

# Does onshore wind have a public acceptance problem in Europe, and if so, how do we fix it?

Panel discussion



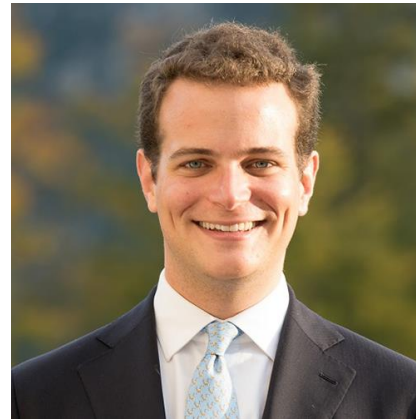
Breakout Speakers

# Does onshore wind have a public acceptance problem in Europe, and if so, how do we fix it?

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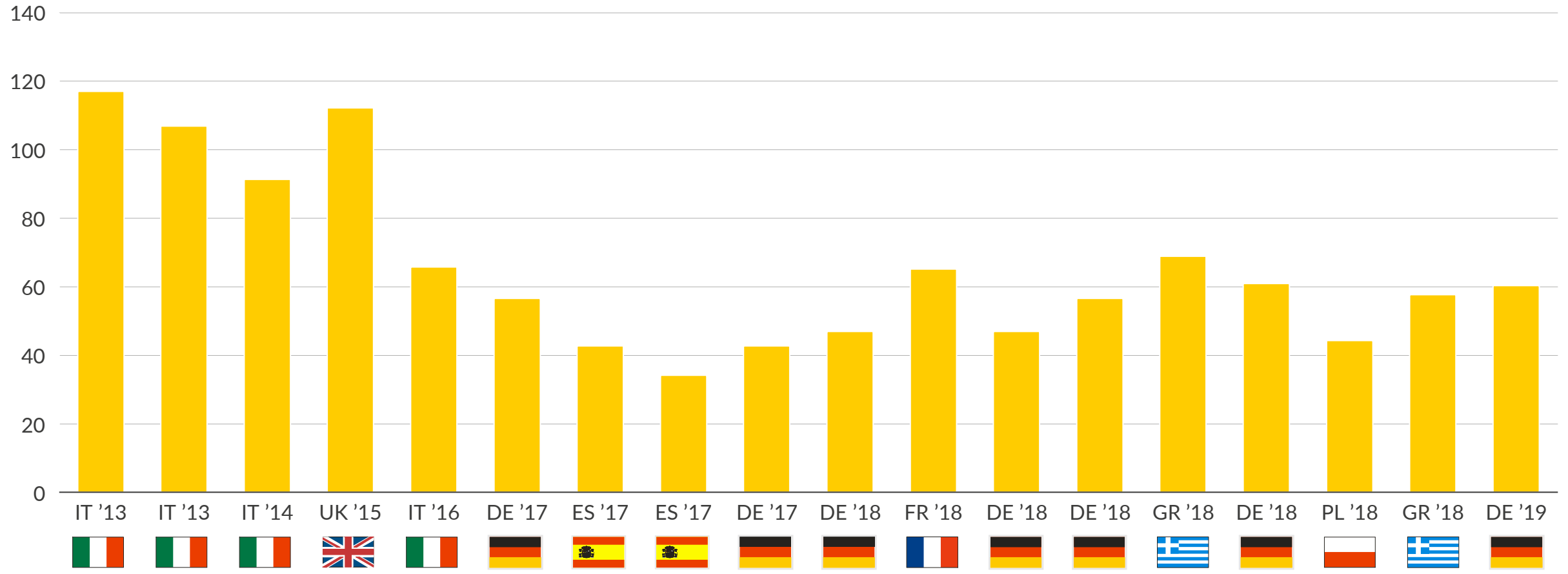
Partner  
Greencoat Capital

# Over the past decade, the cost of onshore wind has approximately halved ...

Average strike prices in auctions for onshore wind energy

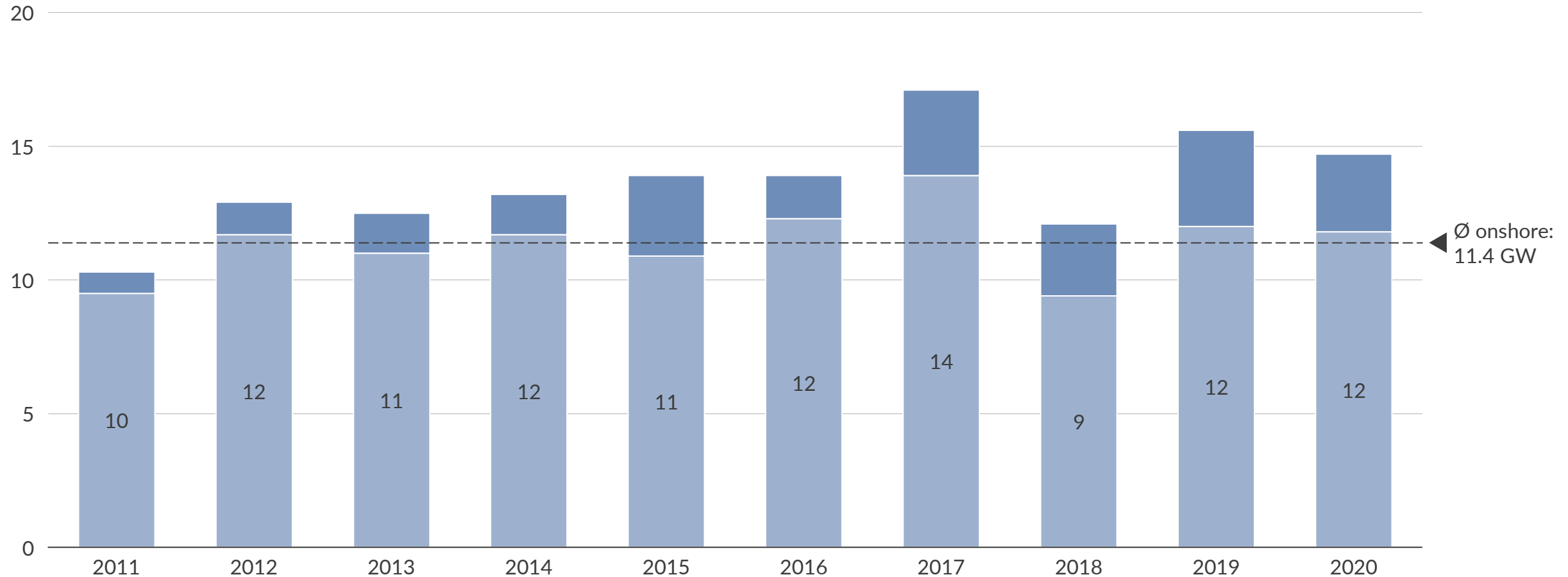
## Average onshore wind support auction strike prices

€/MWh



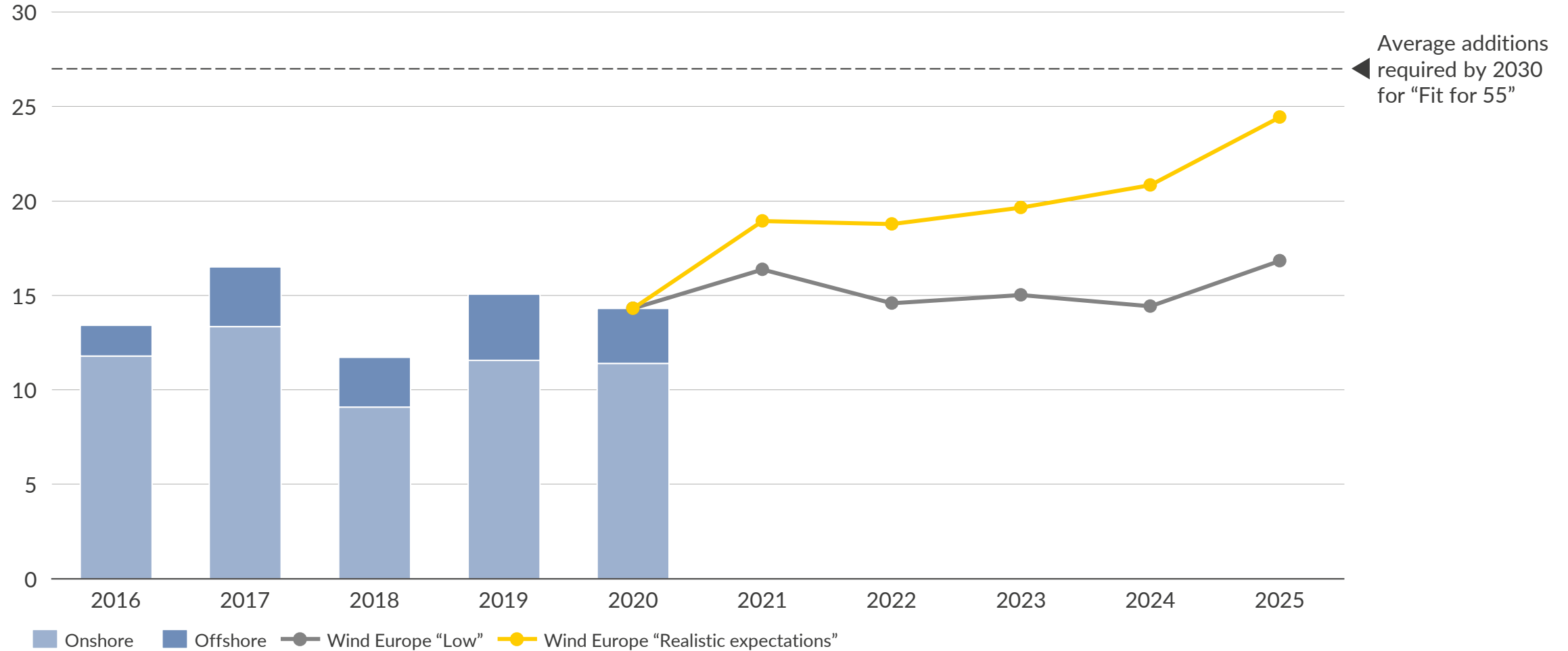
# Yet, buildout has stagnated in Europe

Wind capacity added by year  
GW



# Ambitions for the coming years are high compared to the past, may not be achieved, and could be insufficient even if they are

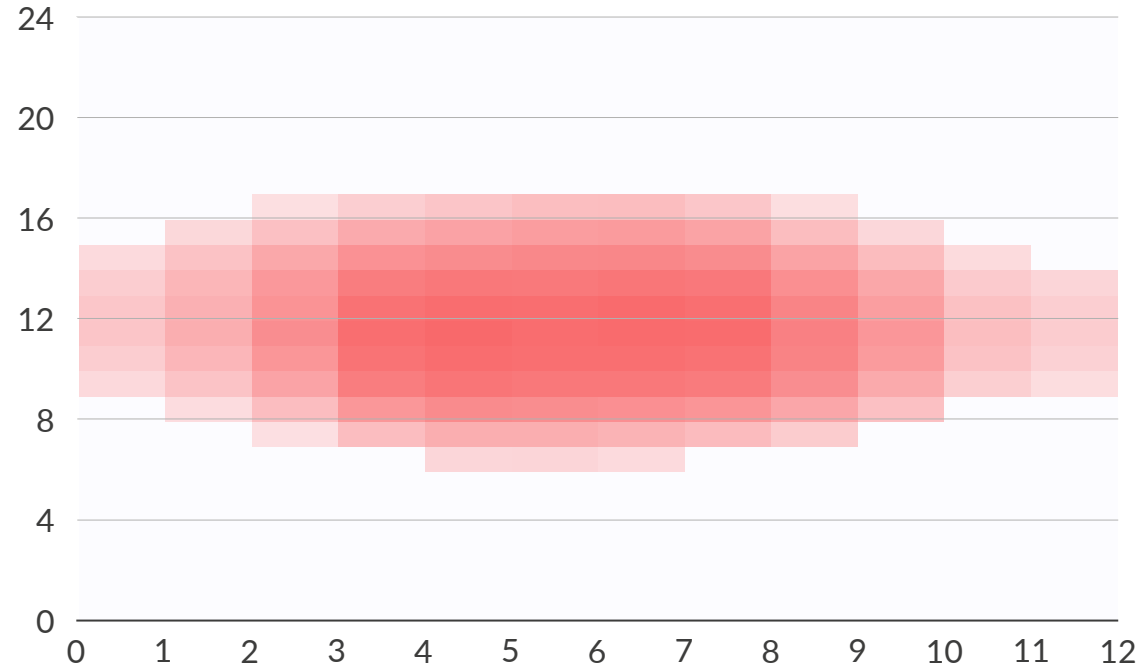
Wind capacity added by year  
GW



# Solar spread across seasons is too large to provide sufficient energy without long-term storage

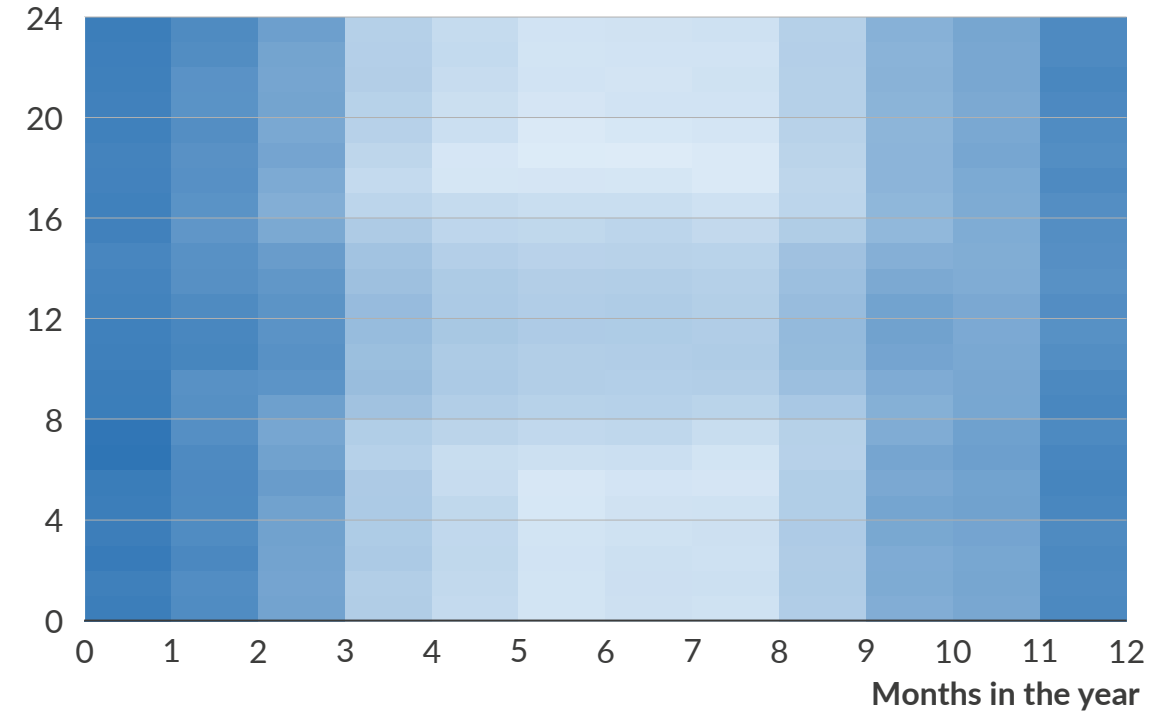
Solar spread across the year

Hours in the day



- Solar output is significantly lower in winter
- Batteries are well suited to spread electricity within the day, but not across seasons – long-term storage, e.g. e-fuels, would be needed

Wind spread across the year

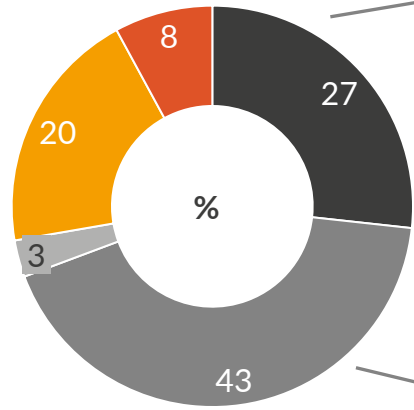


- Wind output is more evenly distributed around the year
- However, regular weeklong windless periods require backup generation

Typical output distribution over 30 years

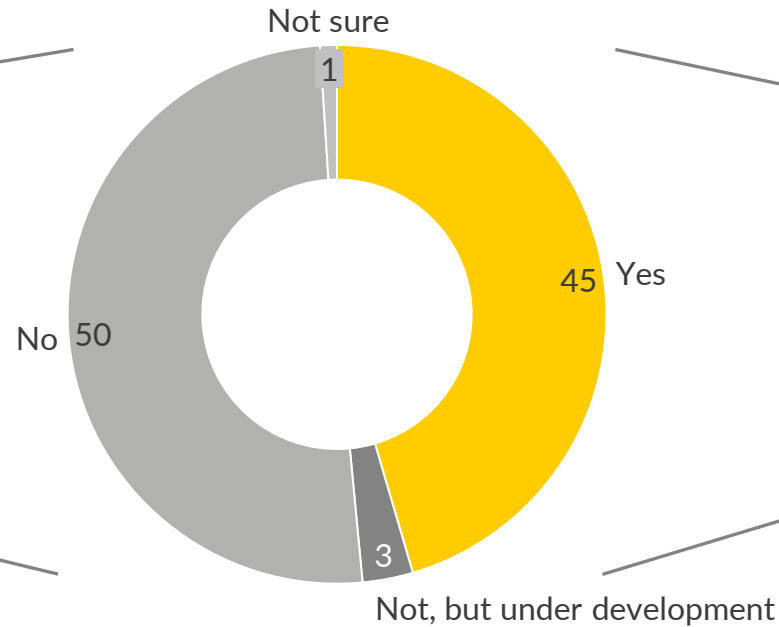
# Wind turbines tend to be more accepted by a solid majority, and even more so by those that already live near them

If wind turbines were to be built in my area, my concerns would be...

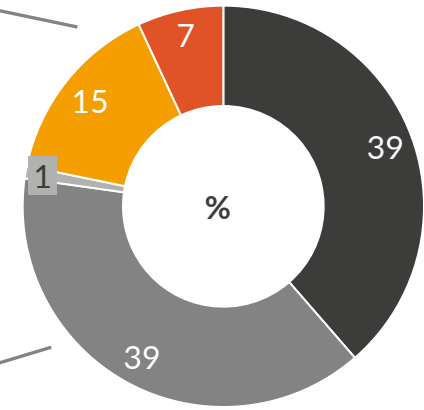


70% general agreement

There are wind turbines in my area.



I have no issues with the wind turbines in my area.



78% general agreement

- insignificant.
- quite significant.
- somewhat significant.
- highly significant.
- Not sure.

- Fully agree
- Somewhat disagree
- Somewhat agree
- Strongly disagree
- Not sure

Results of a 2019 survey in Germany (sample size 1,013).

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Any further questions?

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