



Norilsk Nickel is driving the shift towards sustainable and responsible production

Materials



Expanding the Horizons of Sustainable Growth

5.1 Mb



Renewable Energy Sources Policy

162 Kb



Norickel is one of the world's largest industrial groups and our duty is to be a sustainable and responsible producer. One of our top priorities is to keep our greenhouse gas emissions at the lowest level in the metals and mining industry while at the same time increasing the output of metals which are essential for the global transition to a green economy.

Long-term goals

Continue to maintain

absolute GHG emissions from operations at one of the lowest level among global diversified metals & mining players

[Our Targets](#)

Strive to

increase low-carbon energy usage

Our mission

Norickel recognizes:

- The need for an urgent global response to the threat of climate change, across all areas of society and the economy.
- The need to support the goals of the Paris Agreement to limit the increase in the global average temperature to 2°C and pursue efforts to limit the increase to 1.5°C.
- The need to reduce emissions from the extraction and use of mining products and support collaborative market-based approaches to accelerate the use of low-emission technologies as part of a transition to a low carbon energy mix. We will also take into account the practical challenges we will face in making that transition.
- That climate and energy policy should be technology neutral and rely on a market-based approach to enable the most cost-efficient solutions.
- The vital role that a broad-based, predictable, long term carbon price can play, alongside other market mechanisms, to drive reduction of GHG emissions and incentivize innovation.
- The importance of providing climate-related disclosure in order for all stakeholders to measure and respond to climate change risks and opportunities, including the transparency around climate-related risks.
- The role of natural climate solutions and offsets in providing low cost options to address global GHG emissions.

Our Approach to Climate Change

Norickel has a long-term sustainable development strategy ensuring the development of environmentally oriented production to enable the global shift towards cleaner mobility. This involves the modernization of its production assets through the deployment of best available technologies and clean tech solutions, maintaining a low-carbon footprint among global diversified metals and mining players, improving energy efficiency and resilience to the physical risks related to climate in the long term.

Our Commitments

- Implement governance, engagement and disclosure processes to ensure climate change risks and opportunities are considered in business decision-making.
- Advance operational level adaptation and mitigation solutions, taking into consideration opportunities and challenges of the Taimyr and Murmansk regions.
- Engage with the administration of Norilsk on our shared climate change risks and opportunities and help municipalities in the Norilsk industrial region to understand how they can mitigate the physical impact of climate change.
- Increase transparency and disclosure regarding Scope 1 and 2 GHG emissions on an annual basis.
- Set emissions reduction targets at a corporate level.
- Support the global transition to a low carbon economy by contributing to the sustainable production of commodities essential to the energy and mobility transition, working with our partners, suppliers and clients across the value chain.

- Engage with external parties to determine a preferred approach to reporting Scope 3 emissions.

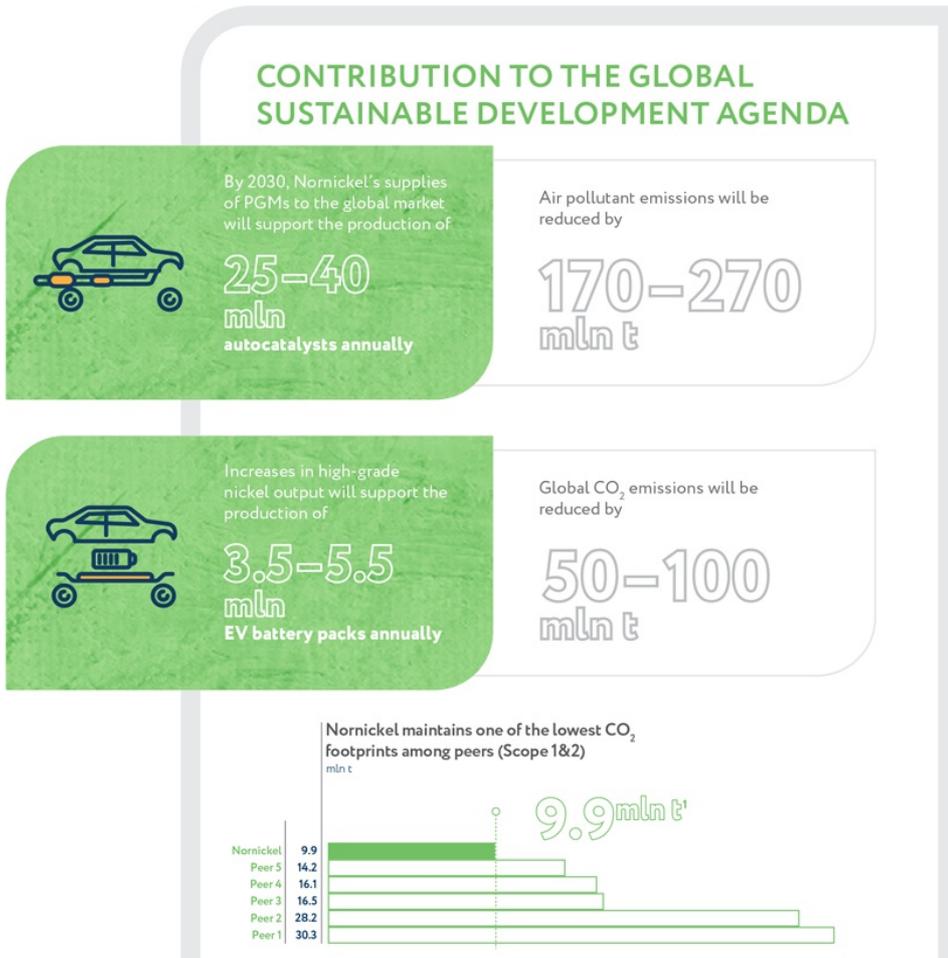
Our Targets

To deliver on our strategic objectives Nor nickel will:

- Continue to maintain absolute GHG emissions from operations (Scope 1,2 around 10 Mt CO₂e) at one of the lowest level among global diversified metals & mining players while growing production by ~25-30% vs 2017.
- Maintain Scope 1&2 GHG emissions per t of Ni-equivalent in the bottom quartile of global metals and mining industry GHG intensity curve" ⁽¹⁾
- Strive to increase low-carbon energy usage.
- Manage climate-related risks by building resilience strategies and helping communities in the Norilsk industrial region and Murmansk region.
- Encourage the shift to a low carbon future by using R&D to help develop new solutions and by engaging in cross-industry climate dialogue.

Nornickel's Environmental Impact

Materials for the future



Norilsk Nickel's GHG Emissions

9.9 mtpa

scope 1+2 GHG emissions (in line with GHG protocol), the lowest CO₂ footprint among global mining majors

-19%↓

reduction in absolute GHG emissions intensity index compared to 2013 (Scope 1,2)

~2 mtpa CO₂e

Scope 3 GHG Emissions (GHG Protocol)

Use of renewables and energy efficiency

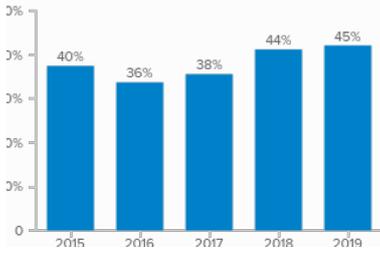
~45%

of electricity used by Nornickel came from renewable sources in 2019, while the renewable share of overall energy was 12%

Nornickel has one of the highest shares of renewable energy in its energy mix (45% share of electricity from renewable sources) owing to its captive hydro power plants in Norilsk, while the remainder of the fuel used for the thermal power plants is almost entirely made up of natural gas. The use of high-carbon fuel by energy assets is minimized. The shutdown of the Nickel Plant at the Polar Division in August 2016 decreased the Company's coal consumption by 40-70 ktpa.

Norilsk Nickel has one of the highest shares of renewable energy.

Electric power generated from renewable sources, %

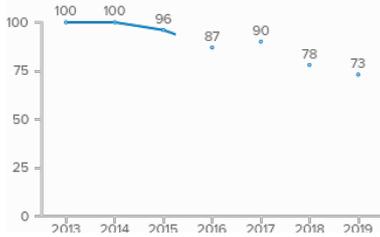


Nornickel's Environmental Impact

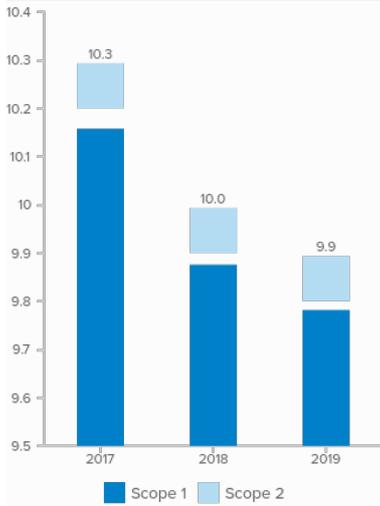
Product Portfolio

Norilsk Nickel Maintains One of the Lowest CO₂ Footprints Among Peers

Carbon intensity index is calculated as carbon emissions per tonne of copper equivalent as a percentage relative to its level in 2013, assumed as 100%

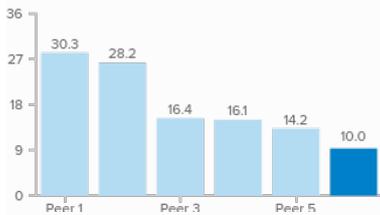


Norilsk Nickel GHG Emissions Dynamics (mln t of CO₂ equivalent)



The estimate was made in 2019 as per the GHG Protocol Guidelines and includes carbon dioxide (CO₂) and methane (CH₄) emissions)

Norilsk Nickel Maintains One of the Lowest CO₂ Footprints Among Peers



For peer group data as of 2018, for Norilsk Nickel as of 2019