EUFORES IPM23

EU wants wind to be 34% of power by 2030: How to deliver that

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# Wind energy in Europe

## Key Figures
- **256 GW**
- **17%** of Europe’s electricity demand

## Installed Capacity
- **66 GW installed**

## Wind Share of Electricity Demand

<table>
<thead>
<tr>
<th>Country</th>
<th>GW Installed</th>
<th>Wind Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>12</td>
<td>34%</td>
</tr>
<tr>
<td>France</td>
<td>5</td>
<td>29%</td>
</tr>
<tr>
<td>Spain</td>
<td>6</td>
<td>26%</td>
</tr>
<tr>
<td>UK</td>
<td>10</td>
<td>28%</td>
</tr>
</tbody>
</table>

## Additional Data
- **6%** of electricity demand in **2023**
- **5%** of electricity demand in **2024**

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*Note: N/A indicates data not available or not applicable.*
Onshore wind in Europe

224 GW

14% of Europe’s electricity demand
Offshore wind in Europe

32 GW

3% of Europe’s electricity demand

GW installed
Wind share of electricity demand
Huge increase in wind capacity coming

But Europe isn’t building enough wind
Offshore ambitions in the Baltic Sea

22.5 GW by 2030
Countries’ 2030 plans for the Baltic Sea

- Sweden: 700 MW
- Denmark: 7.9 GW
- Germany: 4.1 GW
- Poland: 5.9 GW
- Estonia: 1.4 GW
- Latvia: 400 MW
Permitting remains a bottleneck
New EU permitting rules will help

- Overriding public interest
- 2 years for all new permits
- Faster permitting in & outside ‘acceleration areas’
- Digitalisation
Countries are handing out more permits

<table>
<thead>
<tr>
<th>Quarter</th>
<th>2021</th>
<th>2022</th>
<th>2023 Q1</th>
<th>2023 Q2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.0 GW</td>
<td>1.1 GW</td>
<td>1.8 GW</td>
<td>1.5 GW</td>
</tr>
</tbody>
</table>

Q1 2021 | Q1 2022 | Q1 2023 | Q2 2023
Countries are handing out more permits
Welcome to EasyPermits

Please choose one of the user to login the page

I am a Community Member

I am a Permitting Agent

I am a Wind Farm Developer
We’re not investing enough
New EU electricity market design

- No Inframarginal Revenue Caps
- CfDs for auctioned projects
- Promotion of PPAs
- No retroactive changes to support
- All routes to market
We’ve got to strengthen the supply chain in offshore turbines.

- Offshore turbines
  - 7 GW
  - 20 GW
We’ve got to strengthen the supply chain in

Offshore turbines
7 GW
20 GW

Foundations

600
1,300
We’ve got to strengthen the supply chain.
We’ve got to strengthen the supply chain

Offshore turbines
- 7 GW
- 20 GW

Workers
- 77,000
- 250,000

Vessels
- 56
We’ve got to strengthen the supply chain

**Offshore turbines**
- 7 GW
- 20 GW

**Workers**
- 77,000
- 250,000

**Cables**
- 1,900 km
- 3,200 km
Investments in ports

€8.5bn by 2030

Source: Port of Esbjerg
European Wind Power Package

- Acceleration and deployment of permitting
- Improved auction design
- Access to finance
- Fair and competitive international environment
- Skills
- Industry engagement and Member State commitments
Provide full cost indexation

Avoid negative bidding
Raising the bar

Pre-qualification criteria

- Cyber security
- Data Residency
- Environmental rules
Wind industry commitment on community engagement

- Early, transparent and comprehensive information and communication.
- Direct engagement of key local actors and activation of the local economy.
- Highlighting how communities will benefit from the investments being made.
WindEurope industry principles for supply chain sustainability

- Management, legal compliance and fair operations.
- Human rights and labour practices.
- Nature protection.
- Community engagement and development.
Wind and biodiversity work hand in hand
Wind and biodiversity work hand in hand
Kaixo Bilbao!
WindEurope is heading back to the Basque Country in 2024!
THANK YOU