy used (kWh)	Annual spending (£)	Carbon footprint (tonnes CO ₂)
Space heating	12,000	640	2.24
Hot water	3,000	163	0.51
Electricity	3,500	865	0.68
Total	18,500	1668	3.43

By implementing energy efficiency measures and moving to renewables you could get down to

<0.50 tonnes of CO₂



Change behaviours and save energy

DID YOU KNOW?

Heat escapes from your home through the roof, walls, floor and windows!

Walls: 35%



Roof: 25%

Floor: 15%

Windows: 25%

Boiler controls

Turn down your thermostat
1° savings
£84

Reduce the boiler flow
temperatures down to 60°
£84

Balance your heating system
£67

Fabric

Draw curtains at dusk
£117

Draught proofing doors and
windows
£50

Chimney balloon
£40

Appliances

Don't overfill kettle
£30

Wash at 30°
£45

Turn off appliances
£50

Switch from fan heaters to
infrared
save 90%

Lagging

Lag hot water pipes
£60

Hot water tanks should
have 80mm of insulation, if
not install at hot water
jacket
£50

Radiator foil
£40

Thermal blankets and gilets

Energy efficiency technologies

Smart radiator valves

Smart radiator valves enable to heat different radiators at different times of day to different temperatures, saving 20% on your heating costs.

Cost to install: £240

Energy saving p.a.: £110 (12.5%)

Payback 2.18 years

Smart thermostat

Smart thermostats learn heating patterns, understand the fabric of the house and consider outside temperatures when heating the home, saving 10% on heating costs

Cost to install: £250

Energy saving p.a.: £88 (10%)

Payback 2.84 years

LED lighting

LED bulbs can be up to 80% more energy efficient than conventional bulbs and last 10x longer.

Cost to install: £900

Energy saving p.a.: £450

Payback 2 years



Hydromx heat transfer solution

What is Hydromx?

Hydromx is a nanotechnology heat transfer solution which is used to improve the heat transfer within a closed-loop heating system such as a boiler and radiators. This is achieved by reaching the required temperature faster, meaning that the energy required is vastly reduced, therefore saving money and cutting carbon emissions.



Costs and savings

Cost to install:	£1500
Energy saving pa:	£280
Payback (years):	5.35
CO2 saved pa:	0.75 tonnes
Boiler life extension saving:	£33 a year

Benefits

- Reduces heating demand by 20-35% with commensurate carbon savings
- Cuts gas flue emissions, improving air quality
- Warms home quicker 2.4 times quicker
- Installation is quick with minimum disruption.
- Little annual maintenance and extends boiler life
- 20-year warranty protection against corrosion and freezing.

Renewable options

Solar and batteries

Solar photovoltaic generates electrical energy from sunlight through an array of panels generally fixed on a south facing sunny roof. The energy can either be used in your home or exported to the National Grid for someone else to use.

Battery storage can also be considered. Here you need to consider the cost of the battery and how many cycles it will last. This will allow you to calculate the cost per cycle and therefore if it is economical for you.

Costs and savings

Cost of install:	£5000
Energy savings p.a	£607
CO2 saved	0.43 tonnes
Payback in year	8.23 years

Things to consider

Differential between your tariff and export rate

Could you benefit from a time of use tariff like economy & Octopus' Agile tariff?



Renewable options

Air source heat pump

Capture heat that is in the air and concentrate it up to a higher temperature with the use of a refrigerant.

Work best when you can reduce the heating load to a minimum and spread the load over a longer period. They therefore work better in well insulated homes with underfloor heating or oversized radiators.

Government has set up the Boiler Upgrade incentive scheme which offers a £7500 grant toward the purchase.

Costs and savings

Cost to install:	£12.5-15k
Energy saving pa:	gas:elec dependent
BUS Grant:	£7500
CO2 saved pa:	2.8 tonnes

Things to consider

By moving to a cheaper electricity tariff, the heat pump running costs could become cheaper than gas running costs.

This includes £92 of standing charge for gas.

In this scenario, you would be required to swap your gas hob for an electric hob.





Home Energy Transformations

- Quality **solar, battery and heat pump** technology at scale. Our ambition is to **get homes off of fossil fuels** and **reduce your bills**.

Bottom-up & Community Focused

- Working closely with communities in developing **street-by-street strategies** and using **certified local tradespeople**

Putting Homes at the Centre of the Energy System

- Working with digital tools to maximise your benefits
- Coordinating your system with the grid's intermittency



Power to the People



The Onezero Solar + Battery Offer:

Example proposal for a terraced house in London.

3.96 kWp
System Size

5.18 kWh
Battery Size

298 %
Total Return on Investment

£35,591
Lifetime Electricity Bill Savings

Learn how to customise views

Customer View

JAM54D40 GB Black Frame

3.96kW of Solar Power

9 x JAM54D40-440/GB Black Frame

440 Watt panels

25 Year Product Warranty & 30 Year Linear Performance Warranty

3,337kWh per year

Play

Details

Specs

JA SOLAR

FoxESS H1 SERIES (G2) Hybrid Inverter

5 kW of Inverter Power

Fox ESS

1 x H1-5.0-E-G2

10 Years Warranty

Details Specs

Battery

Fox ESS

5.18 kWh Total Battery Storage

1 x EP5

- Local, certified installation team of roofers & electricians
- Advice and guidance on choosing the best tariff for your home
- Opportunities for homeowners to take advantage of flexibility market offers (e.g Demand Flexibility Schemes)

System Performance

109%

Energy From Solar

Daily Energy Profile

GENERATION (kWh/day)

CONSUMPTION (kWh/day)

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Generation (kWh/day)	3.5	5.8	8.9	11.6	13.5	14.6	14.4	12.5	10.1	7	4.5	3.1

£35,591

Utility Bill Savings

-

£8,932

Net System Cost

=

£26,659

Estimated Net Savings

Cumulative

Annual

Cumulative Savings From Going Solar

Initial Investment

Payback 9 years, 8 months

Net Savings £26,659

60%

Self-consumption

40%

Export to grid

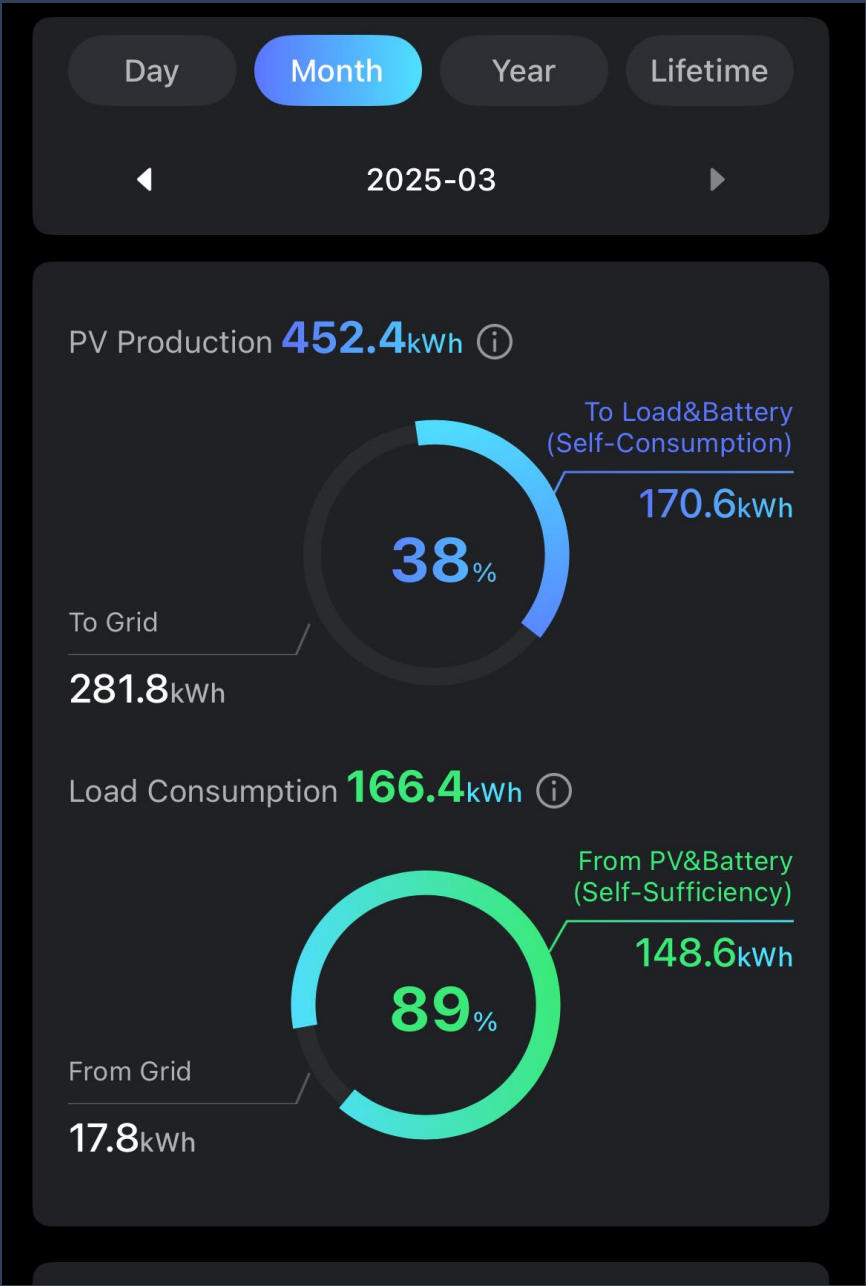
Power to the People



An example of our work in London:

March data from an SW18 installation

Only imported 10% of their electricity from the grid...



Power to the People



How can you be involved?

- Get in touch for a free desktop analysis for solar, batteries and heat pump
- Become a street lead in your neighborhood
- Refer a local tradesperson who wants training

Email: ed@onezero.energy

Scan QR code to learn more



*Power to the
People*

Radiant heating options

What is infrared?

Form of radiant heat, similar to the sun. While traditional radiators heat a room through convection heat, infrared heats people and objects.

The sector is pushing for regulatory approval to be considered a renewable heat source with efficiency rates of 250%.

Worth considering in conservation areas, where damp is an issue and for those who living a few rooms in a large house.



IR heating panels

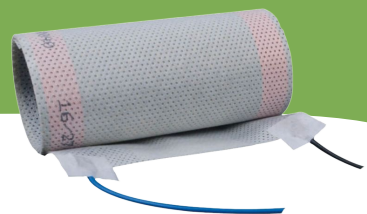
The oldest of the technologies. These panels can be fixed to walls or ceiling.

They heat up to between 100° and 120° and quickly start to beam heat onto room occupants, so heat can be felt within 1-2 minutes

Within 30-40 minutes walls, floors and furniture will start to emit heat and so warm the air temp.

Can be controlled with in-room thermostats and through smart apps

Carbon fibre heat



Works like IR panels but the surface temperature only rises to 35-40°.

Install in ceilings and sometimes walls. Offering a larger surface area and more even heat.

The rolls are embedded into the ceiling, so out of view.

Controls can be via thermostats or sensors.

Insulation

Remember where heat escapes from your home!

Walls: 35%



Roof: 25%

Floor: 15%

Windows: 25%

Solid wall insulation

Cost to install:
£150-260/sqm

Energy saving pa:
£290

CO2 saved pa:
0.80 tonnes

Affordable option:
Cork Sol

Loft insulation

Cost to install: **£300-£600**

Energy saving pa:
£210

CO2 saved pa:
0.56 tonnes

Requirement now 270mm

Floor insulation

Solid, Suspended or Timber

Cost to install:
£2500

Energy saving pa:
£84

CO2 saved p.a.:
0.22 tonnes

Double/triple glazing

Cost per window: **£400-£600**

Energy saving pa:
£128

CO2 saved pa:
0.56 tonnes

Affordable option:
Acrylic glazing

Grants

Great British Insulation Scheme

The scheme provides **free or cheaper insulation** to eligible households including homeowners, landlords and tenants. The scheme covers cavity wall and loft insulation only. Energy Supplier lead process.

Eligibility:

EPC rating D-G

Council Tax band A-D

Household income/ Income support

Warmer Homes Grant

The scheme providing **funding for renewable heat and energy efficiency measures**.

Launched in April 2025. LA lead grant scheme – Up to £30k of funding. GLA has bid for £600m of funding over 3 years.

Eligibility:

One of : IMD eligible postcode/ Income support/
Income under £36k

Landlords: 1st property 100% funded. 50% match
funding on subsequent houses.

EPC rating D-G



Support from Kingston Council

Half price home energy assessment

Partnership between CREW Energy and Kingston Council to offer Kingston residents affordable home energy assessments

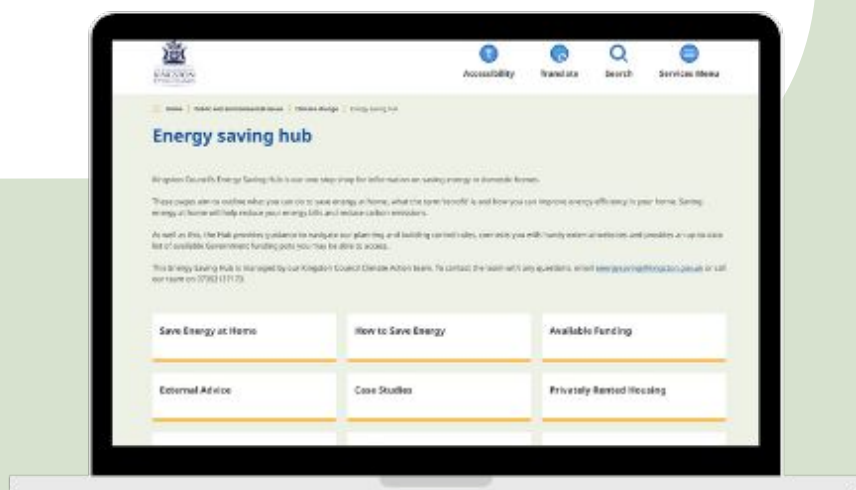
For £150, you get a **full report tailored to your home** and circumstances, with step-by-step information on:

- Areas you can improve in your home
- Typical cost of each improvement
- How much carbon and cash it could save you

Energy Saving Hub

Support and information on:

- Available funding scheme
 - Energy Company Obligation (ECO) scheme (Ofgem)
 - Boiler Upgrade Scheme (BUS) (DESNZ)
 - Great British Insulation Scheme (DESNZ)
 - Warm Homes Better Health (Kingston Council x Thinking Works)
- Retrofit Guidance for Households
- Energy saving tips



Banking solutions



NatWest

The offer:

Green Mortgage 0% interest up to 5 years

20k maximum drawdown

Eligibility:

Nationwide Customer

90% max LTV combined with current mortgage

100% spend on green technology



LLOYDS BANK



Grant based system:

£2k Heat pump or wall insulation

£1k Solar panels

£500 smaller measures

Eligibility:

Mortgage with provider

MCS accredited installer



Q&A

**Time for your
questions**



Thank you!

Sign up for our
monthly energy
tips and news



Come along to our next event:

A poster for the 'Community Energy Now!' event. At the top, it says 'Community Energy Now! Powering Up South London'. In the center is a map of South London with boroughs colored in blue and white. The blue-colored boroughs are Richmond, Wandsworth, Lambeth, Lewisham, Greenwich, Bexley, Bromley, Croydon, Sutton, Merton, and Kingston. Surrounding the map are several logos: 'LONDON CLIMATE ACTION WEEK 21-26 JUNE 2025', 'CREW' (Community Renewable Energy Workers), 'SE24 SUSTAINABLE ENERGY', 'REPOWERING LONDON', 'Community Energy London', 'se1 solar', 'CROYDON COMMUNITY ENERGY', and 'SOUTH EAST LONDON COMMUNITY ENERGY'. At the bottom, it says 'Join us on Wednesday 25 June 2025 7-9pm, Pump House Gallery, Battersea Park'.

Or get in touch

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