

Moscow electricity market trends

This analysis includes a comprehensive Russia energy market report and updated datasets. It is derived from the most recent key economic indicators, supply and demand factors, oil and gas pricing trends and major energy issues and developments surrounding the energy industry.

Russia's electricity net consumption reached 1,026 terawatt-hours in 2022, marking an increase compared to the previous year. Russia's per capita electricity consumption was measured at over...

Russia: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key metrics on this topic.

Russia's electricity consumption per capita reached over seven megawatt-hours in 2021, marking an increase from the previous year. To compare, in 2000, the consumption per person was measured at...

Russia currently has a two-tier electricity and capacity market (wholesale and retail). Based on whether it is connected to the Russian unified electricity grid, the entire Russian electricity market is divided into a unified electricity grid area and an independent electricity grid area (gray in the figure below).

Rosneft (Federal Government 40.4%, BP 19.75%, QH Oil Investment 18.46%) is the largest oil company, with a crude oil and condensate production of nearly 194 Mt in 2023, accounting for 36% of total oil production. In 2018, QH Oil Investment acquired 19% of Rosneft for US\$4.25bn. In 2022, BP announced that it would exit its shareholding but still held its stake as of October 2024.

Crude oil production fell by 1.5% in 2023 to 535 Mt, after an increase of 2%/year over 2020-2022. Prior to that, it had increased by 1.3%/year between 2014 and 2019 and dropped by around 8% in 2020. Russia is the world's second largest crude oil producer, after the USA, at the same level as Saudi Arabia.

The price of gas is controlled by the State and determined according to the cost-plus pricing method. Certain cross-subsidies occur, in particular between industry and the residential sector.

Total energy consumption has remained roughly stable since 2021 (838 Mtoe). Previously, it increased rapidly between 2015 and 2019 (2.8%/year) before dropping by 4% in 2020 and rebounding by 9% in 2021.

According to the Energy Strategy for Russia, the production of natural gas should reach 885bcm by 2035, mainly to meet the expected increase in domestic consumption.

The Russia energy market data since 1990 and up to 2023 is included in the Excel file accompanying the

Russia country report. It showcases the historical evolution, allowing users to easily work with the data.

Data included in the excelsheet: Demand: Primary energy consumption, final energy consumption, by fuel, by sector. Power: Electricity generation & capacities, by technology 2: Total CO2 emissions. Macro-economy: Main macro-economic assumptions. Key indicators: Energy intensity, share of renewables, CO2 emissions per capita and per unit of GDP.

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