

# Energy assets

Nornickel operates its own fuel and energy assets, which include four natural gas fields, three combined heat and power (CHP) plants, two hydropower plants, as well as gas pipelines, power lines, and gas-fired boiler houses. The Group's energy assets supply approximately 56% of the Group's total energy needs, with electricity accounting for 49% of that volume.

**240** bcm  
gas reserves



**4,311** kt  
gas condensate reserves



**1,653** km  
the string length of gas and condensate pipelines



Fuel and energy assets are managed by the Energy Division.

**A gas and condensate production enterprise** operating in the Krasnoyarsk Territory and the Yamal-Nenets Autonomous District. Its core activities include the extraction and processing of natural gas and gas condensate as well as the sale of hydrocarbon feedstocks to consumers.

**Existing deposits:**

- Messoyakhskoye gas field – under development since 1969
- Yuzhno-Soleninskoye gas condensate field – under development since 1972
- Severo-Soleninskoye gas condensate field – under development since 1983
- Pelyatkinskoye gas condensate field – under development since 2003

**Energy infrastructure**



**2,696** Mcm  
natural gas production



**113** kt  
gas condensate production



**56%**  
share of renewable electricity across the Group



**Gas and gas condensate production volume<sup>1</sup>**

Indicators	2021	2022	2023	2024	2025
Natural gas, Mcm	2,927	2,816	2,720	2,650	2,696
Gas condensate, kt	102	91	85	102	113

<sup>1</sup> Gas condensate production figures include production losses (carryover with separation gas).



**An enterprise engaged in the transportation of natural gas and gas condensate**, delivering feedstocks from the fields to consumers in the Norilsk Industrial District. The district's gas supply system is a regional-level network and is not connected to the Unified Gas Supply System of Russia. Natural gas is transported from the fields via a trunk pipeline to Dudinka and Norilsk.

**A fuel company** serving as a strategic supplier of light and dark petroleum products to the Far North. The company

plays a key commercial and social role in the region, with operations spanning the Norilsk Industrial District, the cities of Krasnoyarsk and Dudinka, the Murmansk Region, and the Trans-Baikal Territory. The fuel company supplies petroleum products to mining, exploration, and transport companies as well as municipal enterprises. Its key consumers are Nornickel Group enterprises.

**A fuel and energy company** engaged in the generation and supply of electricity and heat to consumers in the Far North.

Electricity and heat generation relies on a mix of renewable energy sources (hydropower) and non-renewable sources (natural gas).

**The asset comprises the following facilities:**

- Three gas-fired thermal power plants with a total installed capacity of 1,154 MW
- Two hydropower plants with a total installed capacity of 1,102 MW
- Nine boiler houses:
- Three electric boiler houses
- Six fossil fuel-fired boiler houses

**Company energy system highlights:**

- Total installed capacity: 2,256 MW
- Total CHPP heat capacity: 4,129 Gcal/h
- Total boiler capacity: 511 Gcal/h

The Company supplies electricity, heat, and water to residents of Norilsk, Dudinka, Svetlogorsk, and Snezhnogorsk, as well as to Nornickel enterprises.

The Company's main source of renewable energy is hydropower, generated at the Ust-Khantayskaya and Kureyskaya HPPs.



The Ust-Khantayskaya HPP is the world's northernmost hydropower plant, with a capacity of 502 MW. It was built on permafrost and is located on the Khantayka River, a right-bank tributary of the Yenisei.

The Kureyskaya HPP is located in the north of the Krasnoyarsk Territory, on the Kureyka River, with an installed capacity of 600 MW.



**Energy consumption by the Group,<sup>1</sup> TJ**

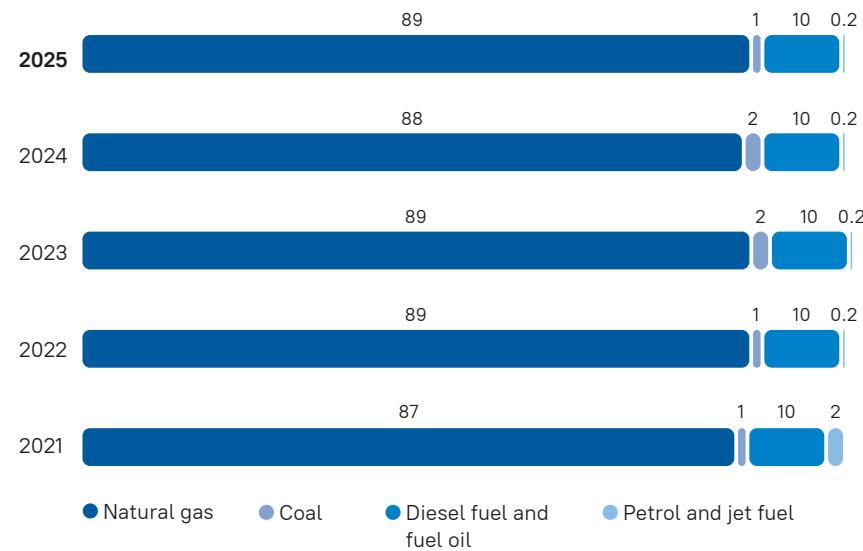
Indicators	2021	2022	2023	2024	2025
1. Fuel consumption, including: <sup>2</sup>	151,235	141,909	137,150	133,746	134,533
• Natural gas	130,867	125,934	121,643	117,940	119,311
• Diesel fuel and fuel oil	15,097	13,628	13,080	13,471	13,250
• Petrol and jet fuel	3,715	325	312	297	275
• Anthracite coal	1,557	2,027	1,562	1,765	1,378
• Lignite	0	0	552	273	318
2. Electricity and heat from renewable sources (HPPs)	14,586	16,152	16,800	16,686	15,984
3. Electricity and heat purchased from third parties	10,891	11,005	8,701	8,660	7,921
4. Sales of electricity and heat to third parties	19,974	18,968	19,216	18,838	17,117
<b>Total energy consumption (1+2+3-4)</b>	<b>156,738</b>	<b>150,098</b>	<b>143,435</b>	<b>140,254</b>	<b>141,321</b>
Share of renewable energy consumption, %	9	11	12	12	11
Share of renewable electricity consumption, %	47	51	55	54	56

<sup>1</sup> For a detailed breakdown of the Group's energy consumption by enterprise, see Nornickel's Sustainability Report 2025.

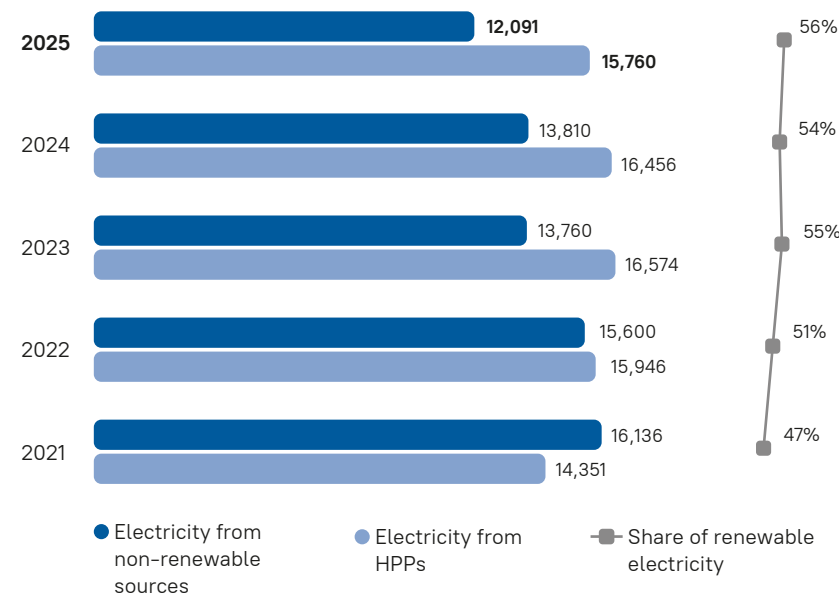
<sup>2</sup> Including fuel consumed for energy generation to meet the needs of Norilsk.



### Fuel consumption by the Group, %



### Electricity consumption by the Group, TJ



# 2,230 sq km

surface area of the Khantayka Reservoir

# 22.55 cu km

total volume of the Khantayka reservoir

# 14.03 cu km

active (usable) volume of the Khantayka Reservoir



In 2025, the share of renewables in total electricity generation stood at 56% for the Group and 57% for the Norilsk Industrial District. Renewable energy accounted for 11% of the Group's total energy consumption.

Energy sold to external consumers accounts for approximately 20% of Nornickel's total self-generation.

The Company's investment programme includes a number of projects to boost the share of hydropower, capture fuel and energy savings, and improve the reliability of energy and gas supplies.

# 558 sq km

surface area of the Kureyka Reservoir

# 10.0 cu km

total volume of the Kureyka reservoir

# 7.3 cu km

active (usable) volume of the Kureyka Reservoir



The Company's key projects aimed at improving equipment reliability and increasing energy efficiency include:

- replacement of power unit equipment for units Nos. 1 and 2 at CHPP-2: pre-commissioning activities are underway
- completion of retrofit of the dams at the Kureyskaya HPP
- ongoing replacement of storage tanks and associated infrastructure at tank farms

- completion of drilling of three wells at a well pad within the Pelyatkinskoye gas condensate field; tie-in works are in the final stages
- completion of the construction and commissioning of a booster compressor station at the Severo-Soleninskoye gas condensate field
- ongoing retrofit of the gas transportation system from the fields to the Norilsk Industrial District

- retrofit of the 2G underwater pipeline crossing under the Yenisei River
- start of construction of the CHPP-2 stack
- construction and installation works at two facilities of the main step-down substation for the development of Oktyabrsky and Taimyrsky Mines.

