

What do we need to do to build onshore wind?



James Robottom
Head of Onshore Wind, Renewable UK

BBC BREAKFAST

09:21





FRACKING
LOBBYIST!



UKOOG

United Kingdom
Onshore Oil and Gas



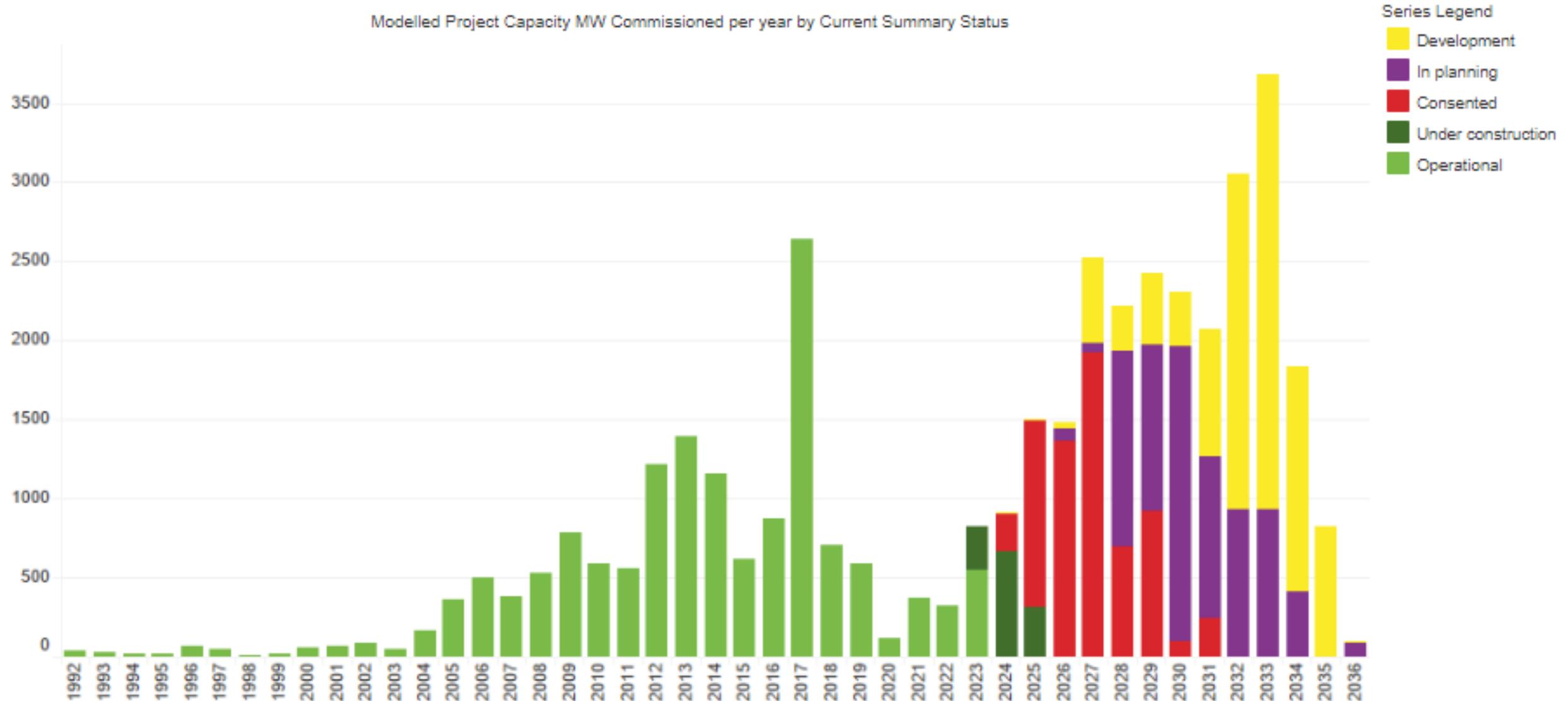
Why onshore wind?



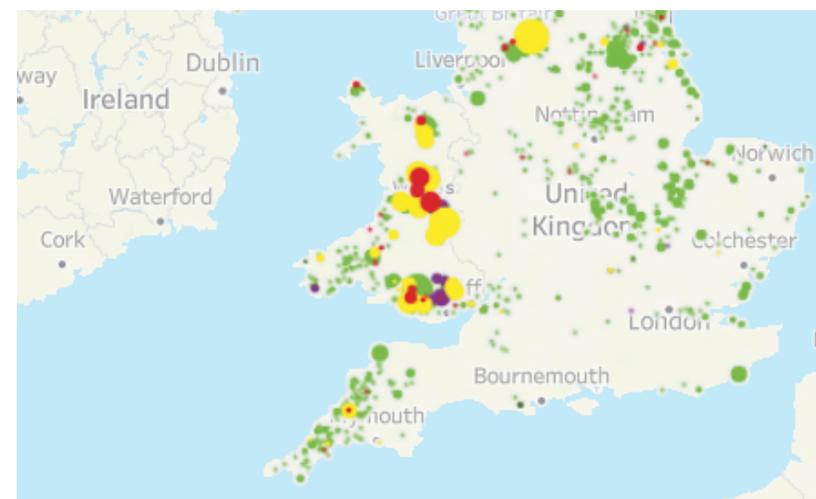
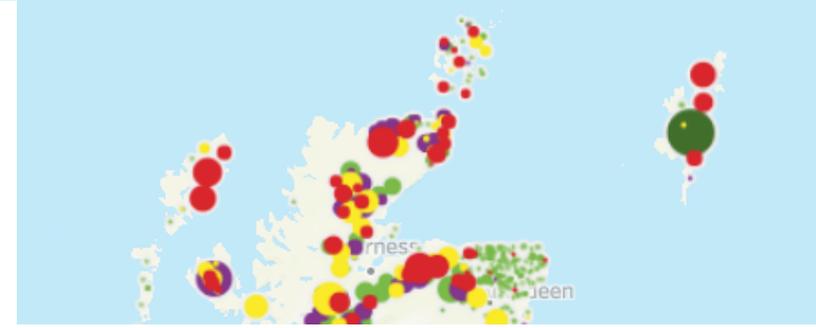
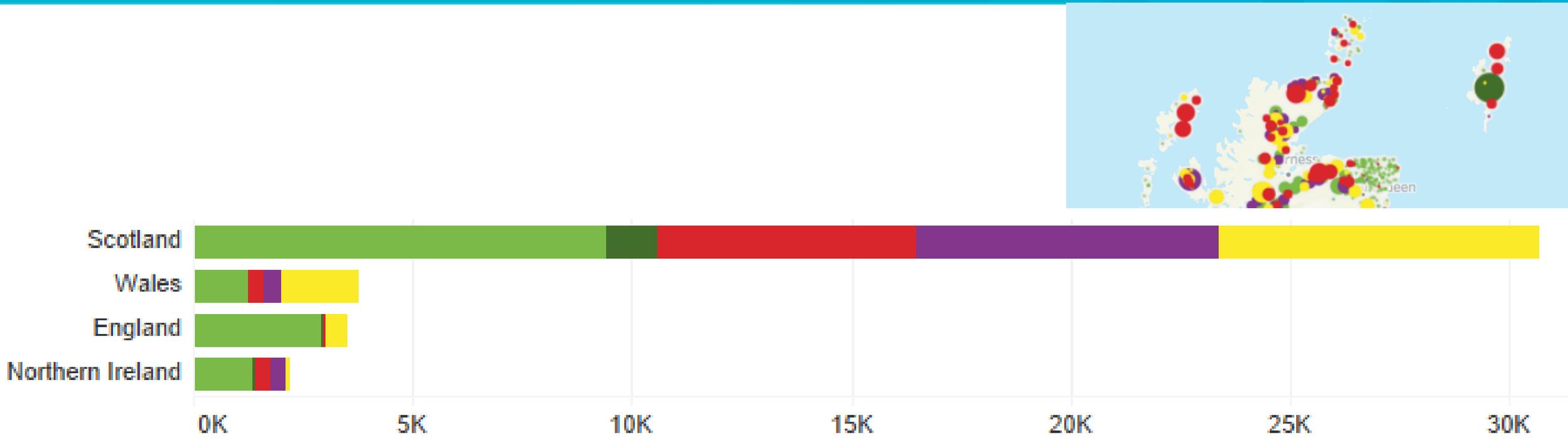


Onshore Wind Landscape across the UK

Modelled Project Capacity MW Commissioned per year by Current Summary Status



Onshore Wind Landscape across the UK



So, what do we need to
build more onshore wind?

The ability to actually build them.....

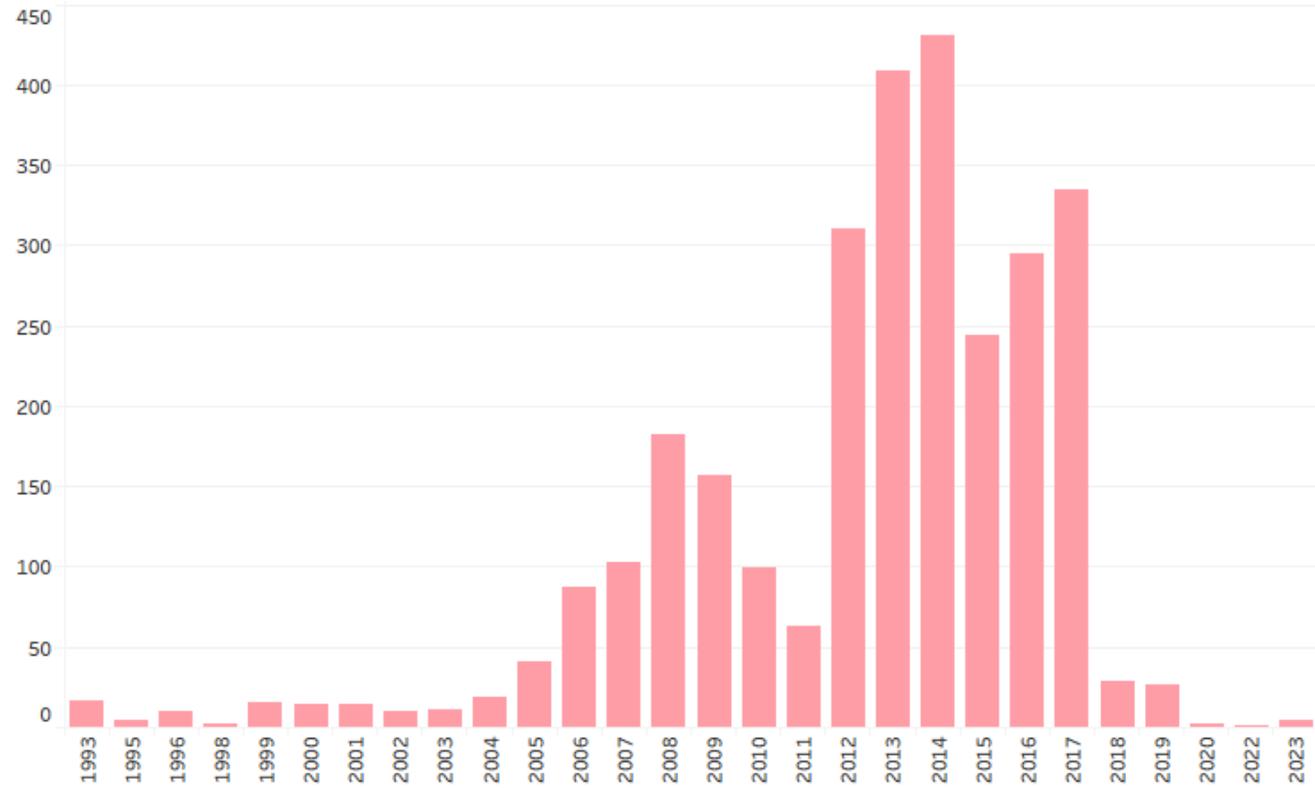
David Cameron says people are 'fed up' with onshore wind farms

© 16 December 2014



People are "fed up" with onshore wind farms being built, and "enough is enough", David Cameron has said.

Modelled Project Capacity MW Commissioned per year by Current Summary Status



⁵⁴ Except for applications for the repowering of existing wind turbines, a proposed wind energy development involving one or more turbines should not be considered acceptable unless it is in an area identified as suitable for wind energy development in the development plan; and, following consultation, it can be demonstrated that the planning impacts identified by the affected local community have been fully addressed and the proposal has their backing.

53a Wind energy development involving one or more turbines can also be permitted through Local Development Orders, Neighbourhood Development Orders and Community Right to Build Orders. In the case of Local Development Orders, it should be demonstrated that the planning impacts identified by the

Planning for climate change

or a supplementary planning document; and, following consultation, it can be demonstrated that the planning impacts identified by the affected local community have been appropriately addressed and the proposal has community support.

An ambition to build



30GW BY 2030

Onshore Wind Policy Statement 2022



December 2022



20GW BY 2030



National Planning Framework 4



Planning for Net Zero



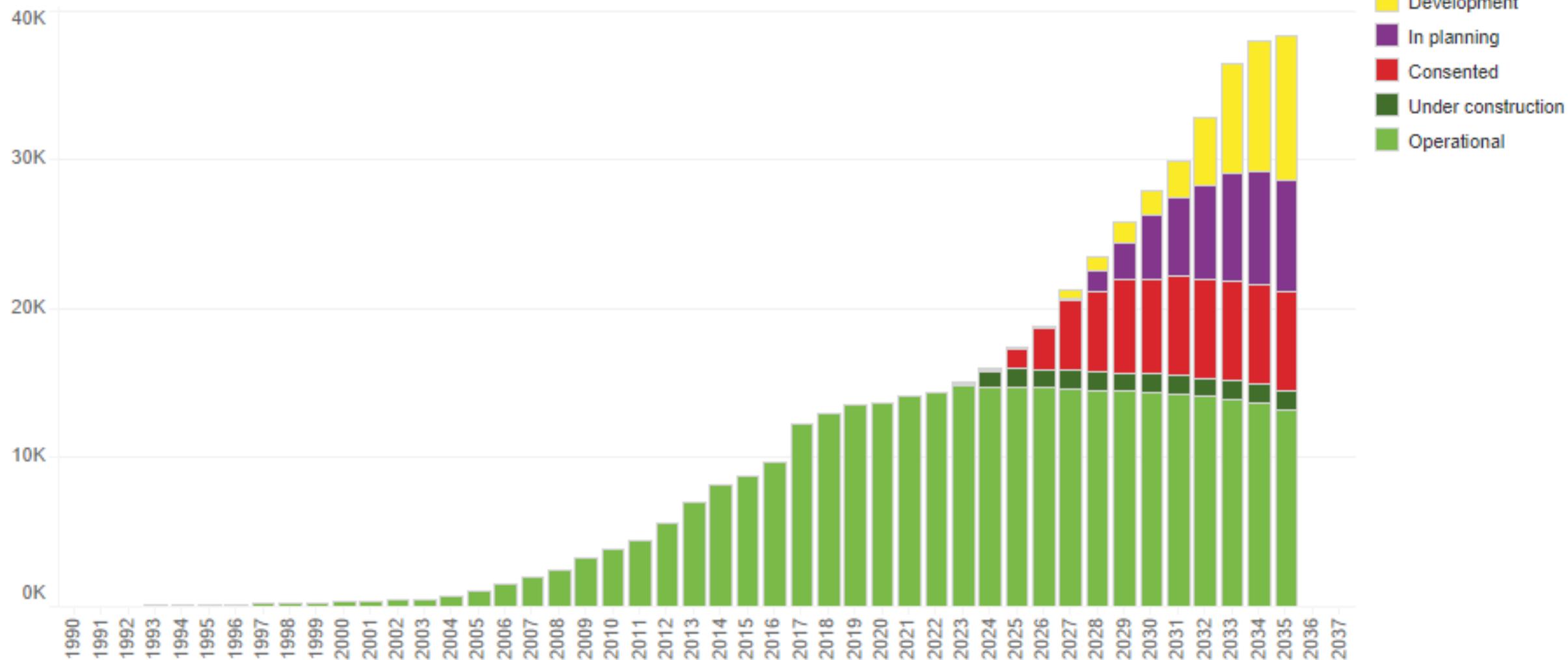
Onshore Wind Sector Deal for Scotland

September 2023



Industry/Govt. Collaboration

Cumulative Modelled Project Capacity MW Operational in each year by Current Summary Status



An attractive investment environment

UK renewable energy investment lagging behind rest of world, data shows

Figures reveal capacity has fallen to an average rise of 4.45% in past three years, compared with 9.67% globally

Basic CfD mechanism

- **Guaranteed price to renewable energy generator** determined through an auction
- **Market price**
Based on power market sell/bid dynamics

→ If market price is more than guaranteed price, *difference is paid by the generator*

→ If market price is less than guaranteed price, *difference is paid to the generator*

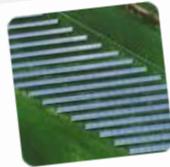


edie

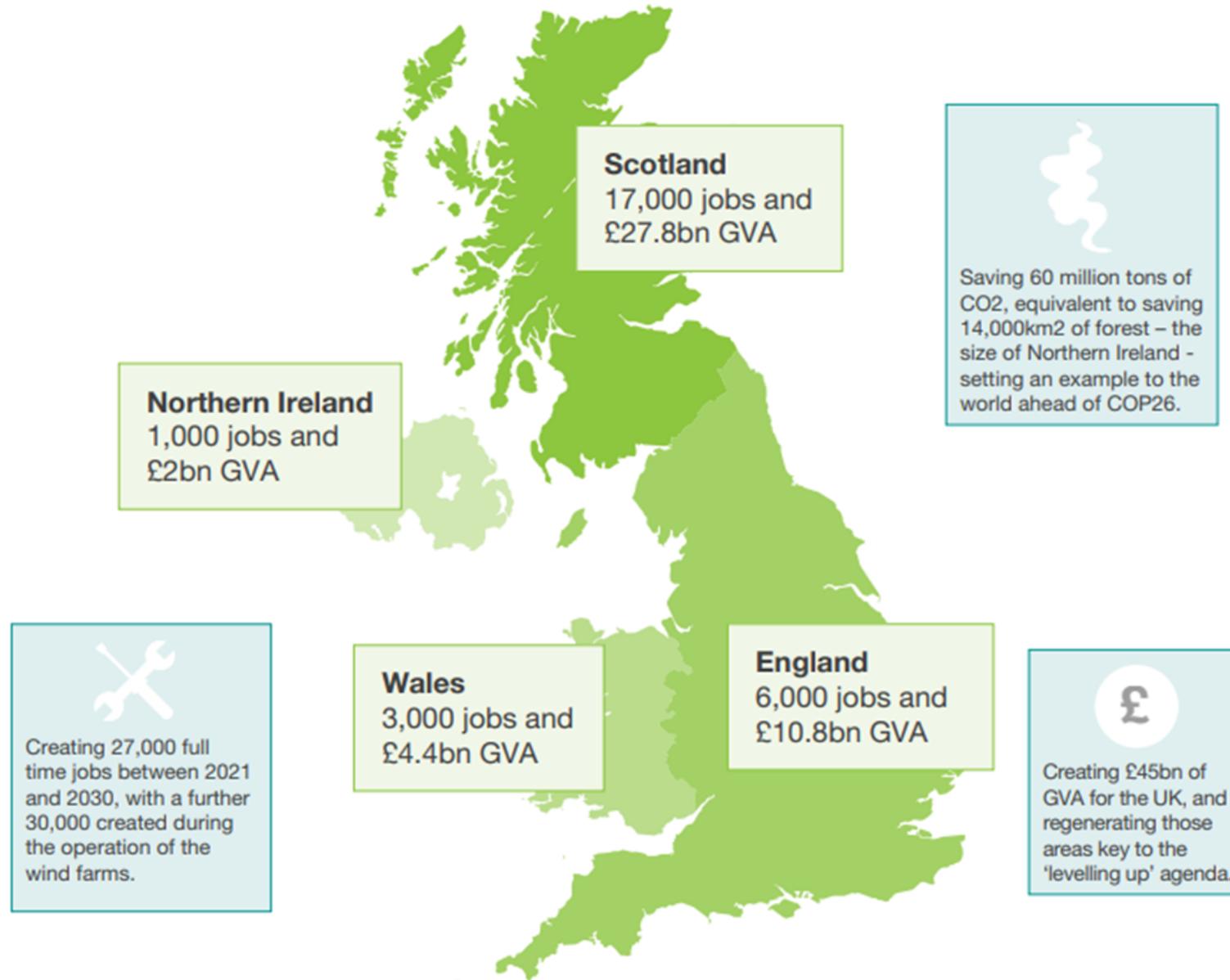
Vodafone signs solar PPA covering more than 40% of its UK energy requirements

Vodafone has this week signed its second corporate solar power purchase agreement (PPA) in the UK, which will see renewable electricity from...

23 Feb 2023



A supply chain

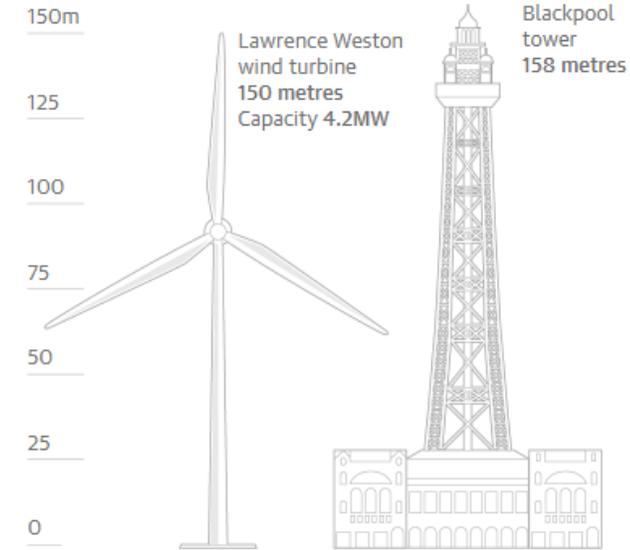


Actual turbines....

The wind-turbine industry should be booming. Why isn't it?
Stiff competition has combined with rising costs and other burdens

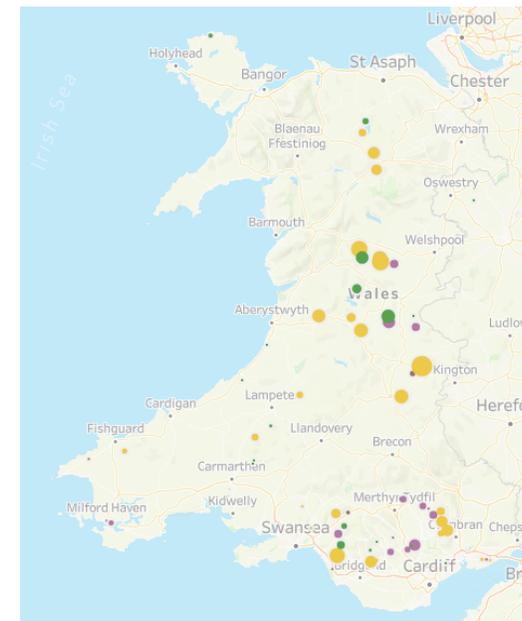


Bristol onshore wind turbine to be England's tallest, supplying power to 3,000 homes



Guardian graphic. Source: Bristol Energy Cooperative

Somewhere to connect it to....



- Supportive (and well resourced!) planning systems
- Ambition and political will
- Money and investment
- A thriving supply chain
- Turbines
- Grid

People!



Onshore wind more popular with Conservative voters than MPs realise, polls show

Two thirds of voters would 'think less of' any MP campaigning a

Q4. To what extent do you support or oppose energy generation from the following technologies?

Support or oppose energy generation from the following technologies?

Luke Clark
@luketdclark

A non-comprehensive list of things less popular than onshore wind:

- Boxing Day
- Fawlty Towers
- Winston Churchill
- soup
- the World Cup
- Shakespeare
- Spain
- Elvis
- Great British Bake Off
- Beyonce (has to be polling error)

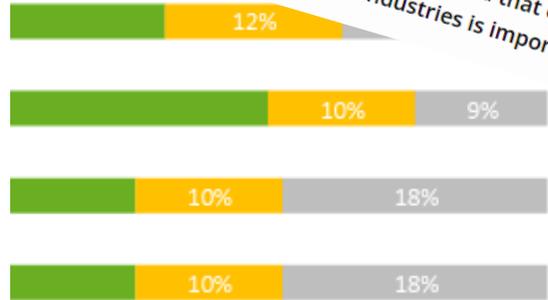
Data from @YouGov HT @jhmsanders @RenewableUKCEO

Support (Strongly support + Somewhat support) NET: Oppose (Somewhat oppose)

BASED ON... Weighted Total: Total=6114

Opinion poll finds four-fifths back green growth

A new poll conducted by Opinionum has found that over four-fifths of UK voters believe that expansion of green industries is important for the UK economy.



Onshore wind is more popular than pizza



Source: BEIS, YouGov polling

Polling in every constituency in Britain shows strong support for building wind farms to drive down consumer bills



How can we demonstrate local community support for onshore wind farms?

RESULTS FROM AN INDUSTRY - ACADEMIA ROUNDTABLE

THE TIDE OF PUBLIC OPINION HAS SHIFTED...

SUPPORT for ONSHORE WIND FARMS

NATIONAL POLLS
HIGH ENERGY BILLS

Wind farms should not be treated differently to other forms of infrastructure!

DEMONSTRATING LOCAL COMMUNITY SUPPORT IS DIFFICULT...

What do these terms really mean?!

COMMUNITIES LOCAL SUPPORT

PLANNING APPEALS REQUIREMENTS

DIFFERENT INTERPRETATIONS!

LACK OF CLARITY OF DECISION MAKERS AND DEVELOPERS

LOCAL SUPPORT CANNOT BE A NUMBERS GAME!

THERE IS NO EFFECTIVE, PRACTICAL WAY!

LOCAL REFERENDUMS CAN BE CHALLENGING

It takes so much time!

RELYING ON DIGITAL engagement PLATFORMS

SHOULDN'T BE A REQUIREMENT!

IT IS VERY COSTLY

BEST PRACTICE IN COMMUNITY ENGAGEMENT

There are many industry examples of best practice!

IT VARIES ACROSS SITES

BEIS PRODUCED GUIDANCE EXISTS FROM 2021...

GOV.UK

DEVELOPERS COULD FOLLOW THIS

BEST PRACTICE

CONSULTATION WORDING:

“LOCAL ENGAGEMENT”

USE THIS PHRASING!

PLANNING IMPACTS + ISSUES + STRONG COMMUNITY ENGAGEMENT

THIS SHOULD BE ENOUGH!

WE NEED:

POLICY CLARITY

To help us make decisions!

LOCAL AUTHORITIES

So we can start building again!

Community benefits



So, what do we need to build more onshore wind?

- Supportive (and well resourced!) planning systems
- Ambition and political will
- Money and investment
- A thriving supply chain
- Turbines
- Grid
- **COMMUNITY SUPPORT!**

And we mustn't forget...



