

What is Ireland's energy use?

See an overview of on energy use in Ireland broken down by fuel, sector and mode. This graph shows the energy balance for Ireland. On the left are the primary energy inputs to the Irish energy system. Primary energy includes the raw fuels that are used for transformation processes such as electricity generation and oil refining.

What are the primary energy inputs to the Irish energy system?

On the left are the primary energy inputs to the Irish energy system. Primary energy includes the raw fuels that are used for transformation processes such as electricity generation and oil refining. The sum of all primary energy is the Total Primary Energy Requirement (TPER). On the right are the sources of demand for final energy.

What fuels are used in primary energy in Ireland?

Nevertheless, the mix of fuels and energy types in primary energy has evolved significantly during this time. The broad trend has been the growth of renewables and natural gas displacing oil, coal and peat. Despite the meaningful development of renewables, fossil fuels still dominate Ireland's primary energy supply.

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 MtCO₂e, 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.

What is Ireland's energy supply based on?

Ireland's official RES results will be based on annual energy questionnaire submissions to Eurostat in October, and Ireland's EU-SHARES submissions in November, both made on Ireland's behalf by SEAI. Ireland's energy supply remains heavily dependent on imported fossil fuels. In 2023, 82.6% of Ireland's energy came from fossil fuels.

Where does ambient heat energy come from in Ireland?

All of Ireland's ambient heat energy is indigenously produced. All of Ireland's ambient heat energy goes directly to end-users, without undergoing any transformations or exchanges. Practically all ambient heat energy consumption occurs within the residential and services sectors.

The KPMG Energy Exchange Hub is your destination for all things energy. We have created an extensive library of information as we are dedicated to empowering experts and enthusiasts across the energy sector with the latest insights, trends, and innovations.

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Ireland used 23.38 TWh of renewable energy in 2023, up from 21.68 TWh in 2022. Wind accounted for just under half (49.9%) of that renewable energy, followed by biodiesel (13.4%) and biomass (11.0%).

As we embark on a new year, the energy landscape is evolving at an unprecedented pace, driven by a confluence of geopolitical unrest, technological advancements, policy shifts, and global imperatives. Colm O'Neill and our Sustainable Futures team explain what could be done to hit Ireland's energy targets.

SONI is responsible for balancing consumer demand with generation to ensure a constant supply of power in Northern Ireland, but also takes the lead on planning for Northern Ireland's future energy needs by developing projects to ...

3 · Decades of rapid extraction fostered Ireland's energy independence and employed scores of workers in turf-cutting, briquette factories and power plants. But it also polluted the air and ...

3 · Ireland is still heavily reliant on burning fossil fuels to generate electricity, despite a growing number of wind farms sprouting across the countryside. Further data center expansion threatens Ir...

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Hitachi Energy hosted a round table discussion with key stakeholders from across the energy sector to examine how the twin transitions of digitalisation and decarbonisation can transform Ireland's energy system.

Ireland's national energy-related emissions in 2023 were at their lowest level in over 30 years. Energy-related emissions in 2023 were 31.4 MtCO₂eq, down 8.3% on 2022-levels. Electricity accounted for a 24.1% of energy emissions, transport for 37.6% and heat for 38.3%.

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