

An aerial photograph of a large solar farm. The solar panels are arranged in long, parallel rows that recede into the distance. The panels are a deep blue color, and the ground between them is a vibrant green. The perspective is from a high angle, looking down at the rows.

# Future Energy Landscapes

Engaging with communities to identify opportunities and accelerate deployment of renewable energy projects.

Community Energy South West  
Conference 2025



FEL looks at opportunities to tackle both climate change and fuel poverty through the delivery of renewable energy projects, by working directly with local communities.

Better public engagement processes are vital if we are to roll out renewable energy at scale.



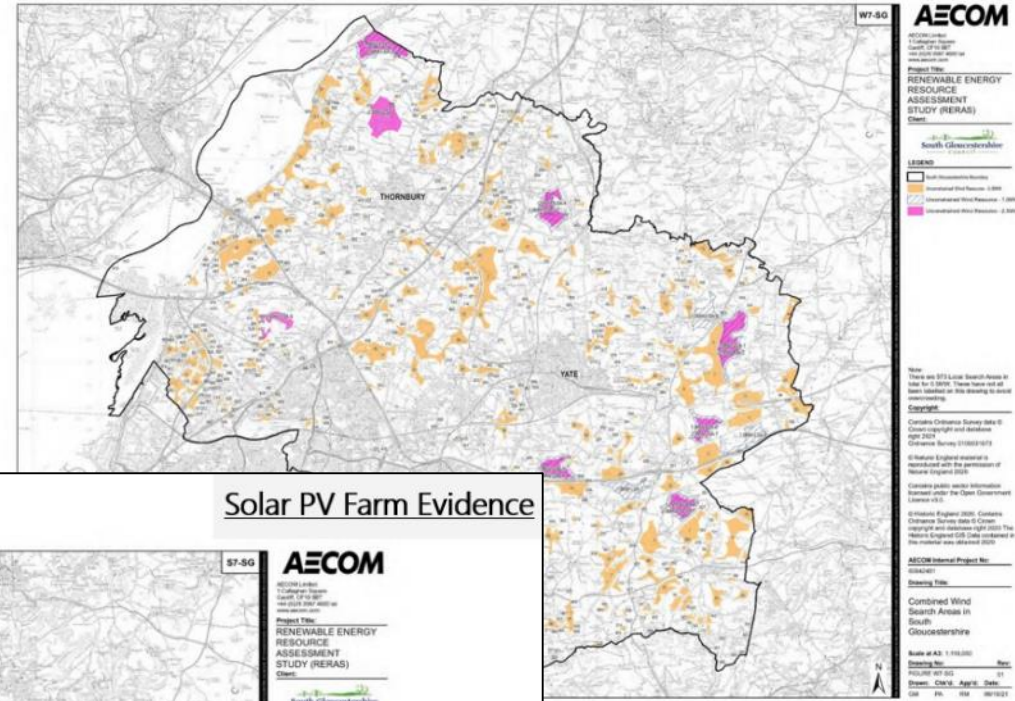
# Step 1

Analysis of technical potential for renewables using best available data.

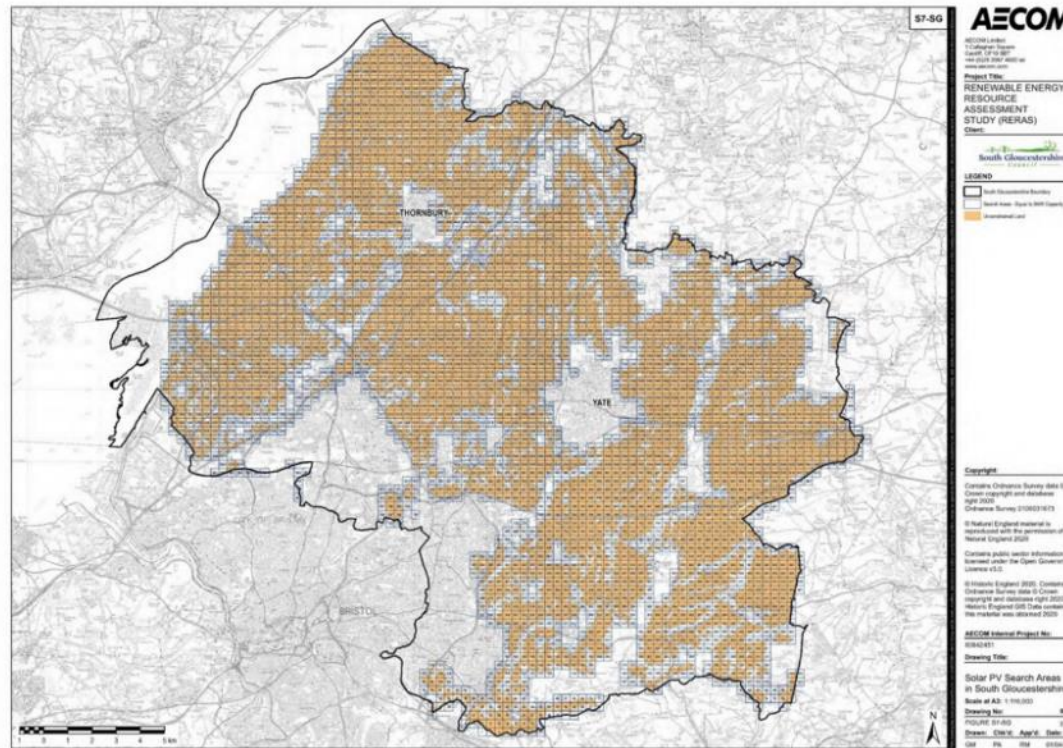
Will highlight good areas to hold FEL workshops.

Agree areas to hold workshops.

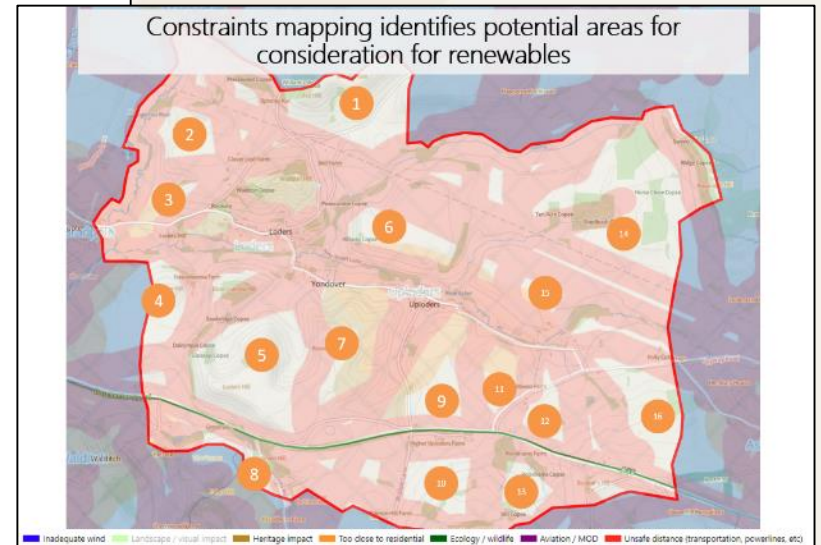
### W7-SG: Combined Wind Search Areas in South Gloucestershire



### 7-SG: Solar PV Search Areas in South Gloucestershire



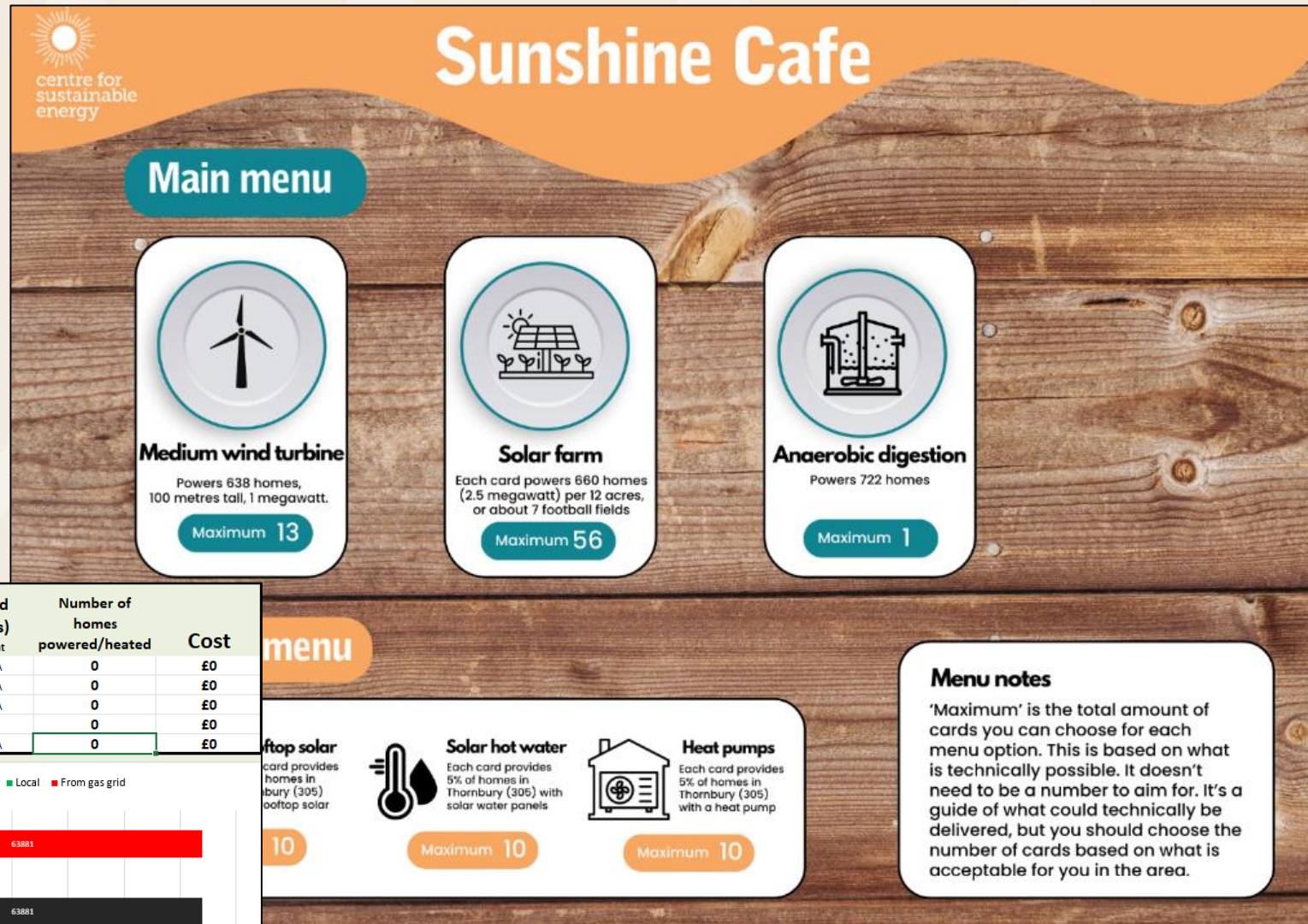
### Solar PV Farm Evidence



## Step 2

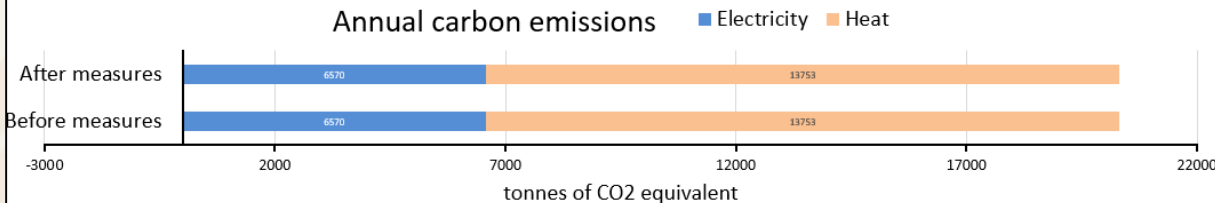
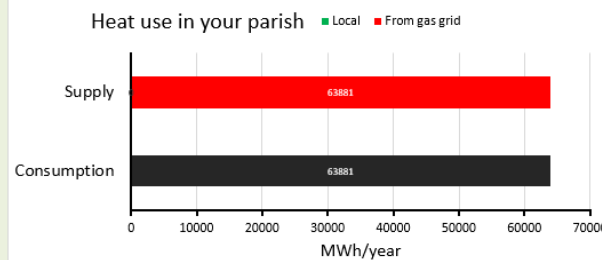
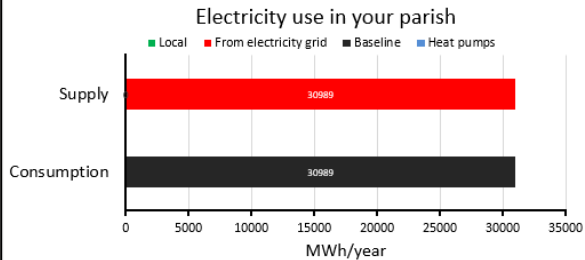
Create a baseline for the area (energy and heat demand, carbon emissions).

Create 'menu' of opportunities for renewables development in that area.

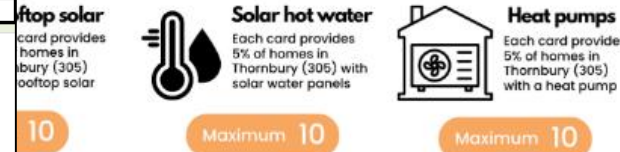


### Technology options

Technology options	How many?	Number of installations	Energy generated (megawatt hours)		Number of homes powered/heated	Cost
			Electricity	Heat		
Medium wind turbine (100 metres, 1MW)	0	0	0	N/A	0	£0
Solar farm (2.5 MW / 7 acres)	0	0	0	N/A	0	£0
Anaerobic digestion (500 kW / 250 acres)	0	0	0	N/A	0	£0
Air source heat pump - domestic	0	0	0%	0	0	£0
Solar panels - domestic	0	0	0%	N/A	0	£0



### Menu



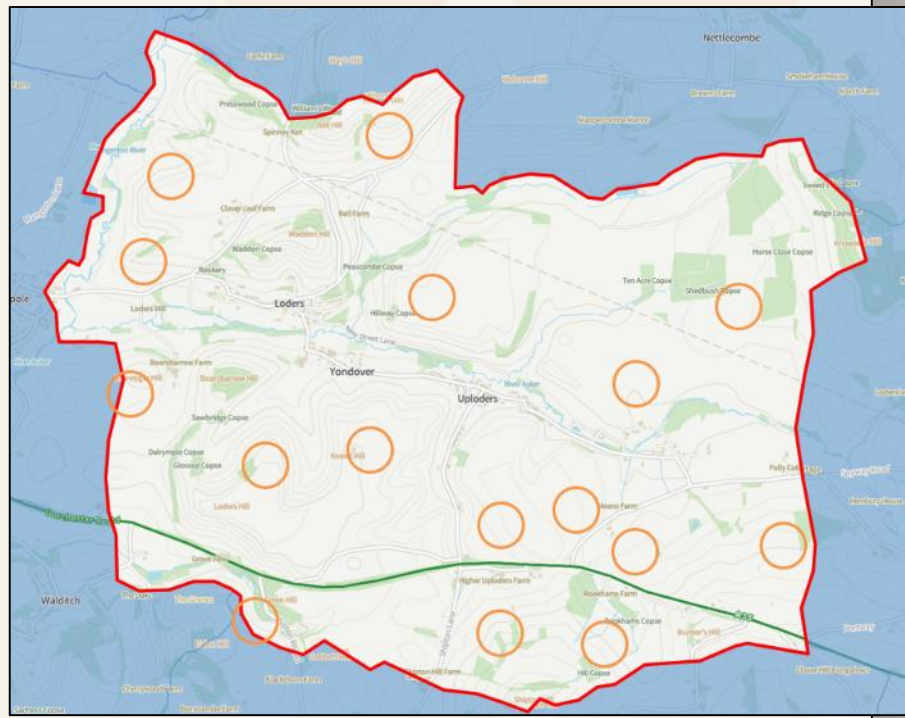
### Menu notes

'Maximum' is the total amount of cards you can choose for each menu option. This is based on what is technically possible. It doesn't need to be a number to aim for. It's a guide of what could technically be delivered, but you should choose the number of cards based on what is acceptable for you in the area.

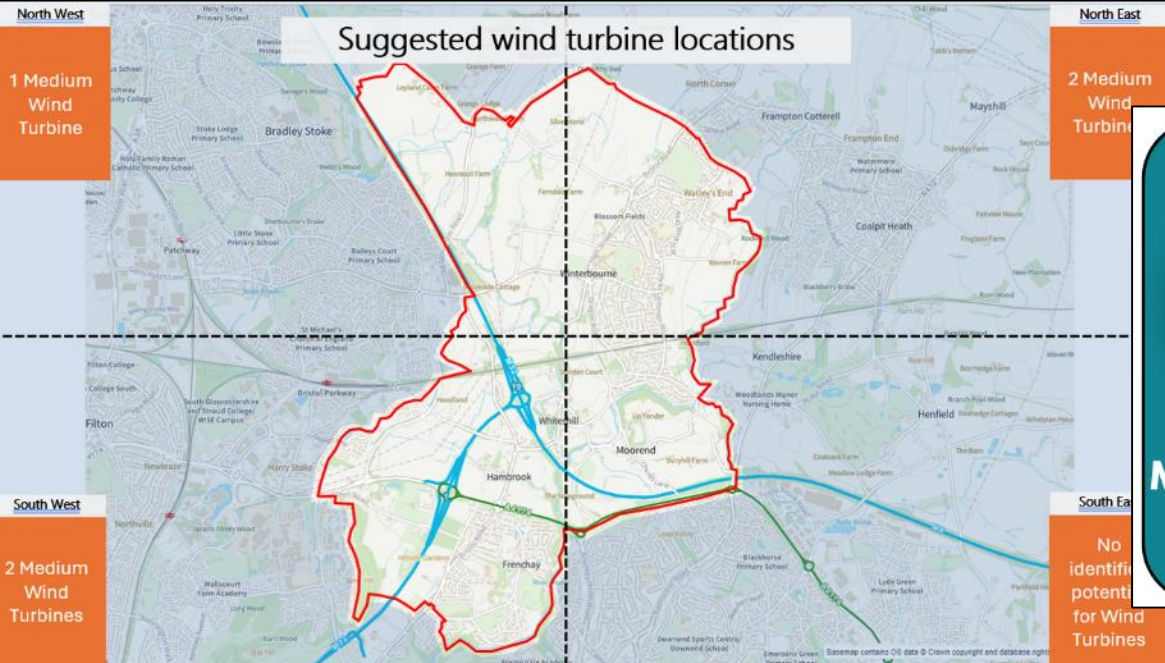
### Step 3

With the help of the local authority and community groups, organise workshop.

Prepare engaging materials for use in the workshop.



### Suggested wind turbine locations



**Medium wind turbine**  
Powers 638 homes  
100 metres tall  
(1 megawatt)

## Step 4

Hold workshop.

We explore how the local community values their area, how much of their energy needs could be met by renewables, and how they could benefit.







*85% of participating communities supported renewable energy projects that could meet or exceed their annual electricity needs.*

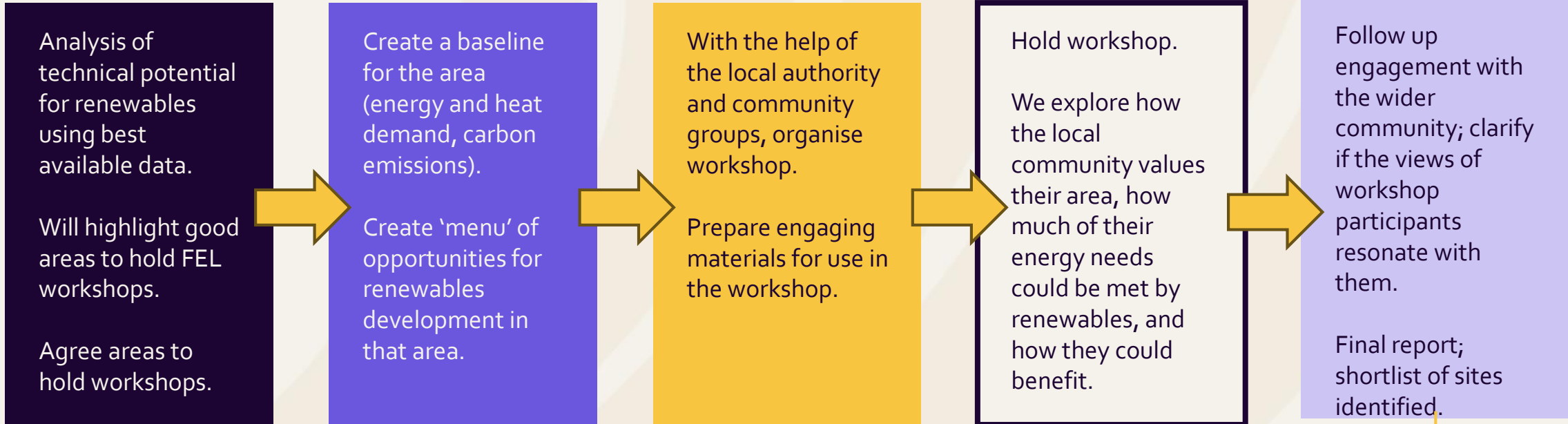
*62% expressed majority support for onshore wind.*



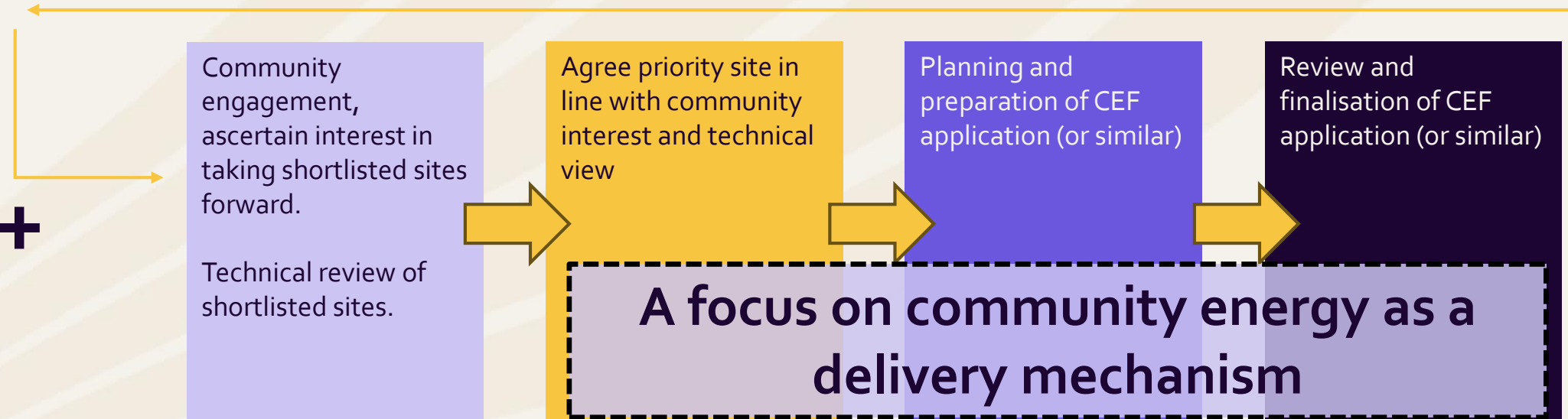


# Evolving FEL: 2025-26 Project

**FEL**



**FEL+**





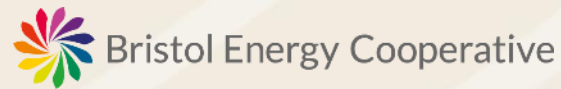
# Project partners

## Local Authority Partners



Wiltshire Council

## Community Partners



## Technical Partner

RenewEV

Neil Best  
Senior Planner for Net-Zero  
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# Centre for Sustainable Energy

We're a charity supporting people and organisations across the UK to tackle the climate emergency and end the suffering caused by cold homes.

[cse.org.uk](https://www.cse.org.uk)