



# 480 kWh electricity market

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The Wholesale Electricity Market Portal was launched by the U.S. Energy Information Administration (EIA) in March of 2024 to help users examine and access electricity markets data in the seven Regional Transmission Organizations (RTO) and Independent System Operators (ISO).

The IEA real-time electricity map displays electricity demand, generation, spot prices, trade as well as CO<sub>2</sub> emissions from more than 50 sources. Data is available historically, as well as daily or hourly, and at country or regional levels. Explore the map to discover visuals and analysis.

Electricity explained. Data for the United States for 2022 (except where noted). Note: MW = megawatts, MWh = megawatthours, KW = kilowatts, and kWh = kilowatthours. Total may not equal 100% because of independent rounding. 1 Utility-scale power plants have at least one MW of electric generation capacity.

Shown are annual average real time electricity market prices based on data from all locational marginal price (LMP) nodes in 2023. High wholesale electricity prices in ERCOT and CAISO were driven by different phenomena. In CAISO, high annual prices in 2023 were driven mostly by the high hourly prices in January 2023.

The electricity market in the United States is home to three of the 10 most valuable electric utility companies in the world. Florida-based NextEra Energy led the global utility company...

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IEA (2021), Electricity Market Report - July 2021, IEA, Paris <https://>, Licence: CC BY 4.0

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An overview of the different types of US electricity markets, how they are regulated, and implications for the future given ongoing changes in the electricity sector.

For definitions of bolded terms and other concepts related to the electricity grid and industry, check out "Electricity 101."

This explainer is part of RFF's Future of Power Explainer Series, which outlines the fundamentals of electricity markets and policy to convey how electricity systems function today and how they may evolve in the future with decarbonization efforts.



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Electricity 101: Terms and DefinitionsUS Electricity Markets 101Renewables 101: Integrating Renewable Energy Resources into the GridElectrification 101 FERC 101: Electricity Regulation and the Federal Energy Regulatory CommissionFERC 102: FERC's Role in Grid Decarbonization

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