Delivering Energy Independence for Ireland
Our Onshore and Offshore Wind Energy Opportunity

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windenergyireland.com
Wind Energy Ireland represents over 200 companies Members across existing assets, development & supply chain for onshore & offshore wind:
Wind energy is Ireland’s greatest asset in responding to the climate emergency.

Ireland will be energy independent.

The decisions we make now will decide when.
We have the targets and we have the pipelines

Ireland must **cut CO\textsubscript{2} emissions by 30 million tonnes** per year by 2030. Power sector emissions must be cut by **75%**.

By 2030 we need to deliver **9,000 MW** of onshore wind

By 2030 we need to deliver **5,000 MW** of offshore wind
Wind works. 2023 proved that.

- 35% of Ireland’s electricity from wind in 2023
- Capacity of new onshore wind farms connected in 2023: APPROX 275 MW
- Best year on record for wind energy generation: #1
- 1 GW+ of new onshore wind farms entering the planning system
- The competitive price of Ireland’s first ever offshore wind auction: €86 PER MWh
Wind works. And it’s lowering prices for consumers.

In April 2024 the Average Price of Electricity on the days with:

MOST WIND ENERGY

€51.55 PER MEGAWATT HOUR

LEAST WIND ENERGY

€111.05 PER MEGAWATT HOUR

MONTHLY PRICE COMPARISON

2023 2024

Wholesale Price (€/MWh)

€0 €50 €100 €150 €200 €250 €300 €350 $400

JAN FEB MAR APR MAY JUNE JULY AUG SEPT OCT NOV DEC

Top 5 counties for wind power generation in April 2024

1. Kerry
   128 GWh of wind power generated
   12% of Ireland’s wind power

2. Cork
   120 GWh of wind power generated
   11% of Ireland’s wind power

3. Tipperary
   76.6 GWh of wind power generated
   7% of Ireland’s wind power

4. Galway
   76.4 GWh of wind power generated
   7% of Ireland’s wind power

5. Donegal
   55 GWh of wind power generated
   5% of Ireland’s wind power

38% of Ireland’s power came from wind farms in the first four months of this year.

9.6% of wind power lost so far in 2024 because grid not strong enough.

SECOND BEST ever April for wind energy in Ireland.

1,000 mega-watts (MW) of hydro and battery storage now installed.
Wind energy saved €1.6 billion in gas costs in 2023

Wind also saved the equivalent annual emissions of 1.9 million cars across the island
Offshore wind progress – This is what it looks like

3,074 MW
Procured in ORESS 1

North Irish Sea Array
Dublin Array
Codling Wind Park
Sceirde Rocks

€86.05 / MWh
Average Weighted Price

5,000 MW
2030 offshore target

Oriel & Arklow
Still Moving Ahead

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Offer Qty</th>
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<tbody>
<tr>
<td>1. North Irish Sea Array (NISA)</td>
<td>500 MW</td>
</tr>
<tr>
<td>2. Dublin Array</td>
<td>824 MW</td>
</tr>
<tr>
<td>3. Codling Wind Park</td>
<td>1,300 MW</td>
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<tr>
<td>4. Sceirde Rocks Offshore Farm</td>
<td>430 MW</td>
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Offshore wind – our next step – South Coast DMAP

South Coast DMAP
Out for Consultation
Needs approval by July

Tonn Nua – 900 MW
Auction later this year

5GW+ Capacity
Potential in DMAP

Progress on future DMAPs critical to continue expanding our offshore opportunity
We need to tackle the risks to deliver

- The Planning System
- The Electricity Grid
We Support Build our Grid

Join us at buildourgrid.ie
We need to tackle the risks to deliver

The Planning System

The Electricity Grid

The People

#WorkinWind
The wind energy industry is growing at a rapid pace. We are creating a future free of fossil fuels. Whatever your passion, we have a meaningful career for you.
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