

Clevedon & Kenn Community Renewable Energy Workshop

Contents

Introduction	3
Report summary	4-5
Why did we do the workshop?	6
What is the local area like?	7-8
Choosing renewables	9-10
Wind turbine suggestions	11-12
Solar farm suggestions	13-14
Impact of choices	15

Introduction

In October 2025, Low Carbon Gordano & North Somerset Council hosted a community energy workshop for local residents in Clevedon & Kenn. The workshop was led by the [Centre for Sustainable Energy](#), an independent national charity, as part of a project funded by the Energy Industry Voluntary Redress Scheme.

The session aimed to help local people understand the types, scale and potential locations of renewable energy technologies that could be supported in the Clevedon & Kenn area. Participants engaged in discussions about community energy options and explored what renewable solutions might work locally.

This report examines the renewable technologies suggested during the workshop - including wind turbines and solar panels - and estimates how much energy they could generate for local people.

Following the workshop, a survey and community engagement will gather wider public views on the proposals discussed.

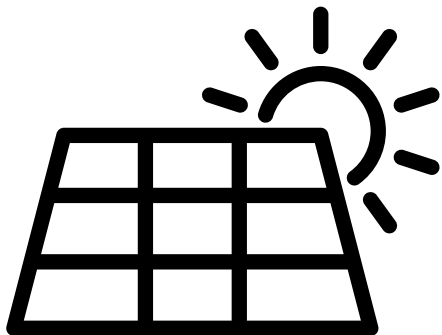
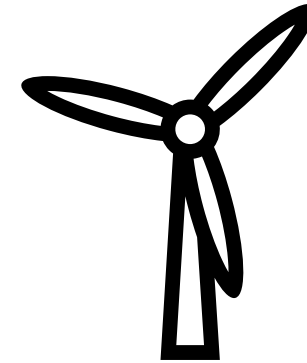
Report summary



This page shows the main suggestions made in the workshop by local people.

7 possible wind turbine locations

To reduce their appearance, people felt they were best located along the M5 or to the south of Clevedon & Kenn



11 possible solar farm locations

People thought large roofs should be prioritised and then look at land around the M5 and in the south of Clevedon & Kenn

Report summary



This page shows some of the thoughts local people shared in the workshop.

“

I think the idea of having something to power a school or factory is good, for me it's about energy security. In years to come we might need local energy”

”

“

We shouldn't exclude any options until we have more information. I may be one of the people who complains about it later on when I know more, but I'm not going to complain about it now

”

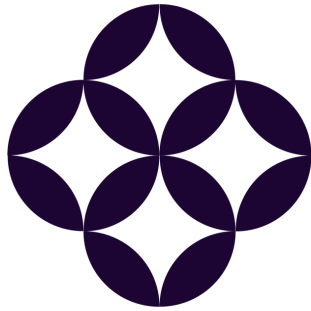
“

This is exactly the sort of information that people need to see in order to make an informed decision

”

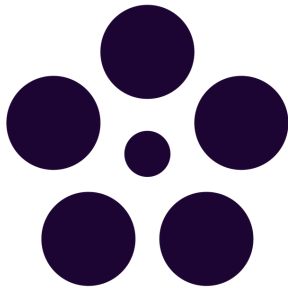


Why did we do the workshop?



Increasing renewables

The way we produce and use energy needs to change. It's the main cause of climate change. We need a lot more energy from renewable sources like wind and solar to meet the UK's climate targets. Nationally, we need to quadruple the amount of renewables that have already been built.



More affordable energy

At the same time, it's difficult for many people in the UK to keep their homes warm in winter, even though it's essential for their health and wellbeing. Being able to afford to **keep warm in winter is a basic right** for everyone.



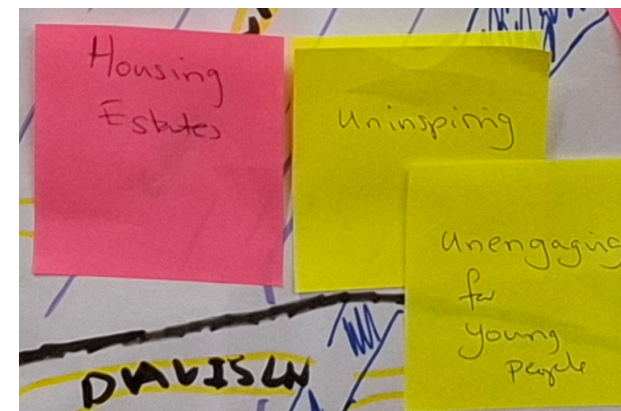
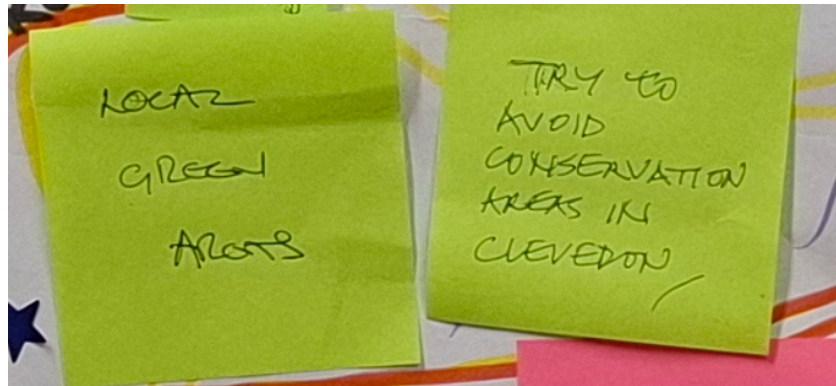
Community energy

Community-led energy projects keep benefits local – from cheaper energy bills to investment in local facilities. When communities lead energy projects, they create solutions that work for everyone – tackling both climate change and rising energy costs. In 2023, community energy projects contributed £12.9million to local economies and saved £4.4m in energy bills. They also reduced carbon emissions by 166 mega tonnes, the same as 209,570 passenger round trips from London to New York.



What is the local area like?

The workshop started with people sharing their thoughts about the local area. They added post it notes to a large hand-drawn map of Clevedon & Kenn.



What is the local area like?



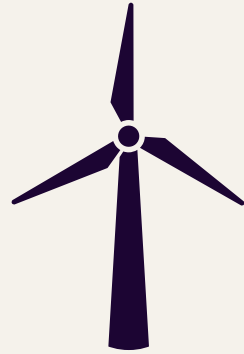
The main thoughts added to the map are shared in the table on this page.

Areas that are special	Areas that are disliked	Other descriptions and thoughts
Clevedon Pier is unique	Larger housing estates on the south east are uninspiring and unengaging for young people	Traditional flood plains in the east of Kenn
West Wood is a wonderful walking area with wildlife, trees and views	Some larger industrial estates that present good options for rooftop solar	Norton wood is a good escape for my mental health
Court Wood & Norton Wood - "The lungs of the town"	m5 - polluting	Town wide amazing foot paths and green spaces
Hill road has wonderful Victorian and Georgian buildings		
Some beautiful conservation areas in Clevedon		
Marine lake the surrounding green spaces		
Marshalls and Salthouse fields		
Ladye Bay		



Choosing renewables

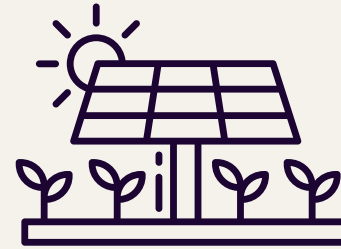
The main part of the workshop brought everyone to 'Sunshine Cafe' where a menu of renewable energy options was shared. This page shows the technology on the menu.



Medium Wind Turbine

Powers around 180 homes,
100 metres tall, 1 megawatt.

Maximum **7**



Solar Farm

Each powers around 350
homes (5 megawatt) per 13
acres, circa 7 football fields.

Maximum **18**

This menu is based on technical evidence showing what can be built in Clevedon & Kenn. The evidence looks at things like flooding, green belt land and wind speed - so these are already thought about before the maximum number possible is decided. 'Maximum' isn't a number to aim for though, it's a guide of what could technically be delivered, but people in the workshop chose the technology based on what they thought is acceptable for the area.

Choosing renewables

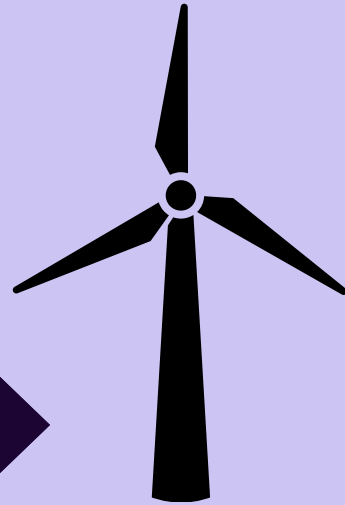




Wind turbine suggestions

People in the workshop suggested a total of...

7 turbine locations



Which could mean...

60,135 MWh generated



4,948 homes powered

£45 million total cost



Main workshop thoughts shared about wind turbines

Balancing ideal locations with wildlife and visual impacts is important

If there is existing infrastructure such as electricity pylons the visual impact on the landscape may appear less

Areas that are more sparsely populated may be better suited

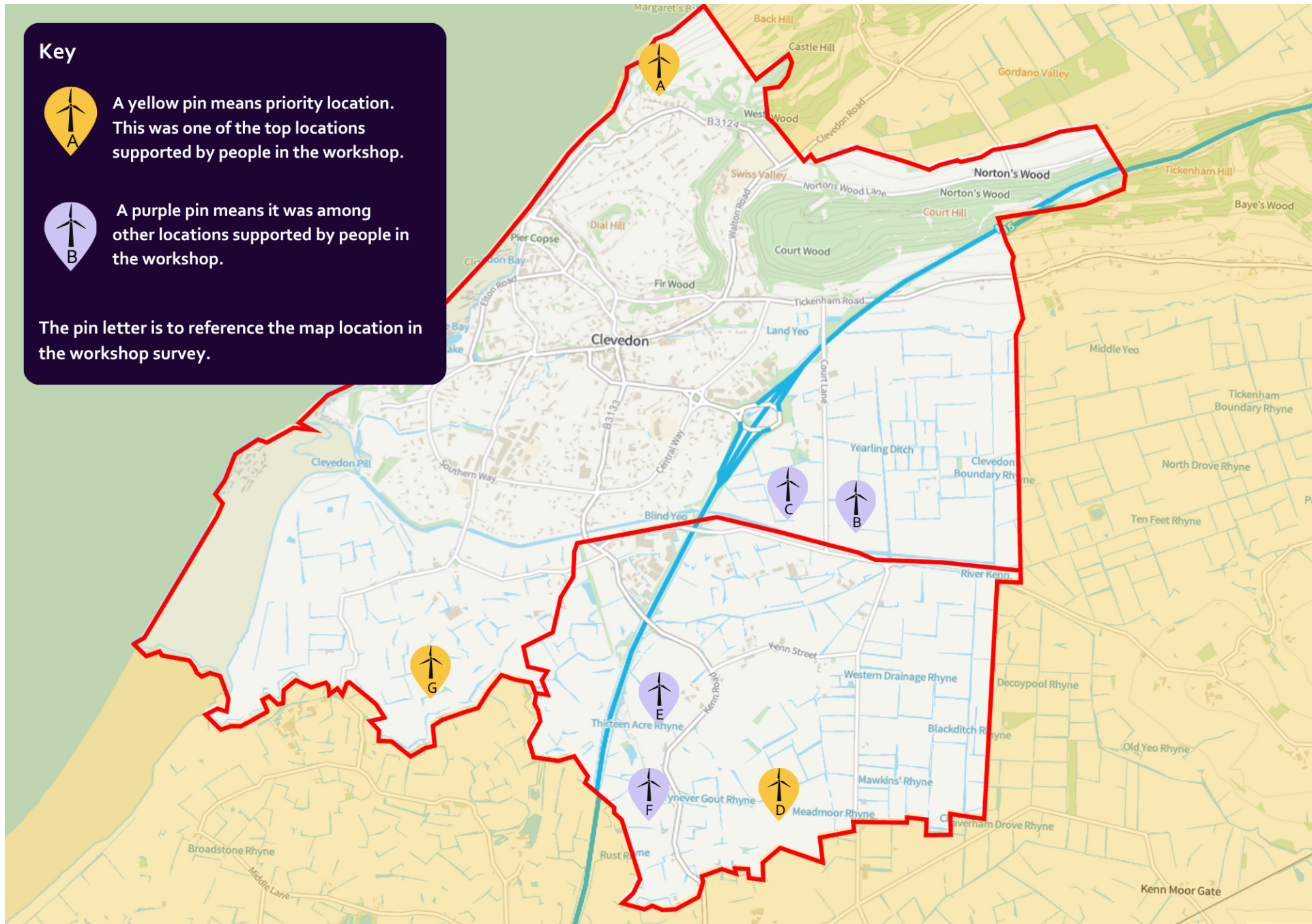
Greater visibility next to the motorway and may not be seen as an eyesore

Ensuring there's no impacts on local wildlife and trees

Aligning to locations that are less valued locally



Suggested locations - wind turbines

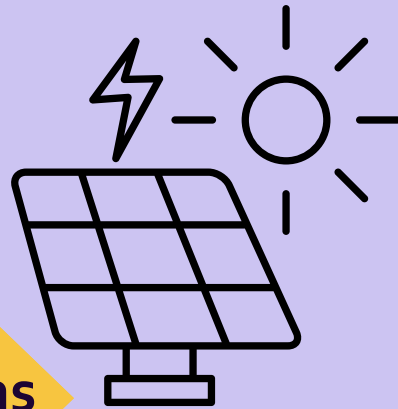




Solar Farm suggestions

People in the workshop suggested a total of...

11 solar farm locations



Which could mean...

45,802MWh generated



3,769 homes powered

**£24 million
total cost**



Main workshop thoughts shared about solar farms

Ensure that all solar opportunities on roofs are maximised

Could wind and solar be co-located

Areas with beautiful views shouldn't be comprised by installing solar farms

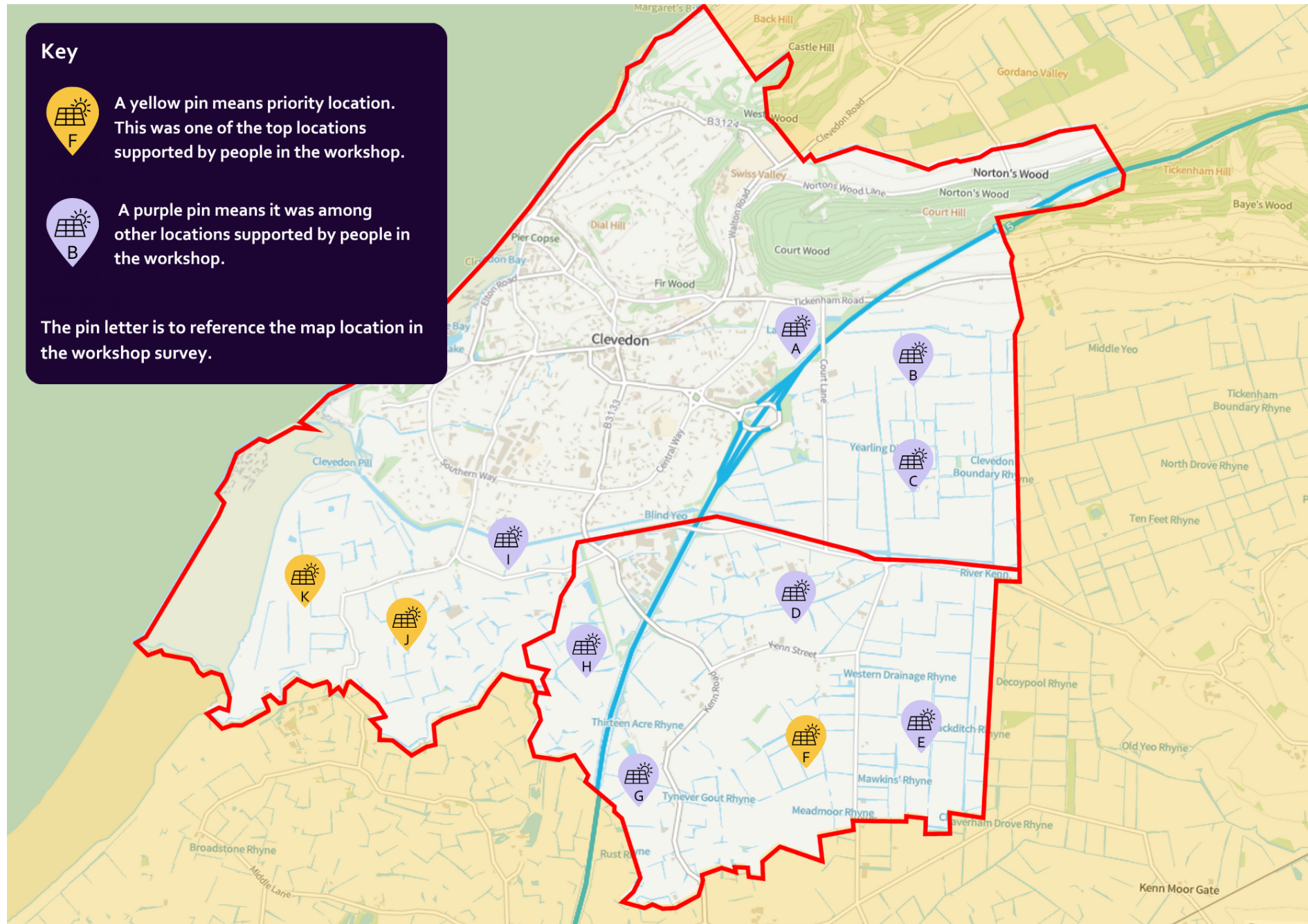
Flat, open agricultural land may benefit from the added shading by solar panels

Look at the dual purpose of agriculture and solar together

Areas that are flood plains will need to ensure appropriate measures are in place before installing solar



Suggested locations - solar farms

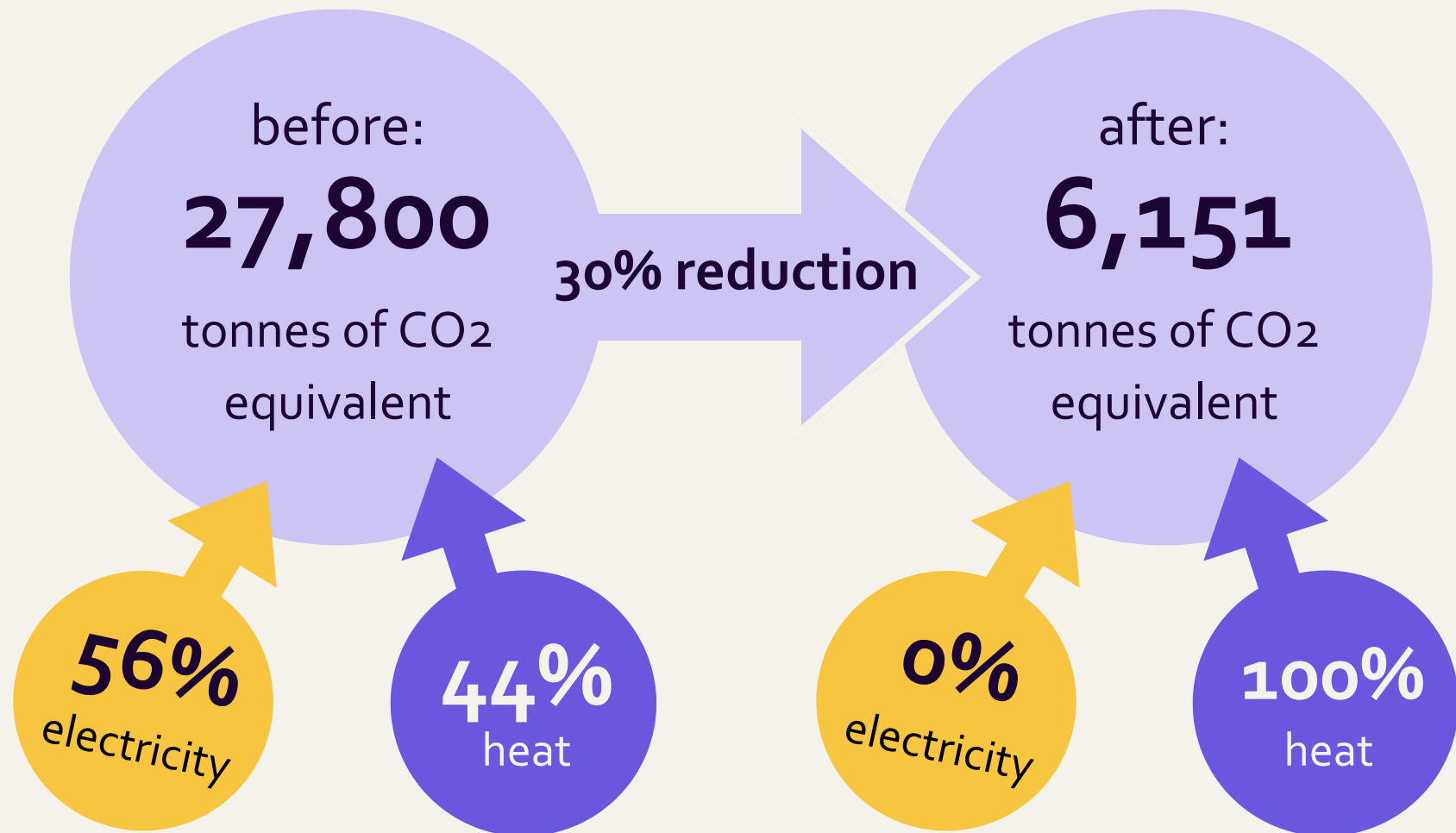


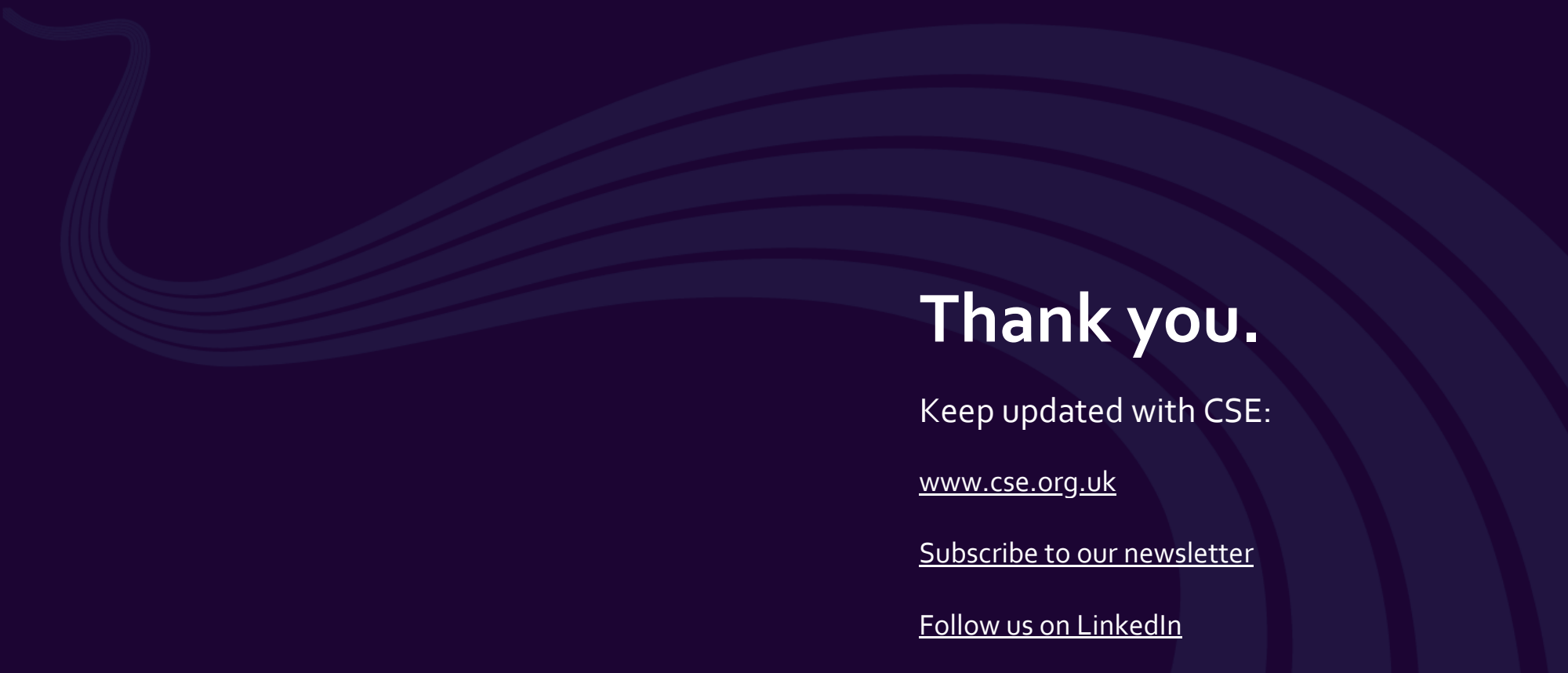
Impact of choices



This page shows the current carbon emissions in Clevedon & Kenn from electricity and heating use. It then shows how much those emissions would be reduced if the technology suggested in the workshop was built and installed.

The annual carbon emissions of Pill, Portbury & Portishead before and after the suggested technologies from the workshop



A series of dark blue, wavy lines that originate from the left side of the slide and curve towards the bottom right, creating a sense of movement and depth.

Thank you.

Keep updated with CSE:

www.cse.org.uk

[Subscribe to our newsletter](#)

[Follow us on LinkedIn](#)