



**SCOTTISHPOWER
RENEWABLES**

A Better Future Quicker: The Race to Net Zero

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Better future, quicker

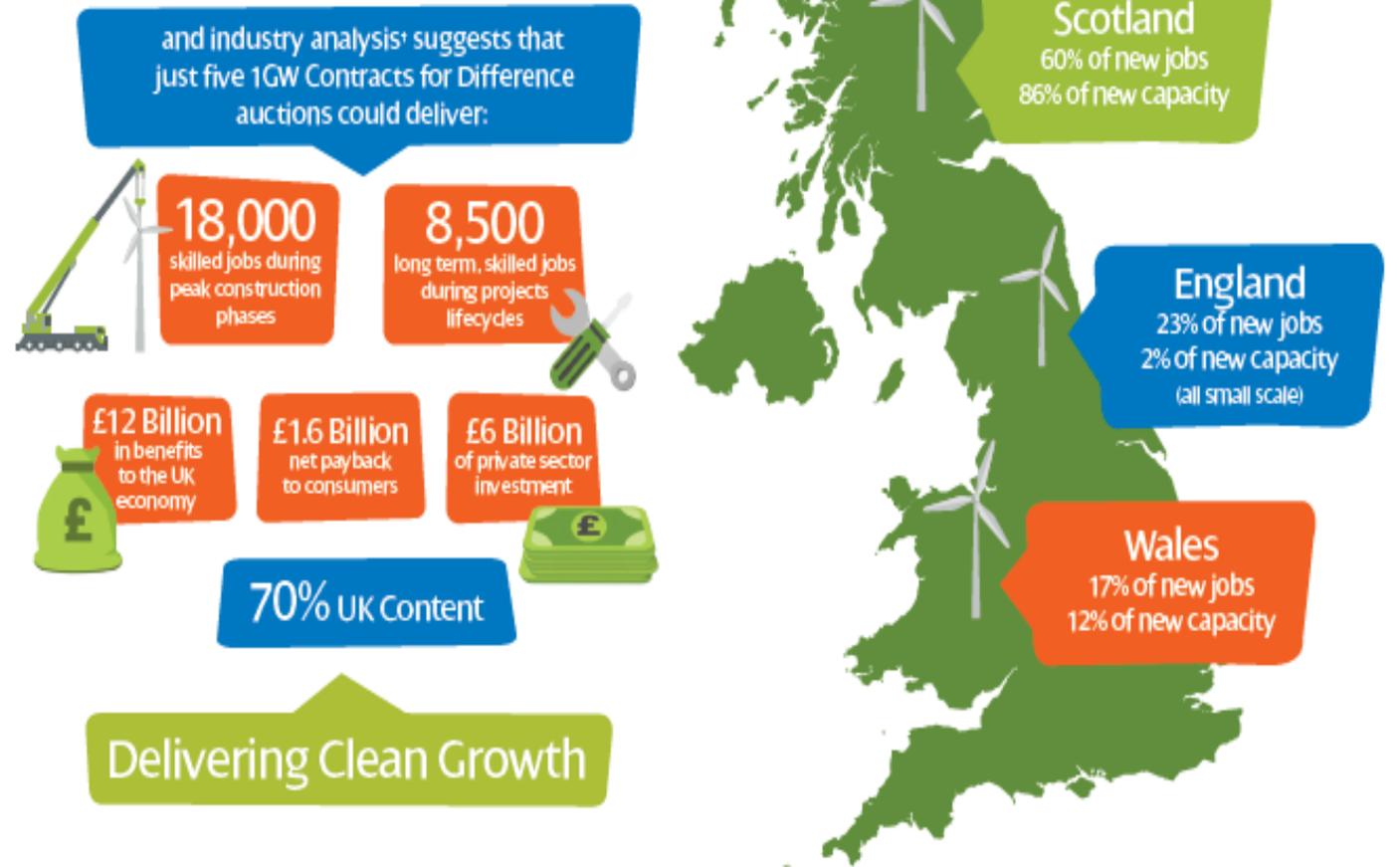


Onshore Wind – A Success Story, So Far...

- Support for renewables in the UK stands at over 80% with support as high as 70% amongst those who live within 5 miles of a windfarm.
- The wind sector employs thousands, has created a new supply chain and is bringing economic and social benefits to communities.
- New projects require no additional funding over and above the wholesale price of electricity.
- Onshore wind is needed to support an increase in electricity demand.
- Covid-19 has shown the sector is resilient and will play a key role in Scotland's green economic recovery.
- SPR has contributed over £38 million in community benefit across the UK.

The power of Onshore wind⁷

Onshore wind is the most cost-effective way of decarbonising the UK's energy supply: "



ScottishPower Renewables: Investing in a Net Zero Future

- The UK Government has committed to a target of Net Zero emissions by 2050 and Scotland has the more ambitious target of 2045. In meeting these aims a Climate Emergency has been declared by Government – acceleration of action is both urgent and necessary
- Decarbonisation is driving the mass electrification of energy, transport, heating and industry
- It is anticipated that electricity demand will see a requirement for 30GW of new onshore wind generation by 2030 delivered across the UK - a significant, resource appropriate share to be developed in Scotland of at least 12GW
- Onshore wind is revolutionising the electricity system, supporting new flexibility services, grid resilience and key policies like the roll out of electric vehicles

We are investing in green generation and infrastructure to decarbonise the power sector and accelerate progress towards Net Zero.



£3.7bn UK Renewable capacity investment between 2020 - 2025



Construction of over 2.1GW of onshore wind, solar PV, battery and hydrogen establishing innovative hybrid energy parks across UK



Developing plans for a 3.1 GW offshore East Anglia Hub



Further **5GW** onshore opportunity by 2030

A National Success Story: 10 Years of Whitelee

Our Whitelee Windfarm on the outskirts of Glasgow – the UK’s largest onshore windfarm at 539MW – demonstrates the kind of long term impact new projects can have.

Whitelee Windfarm represents a total lifetime investment of **£1.5 billion** by ScottishPower Renewables



46% Scottish companies
60% UK companies

Scottish and UK content - Almost half of expenditure (46%) has been spent with Scottish companies, 60% with UK companies



£1bn GVA in UK,
including **£790m**
Scottish value added

Whitelee supported over **4,000 FTE jobs** during the peak years of construction. About **600 FTE jobs** are supported every year through operating and maintaining Whitelee

over
4,000
FTE jobs



Earnings in Scotland of **£512 million** over the lifetime of Whitelee - on average this is **£26,000/ FTE**, with earnings of **£670m in UK**

£512m
in Scotland
£670m
in UK

Timeline for Development – the Road to Net Zero



- The Planning System is key to unlocking the economic potential of onshore wind, repowering and hybridised or co-located technologies
- The Climate Change Plan and National Planning Framework 4 Position Statement highlight the importance of the Planning System in delivering Scotland's 2030 and 2045 emission reduction targets
- Onshore wind is critical to achieving Net Zero – timely consenting process needed to reach 2030 deployment target (~ 12 GW onshore wind in Scotland) and to keep on track for Net Zero
- The reintroduction of onshore wind in the Contract for Difference (CfD), it is important for Scotland to maximise the opportunity for projects to deliver local economic development and build a green economy

The Role of the Planning system in Scotland's Green Recovery

Development and deployment of wind, hydrogen, solar and battery tech will create jobs, reduce emissions, meet rising electricity demand and power the UK's green recovery.

Embed the **Climate Emergency at the heart of the planning decision making** with “significant material weight” in planning determinations

Enshrine a **presumption in favour of repowering and life extension of existing projects** to prevent a loss of progress towards net zero targets

An urgent review of the consenting regimes to **ensure the system is responding to the climate emergency** and to ensure that **stakeholders have the appropriate resourcing** to engage effectively

Local Development Plans which support the **co-location of technologies** and seek to **maximise the efficiency of renewables opportunity**

First Minister in Scottish Programme for Government in September 2019

Planning policy will need to undergo a “**fundamental review**”, to “**more radically reduce emissions.**”

“the global climate emergency means that the time is right for wide ranging debate on more radical planning policy options.”



Given the global climate emergency and the immediate scale of electricity demand we must work together to support the positive engagement of planning and planning authorities in Scotland's journey to NetZero.