

Fingrid's role in tackling climate change

Fingrid's main grid creates a platform for a clean power system, which is a key part of Finland's energy and climate strategy. Fingrid's mission is to build a reliable transmission system and a functional electricity market.

Fingrid's strategy, governance and risk management

- Fingrid is committed to operating in accordance with international climate goals and limiting the global temperature increase to 1.5 degrees.
- Fingrid's investment programme will implement the strong electricity transmission connections needed for a clean power system both within Finland and between neighbouring countries, transferring clean electricity, in particular, to southern centres of consumption.
- Fingrid is preparing for the change in the electricity production structure by increasing automation and digitalisation, thus also reducing the carbon footprint of its own operations.
- Fingrid guarantees a reliable supply of electricity and the balance of the power system even as the electricity production structure changes.
- Fingrid develops the rules of the electricity market to enable the energy transformation and facilitates market access especially for decentralised production, reserves and demand-side management.
- Fingrid is preparing for the physical risks of more frequent and stronger extreme weather phenomena in the construction and operation of the main grid.
- Fingrid is preparing for the transition risk, i.e., transition to a clean power system, by building the main grid fast enough to meet the climate goals. This means proactive assessment of environmental impacts, well-functioning stakeholder interaction, rapid project authorisation and effective project management.
- Fingrid's Board of Directors is responsible for Fingrid's strategy for creating a clean power system and managing the risks related to climate change.

99,9998 % High security of supply in electricity transmission

100 M€ Green Bond 2017-2027 Climate Bonds Initiative Green Bond Award

GRI and GHG Standards and Greenhouse Gas protocol in reporting

>100 M€ Significant annual investments in the main grid to enable clean electricity production

UN Global Compact Commitment to the corporate responsibility initiative

Audits In ensuring the responsibility of procurements and self-owned worksites

ISO 14001 Environmental certification for reserve power plants

EIA awards For the environmental impact assessment of two transmission line projects

98% Of waste utilised and 89% recycled



Fingrid's climate goals

Fingrid aims to support the achievement of international climate goals and reduce its own carbon footprint.

- Securing a strong transmission network and functional cross-border transmission links.
- Developing the flexibility of the power system to increase variable, renewable electricity production in the main grid, which will also reduce the carbon footprint of transmission losses.
- Making energy-efficient main grid investments and equipment procurements.

Fingrid's climate reporting in 2019

In 2019, altogether 132 megawatts of wind power were connected to Fingrid's main grid, which will indirectly avoid emissions worth around 72,000 carbon dioxide equivalent tonnes in the coming years. In addition, Fingrid concluded during the year agreements on connecting a total of approximately 2,000 megawatts of wind power production to the electricity grid. Once realised, this will lead to a substantial positive climate impact, indirectly avoiding emissions worth around 1.1 million carbon dioxide equivalent tonnes.

Greenhouse gas emissions	2019	2018	2017
Transmission losses (scope 2)	211 000	200 000	221 000
Reserve power plants (scope 1 ja 2)*	7 700	10 700	9 000
Sulphur hexafluoride of substations (scope 1)	1 100	500	500
Electricity and district heating of own premises	600	700	700
Total (scope 1 ja 2) tCO2-ekv	220 000	213 000	232 000

* Fingrid's reserve power plants are not in commercial use and are used only in the event of severe disruptions in the power system to secure the supply of electricity

Energy efficiency 12,9 % Energy savings target in Energy Efficiency Agreement for Industries 2017-2025

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