

# SOLAR INSTALLATION

## THE CHANNEL





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**Solar 2024**



## UPDATE

The installation of solar panels on one roof of The Channel will commence on 24/6/2024 and will take around a week for the work to be completed.

Once the panels are installed we will immediately see the benefits, as our daytime consumption of electricity will reduce dramatically and over the remaining summer months should be zero.

As soon as the panels are in place we will register with our supplier to sell back any surplus electricity generated. Based on the forecast we should be earning income until October of this year which will reduce over the winter months but will still be offsetting a significant amount of our daytime electricity consumption.



# WHAT'S BEING INSTALLED?

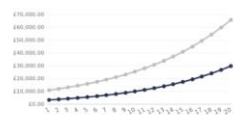
The installation will be a 28.5kW SOLAR SYSTEM utilising 57 solar panels.

Our historical electricity bills were used to help size our solar system. Based upon the system size suggested, the expected electricity bill savings over a 20-year period are provided below.

## ANNUAL ELECTRICITY BILL OVER TIME

Electricity bill without solar

Electricity bill with solar



## MONTHLY ELECTRICITY BILL COMPARISON

Electricity bill without solar

Electricity bill with solar



## SYSTEM DETAILS

Your custom design

System size<sup>1</sup>  
28.5 kW<sub>dc</sub> (STC)

Estimated annual production (MCS)  
22,400 kWh

Solar panel  
57 × 500W LONGi Solar Hi-MO 5m - LRP5-66HH-500M  
2073 mm × 1133 mm · Monocrystalline · [Datasheet](#) · [Warranty](#)

Inverter  
1 × FoxESS H3-Pro 20.0 · 20000W  
Three phase · 98% max. efficiency · [Datasheet](#)

System efficiency<sup>2</sup>  
8.7%

## DAILY PRODUCTION PER MONTH

How much electricity will my system generate per day, on average?



## UTILITY COSTS

Average monthly bill

BEFORE SOLAR

£894.46

WITH SOLAR

£263.17

First year average

Annual bill

£10,733.55

£3,158.02

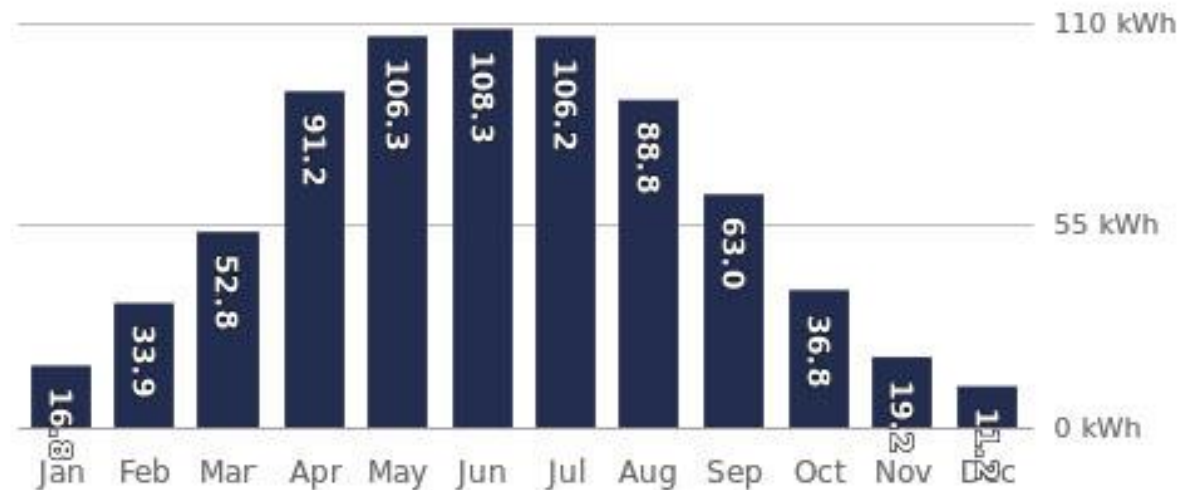
Estimated annual savings £7,575.53



# SOLAR OUTPUT

## DAILY PRODUCTION PER MONTH<sup>3</sup>

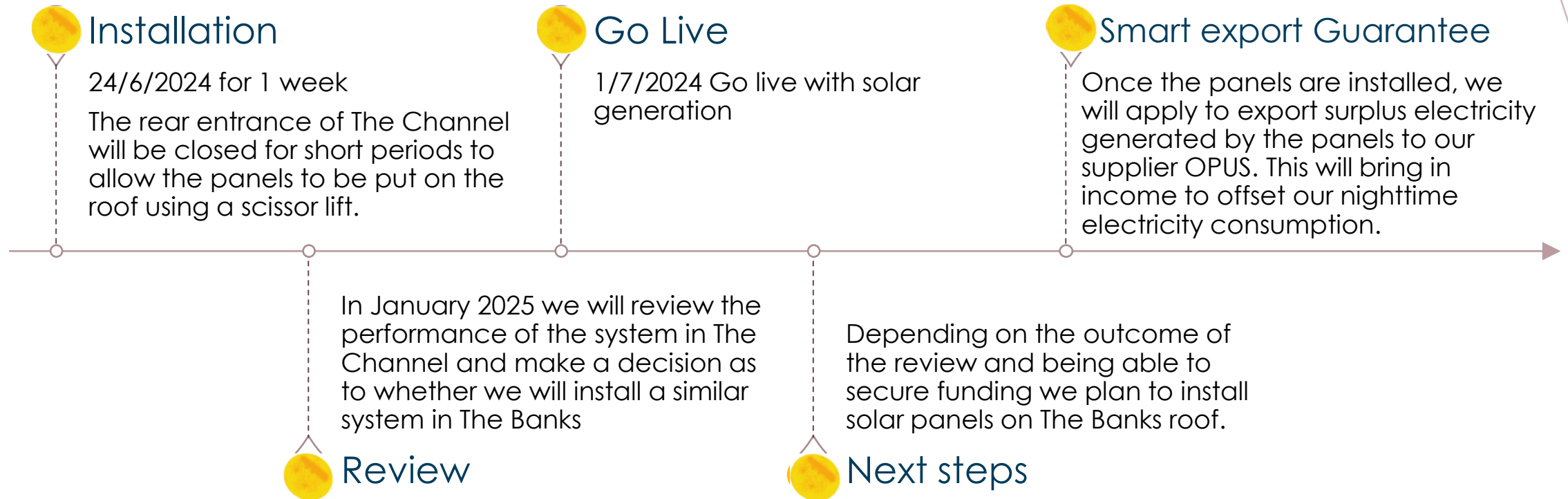
How much electricity will my system generate per day, on average?



<sup>3</sup> The MCS standard does not provide calculations for monthly production. This chart has been included to demonstrate the typical variation of solar production across a year. It shows the MCS-approved annual production scaled according to your location's typical monthly solar insolation.



# TIMELINE





# SUMMARY

We will provide updates on the SML website on the levels of energy produced as the data comes through.

We will report back in February after the January review of the performance of The Channel Solar System.

