

# 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.

99,9999 % 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

71 % Of waste utilised and 62% 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 2018

At the end of 2018, Finland's wind power capacity was approximately 2,000 megawatts – Fingrid was able to designate a connection point for all wind power projects connected to the main grid.

Greenhouse gas emissions	2018	2017	2016
Transmission losses (scope 2)	200 408	221 363	265 430
Reserve power plants (scope 1 ja 2)*	11 301	8 786	13 293
Sulphur hexafluoride of substations (scope 1)	494	547	479
<b>Total (scope 1 ja 2) tCO<sub>2</sub>-ekv</b>	<b>212 202</b>	<b>230 696</b>	<b>279 202</b>

\* 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

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Energy efficiency 6 % Energy savings target in Energy Efficiency Agreement for Industries 2017–2025