

Will Ireland see a battery energy storage boom in 2030?

The Single Electricity Market (SEM) in Ireland is set to see a battery energy storage system (BESS) boom into 2030, with short-to-medium duration capacity forecast by Cornwall Insight to increase fivefold by 2030.

How much solar generation will Ireland have in 2024?

Ireland surpassed 1GW of solar generation connected to the grid for the first time in 2024. We expect solar generation to continue to expand rapidly with over 959 MW of solar projects successfully receiving offers in the RESS 4 auction, representing over 70% of the total offer quantity in that latest round of the scheme. [Go to top.](#)

What will Ireland's energy sector look like in 2025?

Eoin Cassidy, Energy Sector Lead Partner, shares his insights on the opportunities and challenges ahead for businesses and investors navigating this dynamic landscape. 2025 is poised to be a transformative year for Ireland's energy sector, driven by ambitious climate targets and a renewed governmental focus on policy, innovation and infrastructure.

Will Ireland meet its 8 GW solar deployment capacity?

New data from the Sustainable Energy Authority of Ireland (SEAI) says there is no scenario in which Ireland will meet its 2030 solar deployment capacity of 8 GW. With existing measures in place, the reality would be more like 5 GW, the government-run group estimates.

What is Ireland's long-term energy strategy?

This step is crucial for achieving Ireland's long-term energy strategy. Ireland's renewable electricity sector continues to thrive. The Draft Programme for Government sets ambitious targets of 9GW of onshore wind, 8GW of solar, and at least 5GW of offshore wind capacity by 2030.

Should Ireland Invest in energy storage?

The first national policy for energy storage in Ireland was released in July making a strong push for immediately investing in electricity storage to help meet 2030 targets.

The Poolbeg Battery Energy Storage System in Dublin went into operation in November 2023 and has the capability of providing 75MW of fast-acting energy storage. It is located at Poolbeg Energy Hub where we plan to deploy a combination of clean energy technologies, including offshore wind and hydrogen over the coming decade. [Read Press Release](#)

Energy Ireland 2025; Publications. ... Niamh has a broad skillset in this area and routinely advises developers, sponsors, banks and public bodies on energy projects in Ireland. Close. Paddy Hayes ... Power Generation and as an Energy Storage solution in a renewable future. Aodh is especially focused on the creation of

hydrogen demand ...

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

Italy, Germany, Spain, France and Ireland expected to be the leading EU countries for storage deployment between now and 2031; Tamarindo's Energy Storage Report brings you a country-by-country run-down of the key players driving innovation in the major European storage markets; The UK is forecast to be the European country that will add the most energy storage ...

SSE Thermal is also developing what could be one of the world's largest hydrogen storage facilities, with an initial expected capacity of 320GWh - enough to power 860 hydrogen buses for one year. ... Niamh has a broad skillset in this area and routinely advises developers, sponsors, banks and public bodies on energy projects in Ireland ...

RES" Shaneragh battery energy storage system (BESS) project is conveniently located close to Dromore substation and outside of any national or local environmental designations. It will help manage renewable energy's variable generation, supporting Northern Ireland's net-zero target.

RESS. The Renewable Electricity Support Scheme provides support to renewable electricity projects including wind and solar in Ireland is the Government's flagship support scheme for onshore wind and solar energy. There have been four RESS Schemes to date with a fifth round (RESS 5) due to conclude over the course of 2025.

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 ...

Our coverage of the Energy Storage Summit EU 2025, Europe's biggest industry conference, continues with Day 2. ... Once driven by residential demand, utility-scale projects are now surging, with 184 MW added across 44 projects in 2023. With nearly 16 GWh of capacity installed in the first half of 2024, Germany is set to integrate 24 GW of ...

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Mayo, and the north-west, has an enormous wind energy resource, and these critical projects can help ensure Mayo continues to play a key role in providing homegrown energy for Irish consumers while decarbonising the national power grid. "Along with wind generation, battery storage projects like Mullafarry are a key part of the energy jigsaw.

Energy Storage Projects in Ireland 2025

A recent report by Cornwall Insights projected Ireland's battery energy storage fleet will grow to reach 13.5 GWh by 2030, up from a capacity of 2.7 GWh in 2025. "It's great to have the opportunity to deliver further flexible energy across the UK and Ireland to support the energy transition to a net-zero future," O'Loughlin said of ...

Colm O'Neill and our Sustainable Futures team explain what could be done to hit Ireland's energy targets. Ireland has set very ambitious targets and while we have made some progress, now is the time to take action in the Energy Sector. 2024 needs to be a year for delivery and a year for getting back on track in terms of achieving our targets.

The energy storage landscape is changing quickly as scientists work to create better and longer-lasting storage solutions. Experts are focused on improving smart grids to ensure that electricity systems work well and are cost-effective. Some of the most important trends include finding better alternatives to lithium-ion batteries, inventing renewable depots ...

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All data and analysis in this article refers to the Republic of Ireland, and comes from our in-house market research at Solar Media, specifically our Republic of Ireland Battery Storage Project Database Report. Size of energy storage projects With at least 720MWh of energy storage deployed - and 1GWh in construction - the growth of the energy storage market in Ireland has ...

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The UK & Ireland is the most mature and established energy storage market in Europe, with just over 5GW of total operational capacity at the start of 2025. With over 130GW in the pipeline for the UK and Ireland, the growth potential of this market is immense.

Project planning activity for new utility-scale energy storage projects in Ireland started to gain traction at the start of 2017, driven by sites with >20MW capacity. ... Energy Storage Summit Asia 2025. 1 October 2025. Asia. By 2026, the Asia-Pacific region is forecast to contribute 68% of the projected \$10.84 billion market. Over the past ...

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Energy Storage Ireland is a representative association of public and private sector organisations who are interested and active in the development of energy storage in Ireland and Northern Ireland. Our vision //

Energy Storage Projects in Ireland 2025

Delivering the energy storage ...

26th June 2025 @ 9:00 am - 5:00 pm - Save the date for the ESI Annual Conference 2025! The ESI Conference attracts 300 attendees from across the energy sector and is focused on the development of energy storage in Ireland and Northern Ireland.

Strategic Power Projects managing director Paul Carson. Image: Strategic Power Projects. Ireland's national planning body An Bord Pleanála has approved a EUR140 million (US\$135.7 million) proposed battery storage facility set to be developed by Strategic Power Projects at Dunnstown, County Kildare.

The energy storage market in Ireland continues to show strong growth potential. While still in the early stages of site construction, new additions are now providing a strong uptick in activity.

Offshore opportunities: After a lull in offshore developments in recent months 2025 could be the year of offshore wind's rebound in Ireland. Smart grid and storage: Along with more physical infrastructure, smart grid solutions and energy storage are required to meet the increasing demands of the electricity grid. This should receive increased ...

NTR develops, constructs, and operates renewable energy projects in circa 65 locations across seven European countries, specialising in wind, solar and energy storage. With approximately EUR1.9 billion of capital ...

Accelerated delivery of electricity generation and storage projects and associated infrastructure is important, so that increasing demand from a growing economy and population can be catered for. ... to the new ECP-GSS is the inclusion of six-monthly rather than 12-monthly application deadlines starting from September 2025. ... Niamh has a ...

In the early 2020s, Irish energy storage projects were off to a rapid start, but the market slowed from 2023 to 2024. The main reasons are policy uncertainty and limited revenue sources in the market, especially for projects ...

Bobby Smith, Head of Energy Storage Ireland, remarked: "Energy storage is a key enabler of our clean energy future, and this achievement is a big step on that journey. Our members are delivering the energy storage projects alongside ESB Networks that are needed to reduce the use of fossil fuels and drive down energy prices while ensuring a ...

2025 is poised to be a transformative year for Ireland's energy sector, driven by ambitious climate targets and a renewed governmental focus on policy, innovation and infrastructure. The recently published Draft Programme for Government reaffirms Ireland's ...

Delivery of our proposed Mullafarry BESS project would provide Ireland's energy system with additional grid-scale battery storage capacity, allowing us to store excess ...

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