



Building distributed power plants across our homes





THE PAPER FOR LEWES - RINGMER - CHAILEY - NEWICK

SUSSEX EXPRESS

Established 1837

Harvey's depot is set to become a community centre and power station building. The first on the site is the country & village centre, which is set to be built on the site of the building.



Solar power station plans for brewery

By ANNE MORRELL

Harvey's depot is set to become a community centre and power station building. The first on the site is the country & village centre, which is set to be built on the site of the building.

Harvey's depot is set to become a community centre and power station building. The first on the site is the country & village centre, which is set to be built on the site of the building.

Harvey's depot is set to become a community centre and power station building. The first on the site is the country & village centre, which is set to be built on the site of the building.

Harvey's depot is set to become a community centre and power station building. The first on the site is the country & village centre, which is set to be built on the site of the building.



GB Grid Carbon Intensity



63
gCO₂/kWh

	Wind	13600 MW	(45.1%)
	Solar	6400 MW	(21.1%)
	Nuclear	5100 MW	(16.8%)
	Gas	4100 MW	(13.6%)
	Biomass	890 MW	(2.9%)
	Other	100 MW	(0.3%)
	Hydro	41 MW	(0.1%)
	Belgium	0 MW	(0.0%)
	Coal	0 MW	(0.0%)
	France	0 MW	(0.0%)
	Ireland	0 MW	(0.0%)
	Netherlands	0 MW	(0.0%)



Demand & price

- Demand: 26.93GW
- Price: £41.31/MWh

Environment

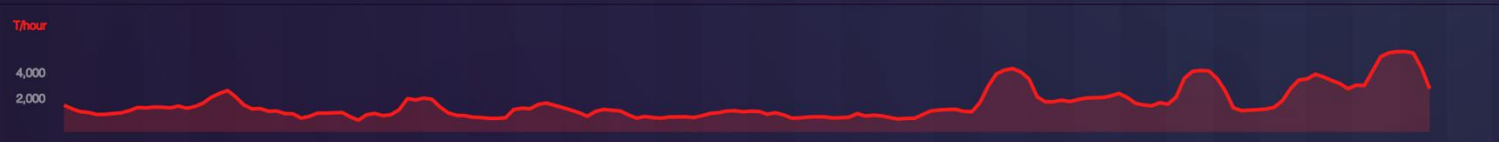
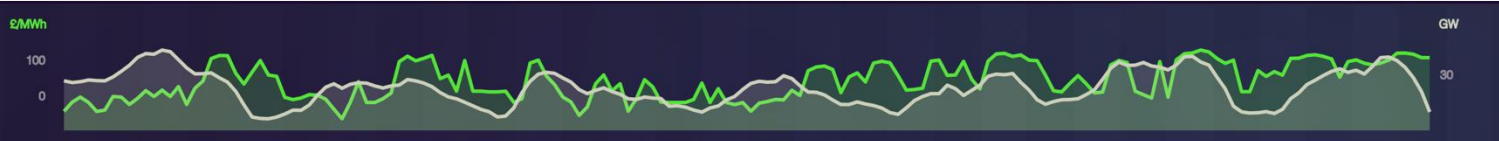
- Emissions: 56g/kWh
- Temperature: 16.76°C

Supply

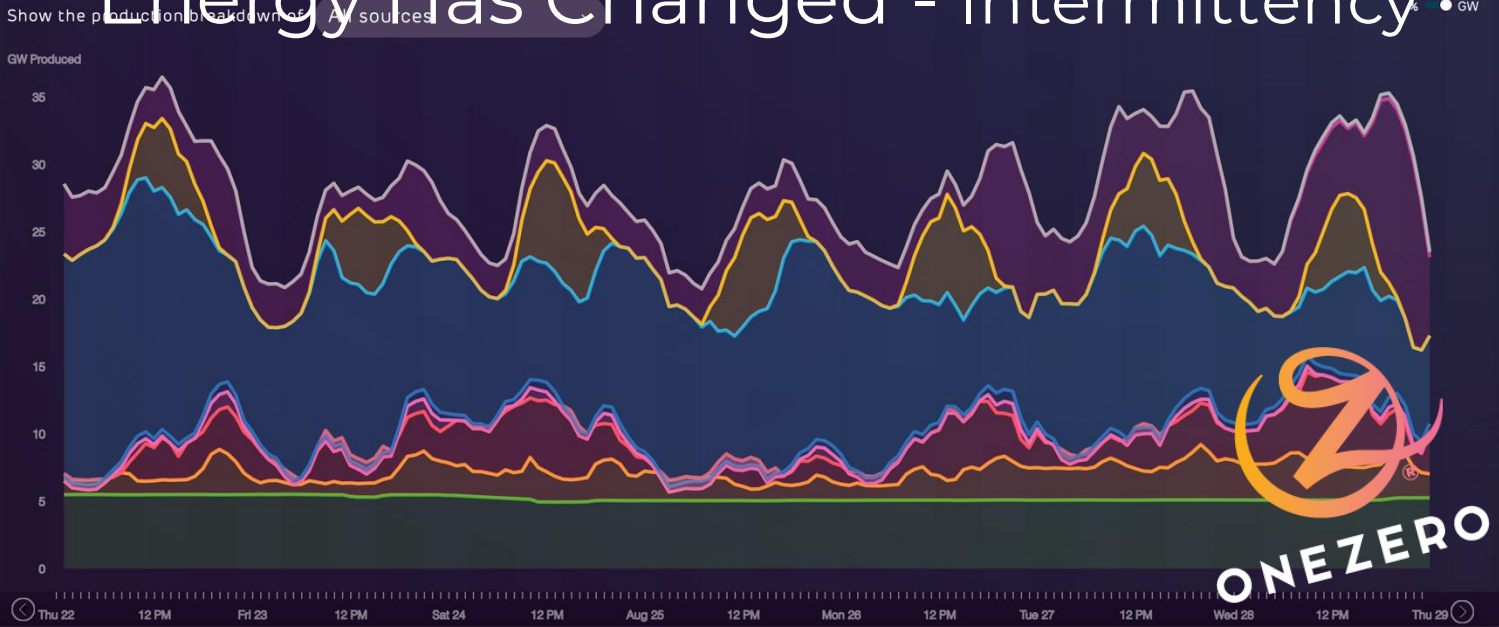
Coal	0.04GW	0.12%
Gas	4.33GW	15.15%
Solar	2.07GW	6.89%
Wind	11.38GW	41.24%
Hydro	0.50GW	1.78%
Pumped Storage	-0.02GW	-0.17%
Imports & Exports	2.52GW	8.84%
Biomass	2.02GW	7.21%
Nuclear	5.20GW	18.94%

Research

- Quarterly Reports
- Methodology and Sources

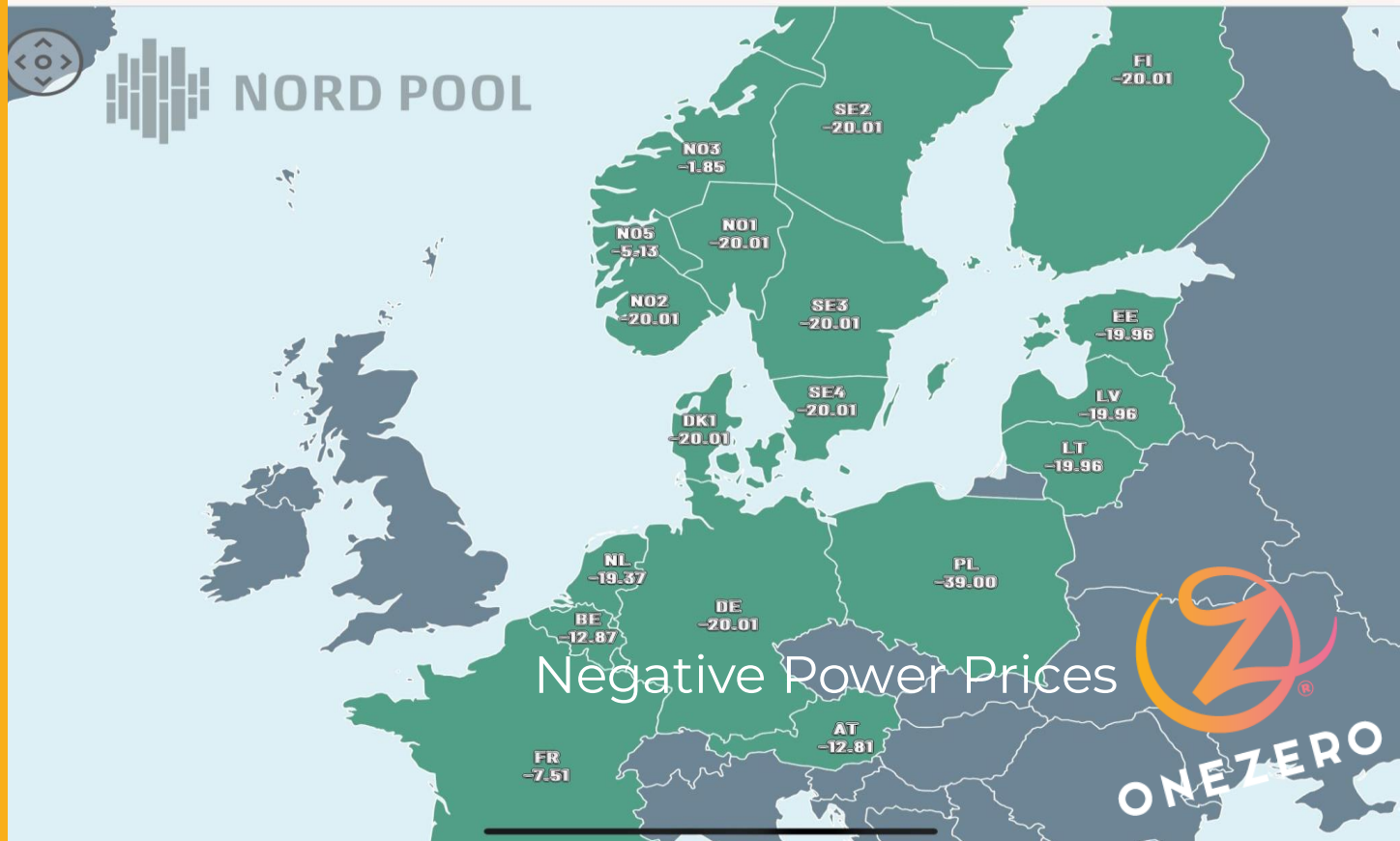


Energy Has Changed - Intermittency



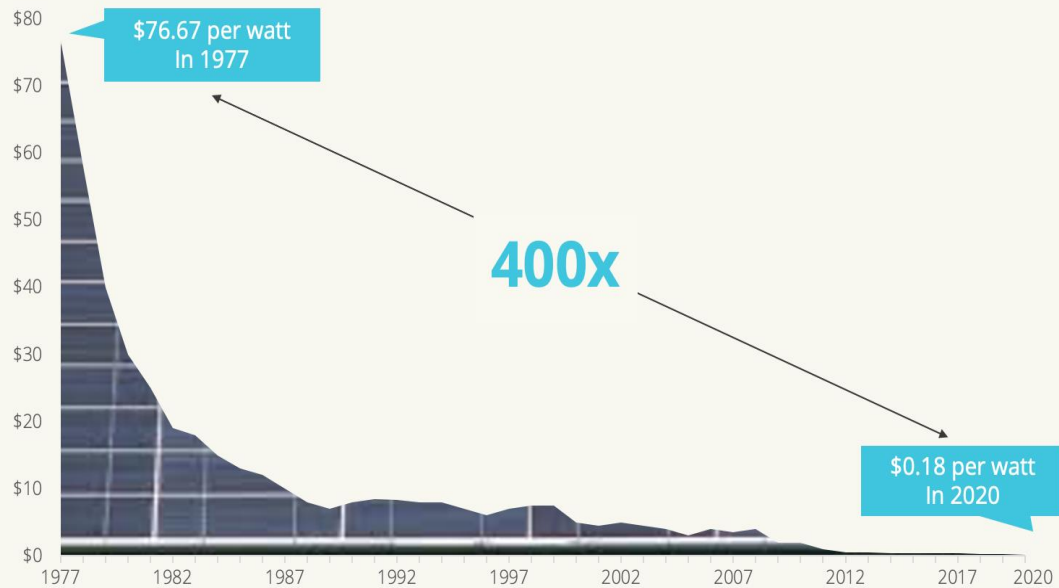


NORD POOL



ONE ZERO

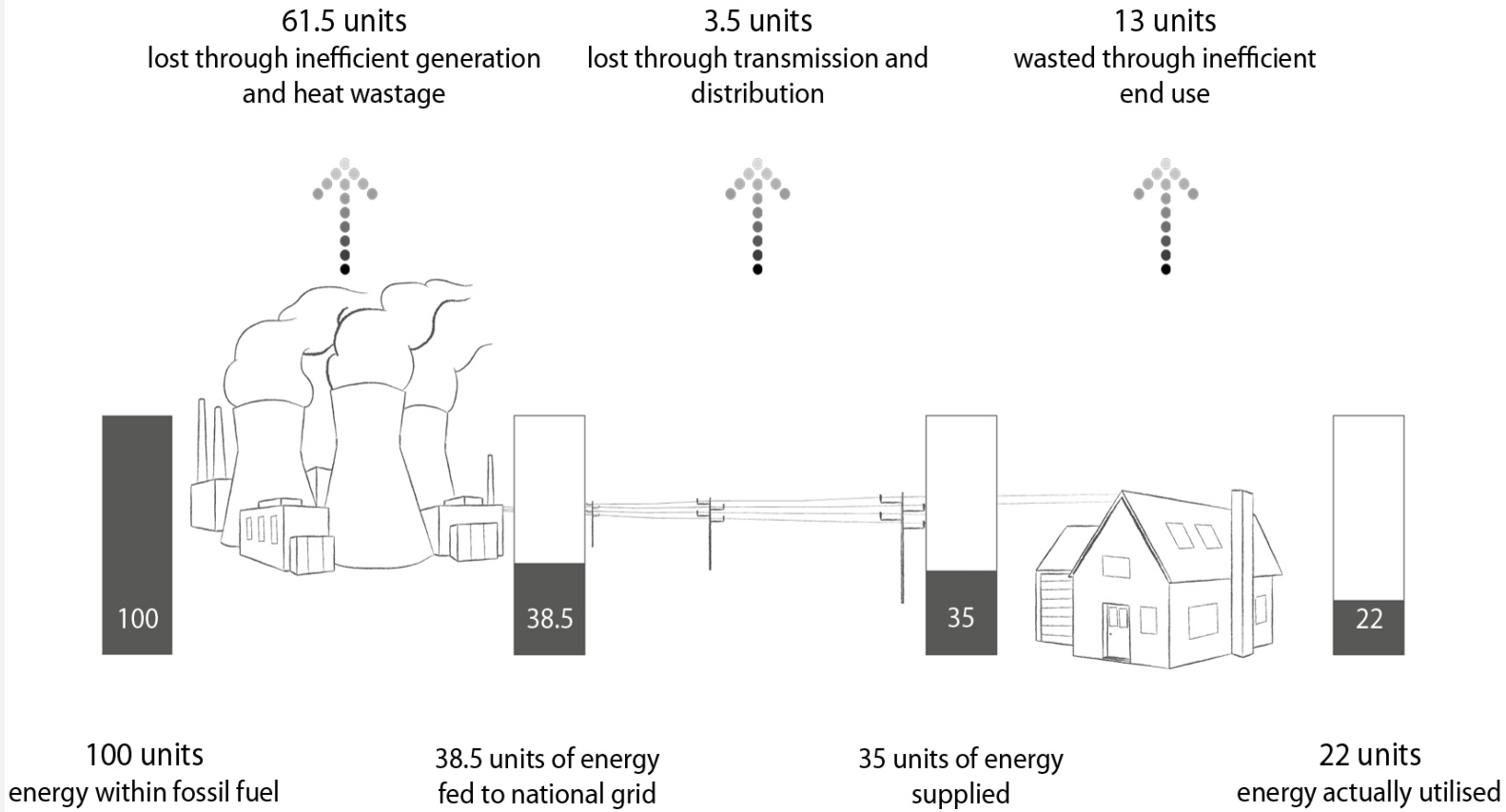
The cost of solar has dropped 400x



FREEING
ENERGY

Sources: Bloomberg, NREL | <http://fep.link/g116>





The existing system is inefficient



Health & Wellbeing

Are gas stoves really dangerous? What we know about the science

New studies show just how harmful to health they can be, but there are good alternatives to the open flame

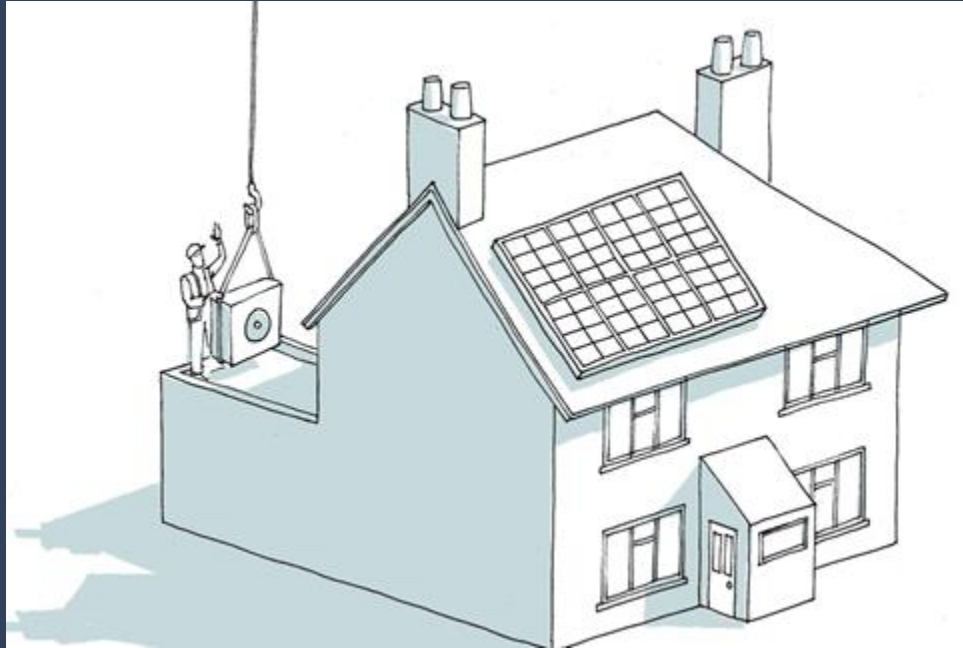


putting your home at the centre of the energy system

Can your home generate and store energy?

Yes - with solar, batteries and heat pumps

Digital tools to work with the intermittency and maximise the benefits



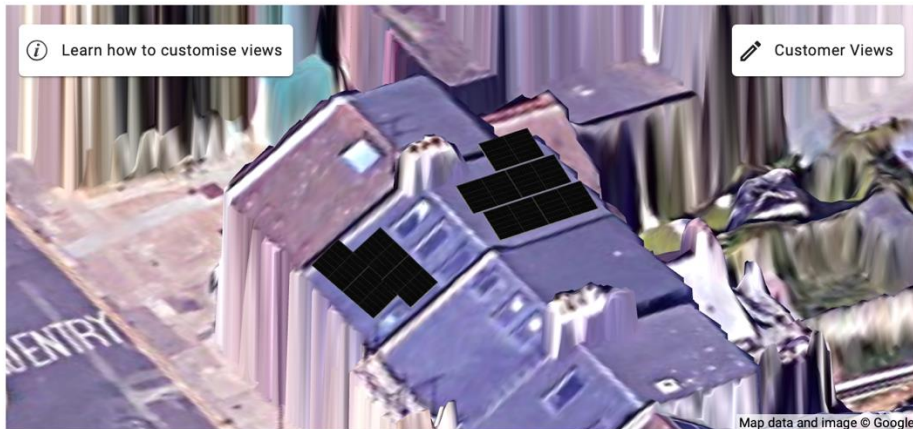
What does this look like in Brighton?

3.96 kW
System Size

£943
Estimated Annual
Electricity Bill Savings

£8,875
Total System Price

£8,875
Net System Price



[Learn how to customise views](#)

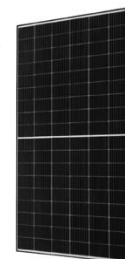
[Customer Views](#)

Your Solution

JAM54D40 GB Black Frame
3.960kW of Solar Power
9 x JAM54D40-440/GB Black Frame
440 Watt panels
25 Year Product Warranty &
30 Year Linear Performance
Warranty
3,797kWh per year

[Play](#) [Details](#) [Specs](#)

JA SOLAR



FoxESS H1 SERIES (G2) Hybrid Inverter
3.68 kW of Inverter Power
Fox ESS
1 x H1-3.7-E-G2

[Details](#) [Specs](#)

FOX
ESS



FoxESS EP5
5.18kWh of Battery Storage
Fox ESS
1 x EP5

[Details](#) [Specs](#)

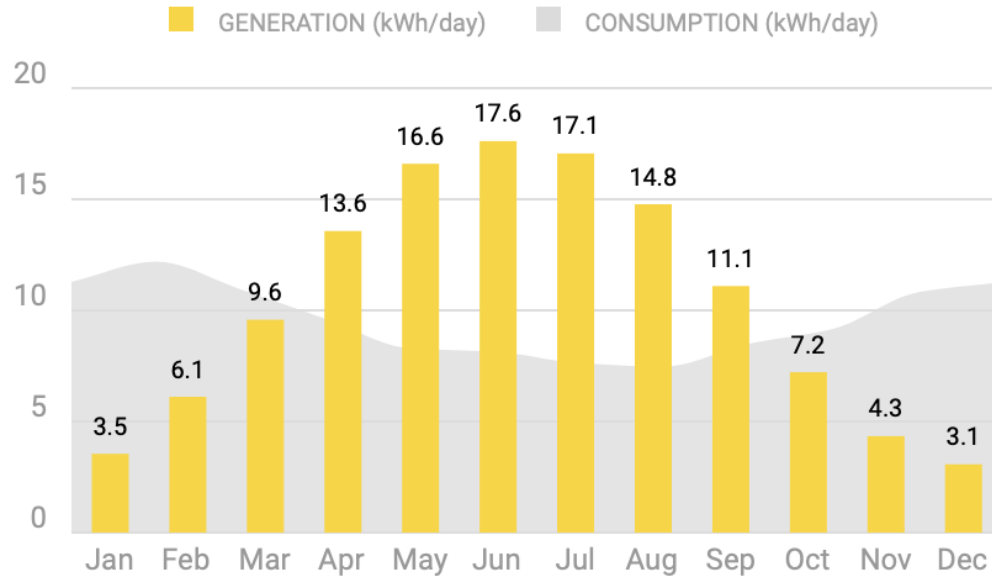
FOX
ESS



ONEZERO

What does this look like in Brighton?

System Performance

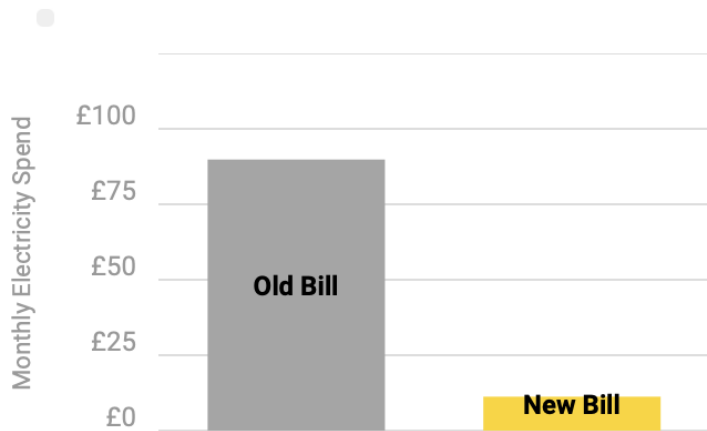


108%
Energy From Solar

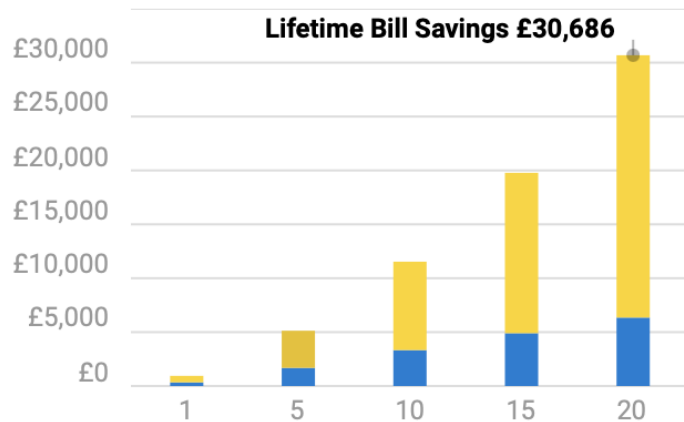
What does this look like in Brighton?

Electricity Bill Savings

First Year Monthly Bill Savings



Cumulative Bill Savings



Lifetime Bill Savings £30,686

Year: 5
Smart Export Guarantee: £1,684
Savings: £3,446

What is the kit we are using?

JASOLAR

DeepBlue 4.0 Series



BYCIUM+ Cell



High-density Encapsulation Technology



Higher Power & Efficiency



Lower Degradation

Lower Temp. Influence



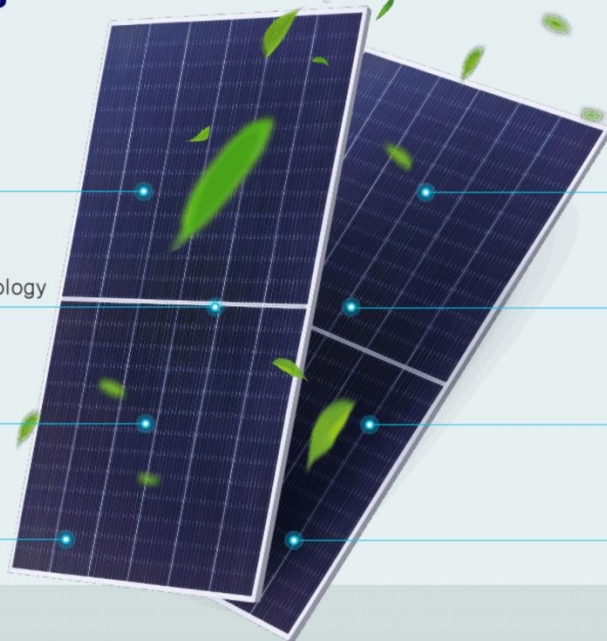
Higher Bifacial Benefits



Better Low-light Performance



Excellent Reliability



What is the kit we are using?

Fox ESS BATTERY | E P 5

EXPANDABLE SYSTEM 01

Scalable to 20.8 kWh.

90% DOD 02

90% Depth of Discharge.

HIGH EFFICIENCY 03

High voltage and high efficiency.



04 IP65

IP65 protection level.

05 EASY INSTALLATION

Compact & easy installation.

06 INSTALLATION LOCATION

Floor or wall mounting.



3 ~ 6 kW
H1/AC1





Onezero's Delivery Process

1

Scaffolding

Using local contractors we will probably scaffold more than one house at once

2

Roof Work

Pitched and flat roof installations can be completed within a day. A desktop structural assessment is completed on all projects

3

Electrical connection

We install a new sub board, batteries, switches and inverters. Then wire it all into your home

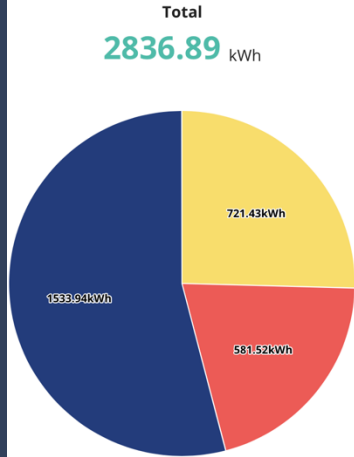
4

Handover and commission

Once its all in place we commission and test the system and set up up on the app so you can see whats going on with it



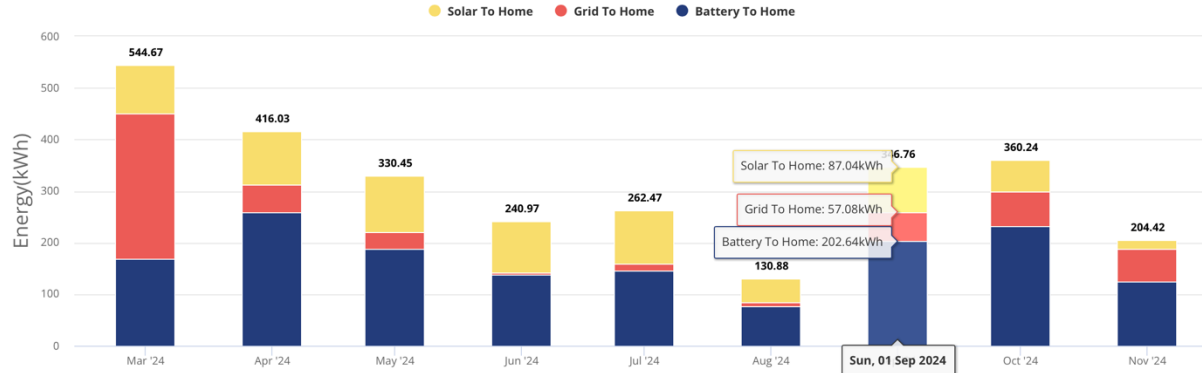
What does this look like in Brighton? Annual energy flows for a home in Brighton



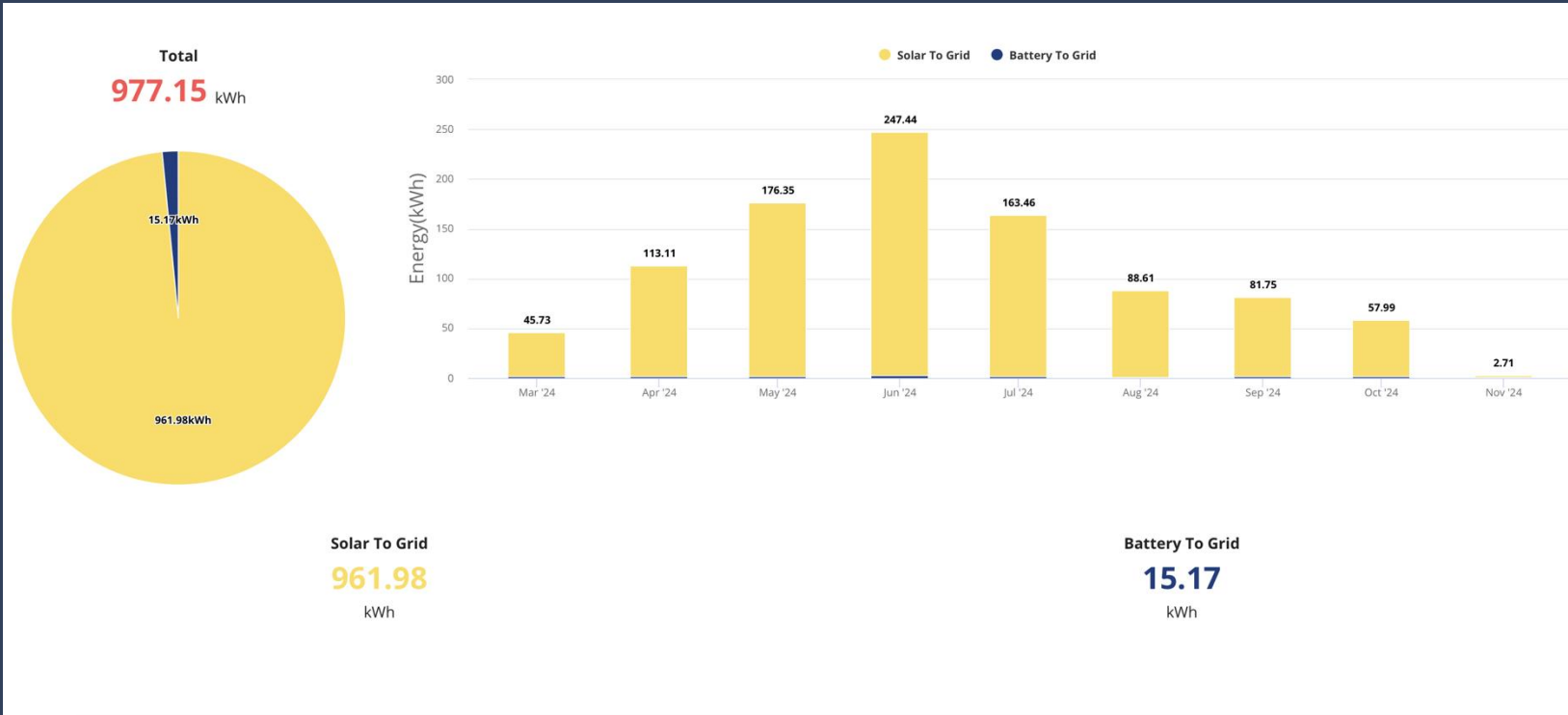
Solar To Home
721.43
kWh

Grid To Home
581.52
kWh

Battery To Home
1533.94
kWh



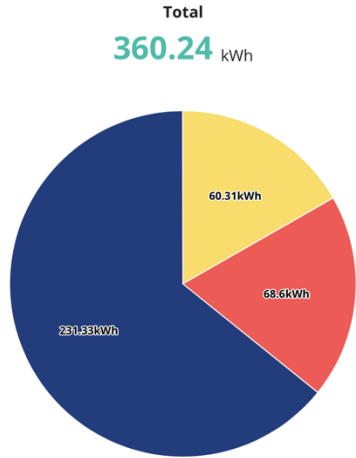
What does this look like in Brighton? Solar export worth £150



What does this look like in Brighton? June generation



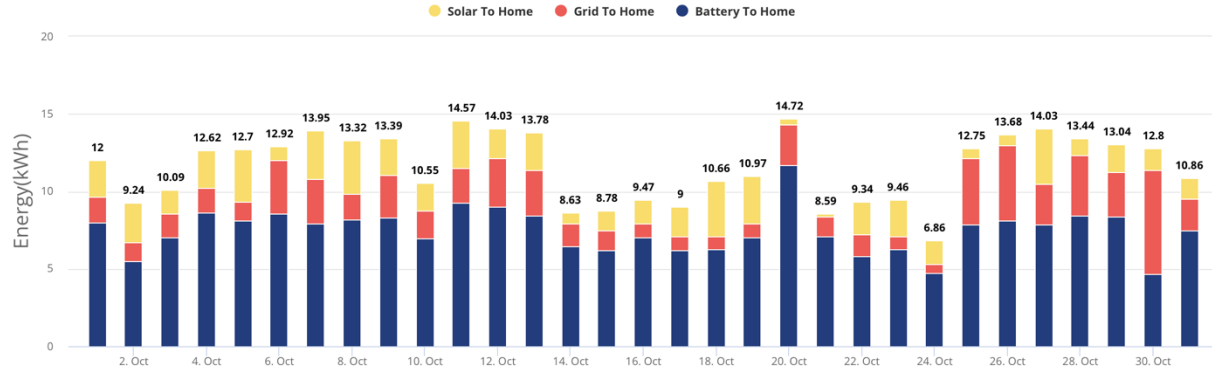
What does this look like in Brighton? October energy flows



Solar To Home
60.31
kWh

Grid To Home
68.6
kWh

Battery To Home
231.33
kWh



What does this look like in Brighton? October Imported energy



What does this look like in Brighton? A recent day

