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Italy will subsidize electricity prices for 5G base stations





Overview

What is the Italian 5G plan?

The Italy 5G Plan, with an allocation of EUR 2.02 billion aims to incentivise the deployment of 5G mobile networks in areas of market failure. The Italian Strategy for Ultra Broadband 2023-2026 was approved by the Interministerial Committee for Digital Transition (CITD) on 6 July 2023.

When will 5G be available in Italy?

Iliad was the fourth Italian mobile operator to launch 5G in December 2020, now available in areas across numerous cities. As 5G gains traction, operators are looking to switch off their 3G networks and repurpose the existing spectrum from 3G services to 4G and 5G services.

Will Italy phase out the single national price (pun) by 2025?

In alignment with the European Commission's directive for greater integration of the European internal market, Italy has been instructed to phase out the Single National Price (PUN) by 2025, as outlined in Article 20 of Regulation 2019/943 of June 5, 2019, on the Internal Electricity Market (IEM).

How do zonal prices affect electricity prices in Italy?

The zonal prices will divide the country into seven electricity market regions and establish specific prices for each of them. Consequently, consumers in different regions may experience variations in electricity costs (Picture 1).
Picture 1 – Italian electricity market regions



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The 'Italian 5G Plan', under the State Aid case SA.100557, has an overall budget of approximately 2 billion euros in the period June 2022 to June 2026. The State aid scheme consists of two ...

5G Base Station Construction Market in Italy

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Prices for civilian electricity for 5G base stations in Italy

The residential electricity price in Italy is EUR 0.366 per kWh or USD 0.426. The electricity price for businesses is EUR 0.340 kWh or USD 0.396. These retail prices were collected in March ...

ITU-T L Supplement 43

Jun 28, 2024 · This Supplement examines energy-saving technology for fifth generation (5G) base stations (BSs). Some energy-saving technologies developed since the fourth generation (4G) ...

Italy 5g Cellular Base Stations Market Expansion Drivers

Nov 21, 2025 · The growth of Italy's 5G cellular base stations market is primarily driven by increasing demand for high-speed internet and enhanced connectivity services.

SHANXI TO SUBSIDIZE ELECTRICITY PRICE FOR 5G BASE STATIONS

Are 5G base stations useful for the power grid In Hangzhou, the 5G Power solution deployed by China Tower and Huawei supports one cabinet for one site and boasts smart features like ...

Digital connectivity in Italy

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5G Base Station Equipment Market



The EU's Energy Efficiency Index (EEI) requirements for 5G base stations, effective 2025, are driving demand for gallium nitride (GaN)-based radios with 32% lower power consumption.

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