

How does SSE support Ireland's energy future?

Between graduates, office-based and skilled specialists, SSE continues to invest in the people required to deliver Ireland's energy future. More broadly, 3,270 jobs across Ireland were supported directly or indirectly by SSE last year - demonstrating the impact of its developments across the country.

What will SSE Renewables do for Ireland?

SSE Renewables is also focused on delivering the 800MW Arklow Bank Wind Park 2, an offshore wind project which can make a vital contribution to Ireland's 2030 climate action target. A planning application for the project was submitted earlier this summer, and SSE is currently awaiting a decision from An Bord Pleanála.

What percentage of Ireland's Electricity comes from fossil fuels?

93.9% of road transport energy demand came from fossil fuels. Demand for electricity was 2.5% higher than in 2021, consistent with the annual growth of recent years. The carbon intensity of Ireland's electricity was 332 gCO<sub>2</sub>/kWh. 49.2% of the electricity indigenously generated in Ireland came from gas.

What will Ireland's energy supply look like in 2022?

Petrol demand may be 7.4% higher than in 2022 and reach 96.5% of the pre-COVID demand observed in 2019. Transport emissions may be 11.8 MtCO<sub>2</sub>e, up slightly on 2022 emissions. In the first 9 months of 2023, Ireland imported 9.1% of its electricity supply, up from 1.1% in 2022.

Why does Ireland need gas?

After oil, gas is Ireland's second most prominent energy source. Gas makes up almost half of our electricity generation and will be required for many years to supply flexibility as renewable generation grows. We are highly dependent on imported gas, which leaves us exposed to growing geopolitical tensions and shifts in the global power balance.

How are energy prices set in Ireland?

This reality needs to be reflected in how energy markets are run and prices are set in Ireland. Today the market structure for electricity means that when the wind does not blow and gas is used the cost of gas sets the electricity price very high.

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Andrew Hickey is Commercial Manager at Hitachi Energy Ireland providing sustainable energy solutions that facilitate reliable and efficient system integration of the future digital electric grid. Andrew has 20 years of



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industry experience, including five years of delivering electrical systems and grid interconnection across multiple sectors.

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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.

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Fossil Fuel Dependency: Despite renewable progress, fossil fuels still account for 82.7% of Ireland's energy. Transport and heat sectors remain especially reliant, with 94% of transport energy coming from fossil sources. Growing Demand on ...

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3 ???&#0183; National energy related emissions decreased by 8.3% in 2023 reaching their lowest level in thirty years. The data shows good signals of progress, but Ireland will have to increase the rate of change significantly to ...

This is what the World Energy Council coined the "energy trilemma" in 2015: How can we balance security, affordability and sustainability in our energy systems? Fortunately, Ireland has massive amounts of renewable energy just off its coast - wind, and more than enough of it to power their country many times over. But there's a catch.

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The full report presents the latest national data and trends on energy efficiency and renewable energy in Ireland. It also looks at how these energy trends relate to Government and EU renewable energy targets.

Ireland has no mandatory national target for RES-E for 2030, nor was there one for 2020, but RES-E forms the backbone of Ireland"s strategy to achieve the overall renewable energy target for 2030. Ireland"s National Energy and Climate Plan (NECP 2021-2030) includes a planned RES-E of 70% in 2030, while Ireland"s Climate Action Plan 2023 (CAP ...

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