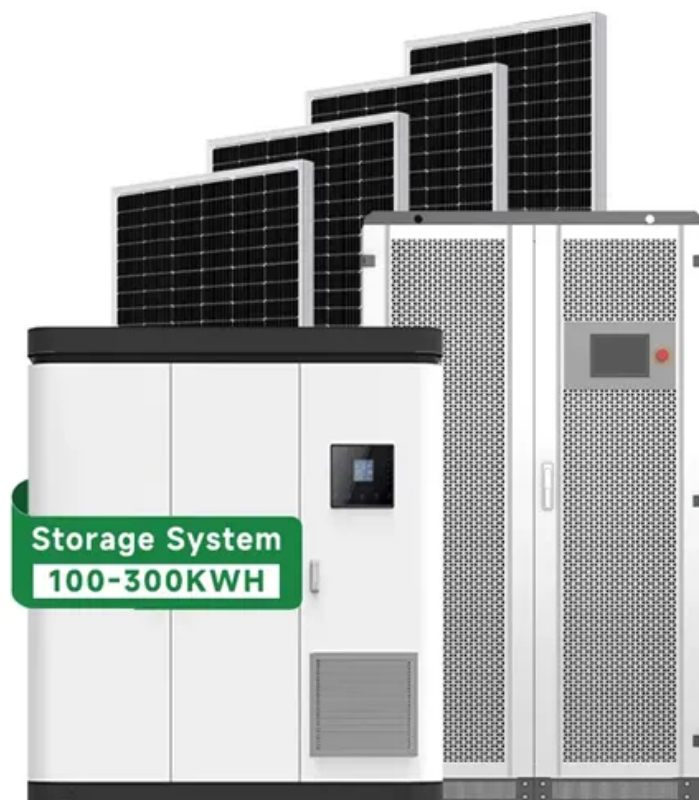


# **Ownership of the Irish Energy Storage Power Station**





## Overview

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The electricity sectors of the and are integrated and supply 2.5 million customers from a combination of , , , and . In 2022, 34 TWh were generated. In 2018 natural gas produced 51.8%, while wind turbines generated 28.1%, coal 7%, and peat 6.8% of Ireland's average electricity demand. In 2020 wind turbines generated 36.3% of Ireland's electrical demand, one of the highest wind power proportions in the world. W.

It is located at Poolbeg Energy Hub, where ESB – around 95% owned by the Irish state with the remaining stake held by its employees – is planning to deploy a combination of clean energy technologies, including offshore wind, hydrogen, and battery storage, over the coming decade. How much energy storage does Ireland have?

Image: ESB. ESB Networks has announced that Ireland's electricity grid now has 1GW of energy storage available from different energy storage assets. This figure includes 731.5MW of battery energy storage system (BESS) projects and 292MW from Turlough Hill pumped storage power station – which is celebrating its 50th anniversary this year.

What can ESB do for Ireland's Electricity System?

Large-scale battery energy storage projects and Turlough Hill pumped storage power station combine to reach milestone that can help to provide flexibility and support more renewables on Ireland's electricity system. Today, ESB Networks has announced that it has 1,000 MW (one Giga Watt) of electricity storage connected to Ireland's network.

How does electricity storage work in Ireland?

For context, peak demand on Ireland's electricity system is approximately 5.5 GW. Electricity storage systems such as utility-scale battery projects also provide essential backup services to the grid that help to keep the electricity supply secure, reduces carbon emissions and ultimately reduces costs to the consumer.

Will a new battery plant support Irish grid stability?



In a bid to support Irish grid stability, Electricity Supply Board (ESB) has opened a major battery plant at its Poolbeg site in Dublin, which will add 75MW/150MWh of fast-acting energy storage.

Will SSE Renewables build a battery energy storage system in Ireland?

SSE Renewables has acquired the project development rights for a 120 MW/240 MWh grid-scale battery energy storage system (BESS) project in Ireland's Midlands from UK-based renewable energy company Low Carbon which, if approved for final delivery, could be constructed and operational by the end of decade.

How many battery storage projects are there in Ireland?

More currently, according to our colleagues at Solar Media Market Research, which produces the Republic of Ireland Battery Storage Project Database Report, there are now 545MW and 609MWh of utility-scale BESS projects already operational in the Republic of Ireland.



## Ownership of the Irish Energy Storage Power Station

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[Kilroot owners to invest £600m in lower-carbon ...](#)

The owners of Kilroot power station near Carrickfergus are planning a £600m investment to increase lower carbon generation at the site. It ...

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[ESB Networks announces another milestone as one Giga Watt of energy](#)

Today, ESB Networks has announced that it has 1,000 MW (one Giga Watt) of electricity storage connected to Ireland's network. This figure includes 731.5 MW of battery ...

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[ESB opens Ireland's largest battery storage facility](#)

It is located at Poolbeg Energy Hub, where ESB - around 95% owned by the Irish state with the remaining stake held by its employees - is planning to deploy a combination of ...

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### Electricity Supply Board

The scheme was Ireland's first electricity plant - and at the time, it was believed that it would meet the total energy demands of Ireland, which proved to be an erroneous judgement.

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### [Ireland to get nine new power plants by 2024 to](#)

Nine new gas-fired power plants are due to be built in Ireland by 2024 to cope with soaring demand for electricity and to head off a potential shortage of power on the island. The ...

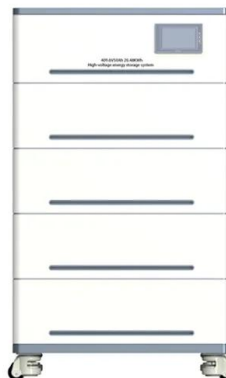
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### [Dublin battery system to support the Irish power grid](#)

In a bid to support Irish grid stability, Electricity Supply Board (ESB) has opened a major battery plant at its Poolbeg site in Dublin, which will add 75MW/150MWh of fast-acting ...

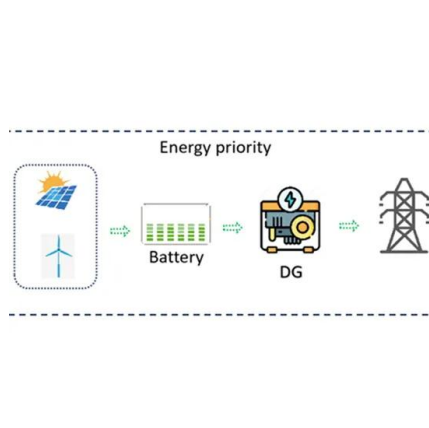
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### [PE owner seeks EUR-2bn sale of Irish power producer Energia](#)

US private equity firm I Squared Capital has launched a sale process for Energia Group, an Irish power producer that owns and operates 358 MW of wind assets and buys ...

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### [ESB Networks announces another milestone as one Giga Watt of ...](#)

Today, ESB Networks has announced that it has 1,000 MW (one Giga Watt) of electricity storage connected to Ireland's network. This figure includes 731.5 MW of battery ...

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### [Irish electricity network reaches 1GW of available energy storage](#)

Large-scale battery energy storage projects and Turlough Hill pumped storage power stations combine to provide flexibility and support more renewables in Ireland's electricity system.

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### [CIP takes full ownership of 480MW offshore wind development in Irish](#)

Copenhagen Infrastructure Partners (CIP) will acquire the the 480MW fixed bottom Morecambe offshore wind project, being developed by a joint venture between Flotation ...

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### [Ireland: Grid-connected energy storage surpasses first ...](#)

An example of one of the inaugural projects introducing long duration to Ireland is a 4-hour battery energy storage system (BESS) ...

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### [LNG developer secures 600 MW power plant, 120](#)

...

Developer Shannon LNG has obtained permission from the Irish planning authorities for a 600 MW regasification unit and a 120 MW battery ...

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### [The Energy Storage Boom in Ireland and Northern...](#)

Ireland and Northern Ireland are accelerating their energy transition with a significant increase in battery storage capacity within the Single Electricity ...

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### [£600m energy park proposed for Co Antrim](#)

A new £600 million energy park could be in the works for Co Antrim, with the new owner of the Kilroot Power Station seeking to make the largest ...

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### [Dublin battery system to support the Irish power grid](#)

In a bid to support Irish grid stability, Electricity Supply Board (ESB) has opened a major battery plant at its Poolbeg site in Dublin, which will ...

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### [Ireland: Grid-connected energy storage surpasses first gigawatt](#)

An example of one of the inaugural projects introducing long duration to Ireland is a 4-hour battery energy storage system (BESS) delivered by Fluence and Norwegian state ...

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### [List of power stations in the Republic of Ireland](#)

The table below gives a detailed overview of the fossil-fuel based power plants operating in Ireland in 2017. The data is publicly available and updated annually by the Irish Transmission ...

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### [Czech energy group unveils £600m plan to transform...](#)

THE Czech owner of Kilroot Power Station in Co Antrim has said its £600 million proposal to transform the coal-fired power station into a new low ...

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## **Electricity sector in Ireland**

While the United Kingdom was one of the first countries in the world to deploy commercial nuclear power plants, the island of Ireland has never had a nuclear power plant built on either side of ...

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### [HitecVision and Reinova Partners launch new Irish renewable energy](#)

Photo: Greencoat Dublin, Stavanger, and London  
- May 13, 2025 HitecVision, a leading European energy investor, and Reinova Partners, a newly established energy ...

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### [PE owner seeks EUR-2bn sale of Irish power producer Energia](#)

The company's ongoing EUR-3-billion Positive Energy investment programme is developing onshore and offshore wind, solar, battery storage and green hydrogen production. ...

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## Electricity sector in Ireland

OverviewIsland systemElectricity in the Republic of IrelandElectricity in Northern IrelandSee alsoExternal links

The electricity sectors of the Republic of Ireland and Northern Ireland are integrated and supply 2.5 million customers from a combination of coal, peat, natural gas, wind and hydropower. In 2022, 34 TWh were generated. In 2018 natural gas produced 51.8%, while wind turbines generated 28.1%, coal 7%, and peat 6.8% of Ireland's average electricity demand. In 2020 wind turbines generated 36.3% of Ireland's electrical demand, one of the highest wind power proportions in the world. W...

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### [Ministry of Power issues draft amendments on Energy Storage ...](#)

The Ministry of Power has issued the draft Electricity (Amendment) Rules, 2025 to amend



the Electricity Rules, 2005, introducing provisions on the utilisation, ownership, and ...

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### Gateway Gas Storage Facility

The Gateway Gas Storage Company (Gateway) is developing an underground natural gas storage facility, Gateway Gas Storage Facility (GGSF), 25km offshore south-west ...

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### AES Corporation

Array: An energy storage system located at the Kilroot Power station, and operating off Fluence's Advancion model. This system is the largest advanced energy storage system in the United ...

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