

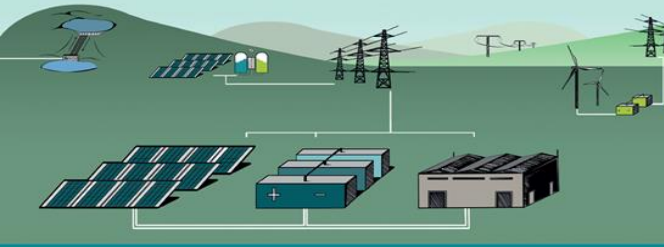


BWCE community owned wind webinar

Jodie Giles
28/1/21

Energy Storage: The Next Wave

Growth prospects and market outlook for energy storage



Local supply: Options for selling your energy locally

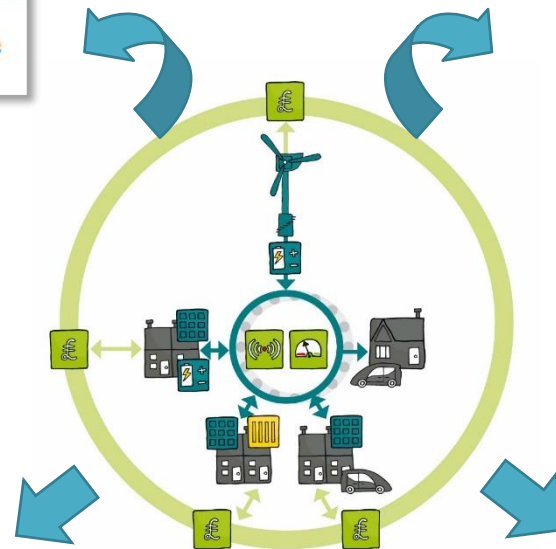
3rd Edition



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Electricity Network Innovation Guide For Communities 2018



Carbon Co-op



Local flexibility markets

What are they and how can community energy organisations get involved?

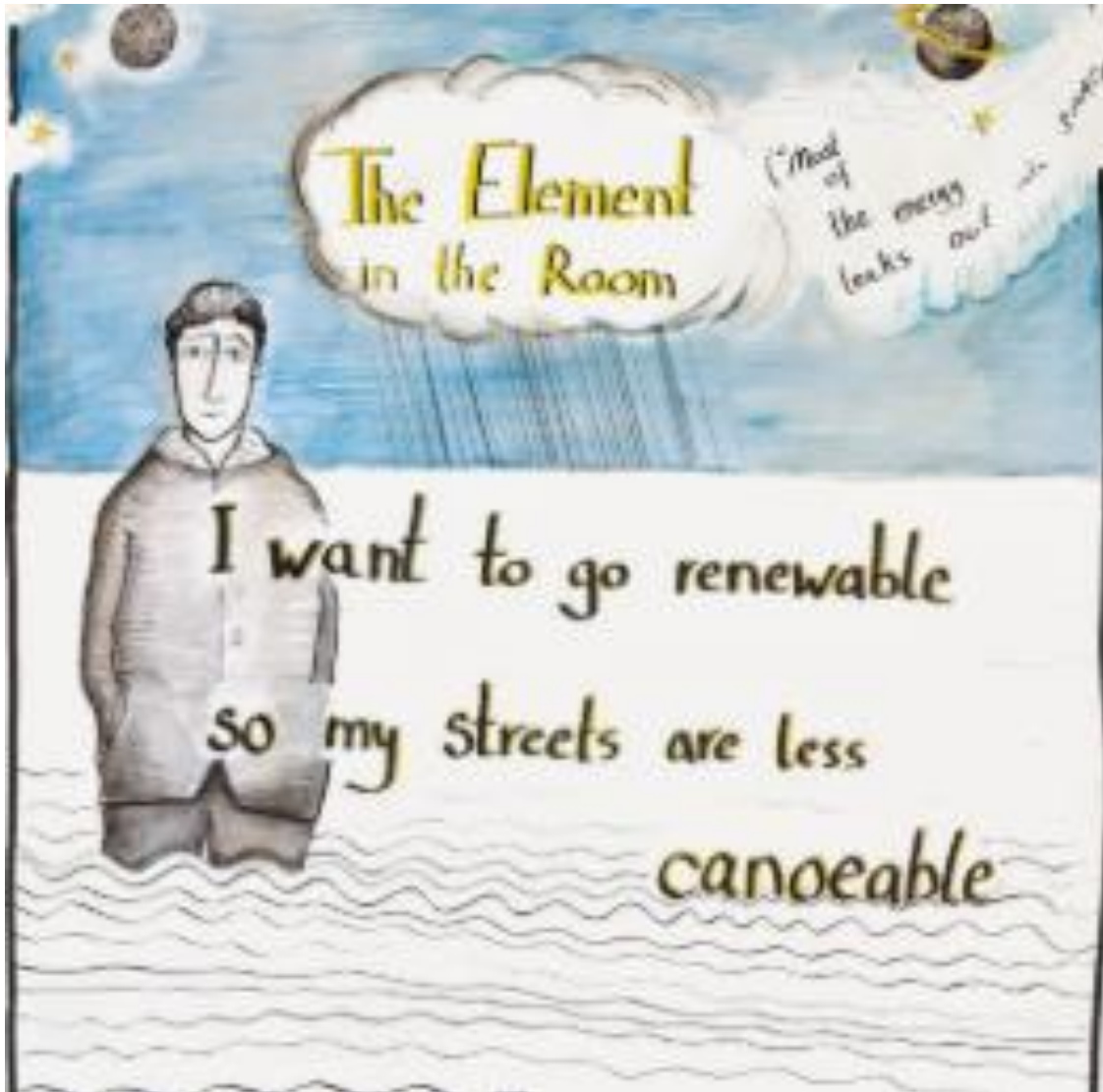


The Future of our electricity network

Consultation to engage communities in future DSO strategy



Why wind ...



The government's latest levelised cost (lifetime cost) of electricity generation figures:

- £46 MWh for onshore wind
- £85 MWh for gas and
- £95 MWh for nuclear

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/911817/electricity-generation-cost-report-2020.pdf

The British public are over five times more likely to strongly support than to strongly oppose large scale renewables developments in their area

73% of the population supporting on-shore wind

7% opposing it

(BEIS survey November 2020)

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/934647/BEIS_PAT_W35 - Key findings.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/934647/BEIS_PAT_W35_-_Key_findings.pdf)

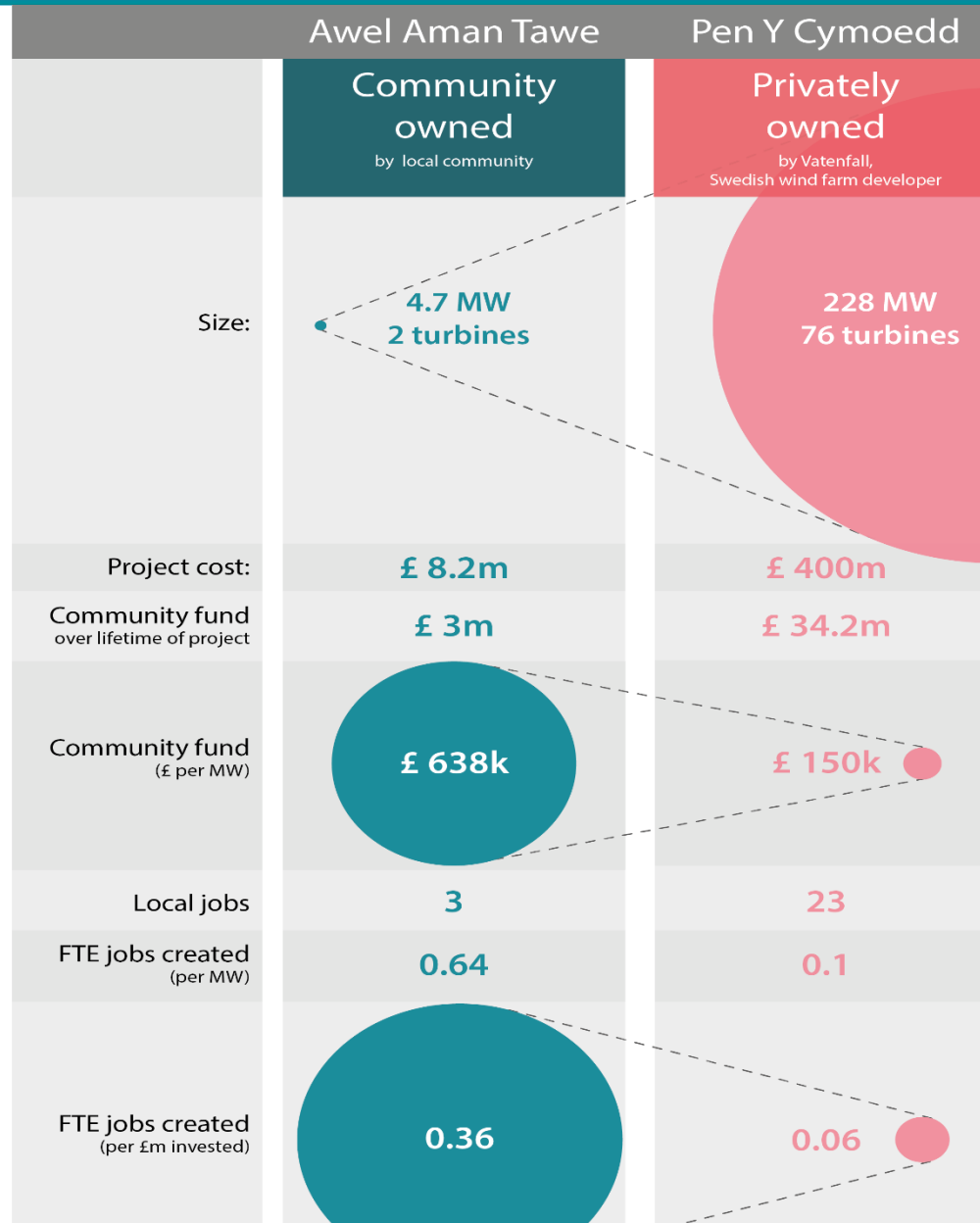


"Climate change poses the single greatest long-term threat to birds and other wildlife, and the RSPB recognises the essential role of renewable energy in addressing this problem... Wind power has a significant role to play in the UK's fight against climate change and we will work with Government and developers to ensure this outcome... We support local solutions which enable individuals and communities to generate their own power close to their homes and businesses. But we will also need large-scale deployment of renewables to meet our ambitious climate and renewables targets" RSPB

The National Grid (NG) has set a target for a zero carbon grid by 2025 and has been dealing with peaks and troughs in supply and demand for a long time. The number of renewables on the system has increased from 8% to up to 40% in the last few years, and NG are becoming better at predicting and managing variable electricity supply from different sources and different areas: if the wind isn't blowing or the sun isn't shining near you, it probably is elsewhere in the UK. Also, as we decarbonise our energy system, storage is becoming increasingly important.

<https://www.nationalgrideso.com/research-publications/etys-2020>

The benefits of wind



National
Planning
Policy
Framework

Local plans

Neighbourhood
plans

The stalled deployment of onshore wind in England in 2019

Wind farms above 1 MW — Source: BEIS REPD

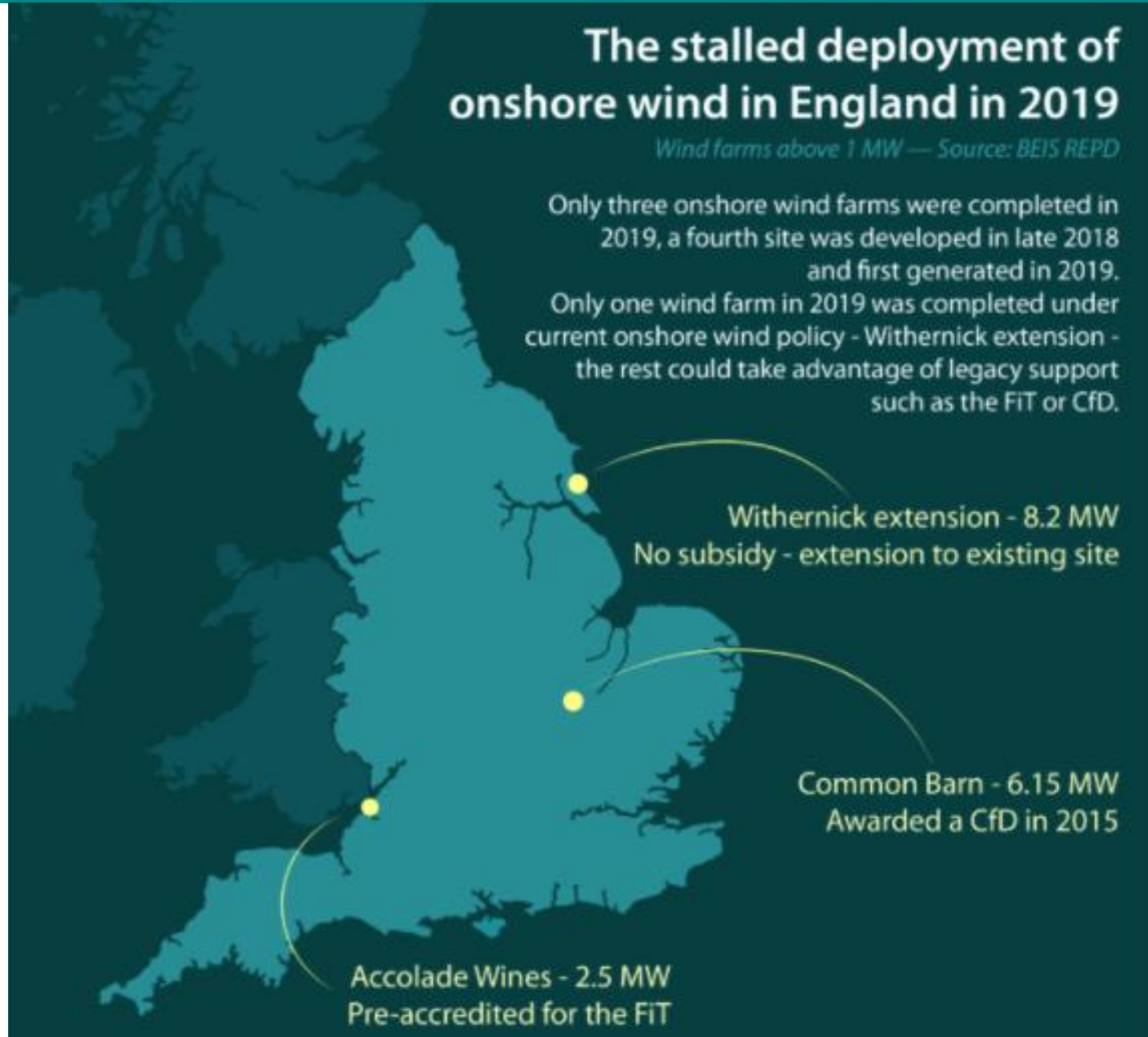
Only three onshore wind farms were completed in 2019, a fourth site was developed in late 2018 and first generated in 2019.

Only one wind farm in 2019 was completed under current onshore wind policy - Withernick extension - the rest could take advantage of legacy support such as the FIT or CfD.

Withernick extension - 8.2 MW
No subsidy - extension to existing site

Common Barn - 6.15 MW
Awarded a CfD in 2015

Accolade Wines - 2.5 MW
Pre-accredited for the FIT



The planning system ...

Though one of the cheapest forms of electricity generation overall, onshore deployment has rapidly declined in England since 2016.

- Wind farms developed that year



2020 4.2MW Ambition Community Energy C.I.C Avonmouth turbine
“The public consultation showed a clear indication from local residents and businesses that they support this application for a community led onshore wind renewable energy scheme.”

2019 appeal by Genatec Ltd for a 40m turbine against the decision of North Norfolk District Council in 2015 Appeal Ref:
APP/Y2620/W/15/3134132

2019 appeal by Selbrigg Generation Ltd against the decision of North Norfolk District Council in 2015 Appeal Ref: APP/Y2620/W/16/3143028
Overturned on climate emergency grounds

Regen neighbourhood
planning resources

- [Energy in neighbourhood planning – introduction and model policies \(2016\)](#)
- [Energy in neighbourhood planning – model policies with context](#)

Lawrence Weston – no
objections

South Brent – no objections



Thanks for listening



www.regen.co.uk

