



EIA is continuing normal publication schedules and data collection [until further notice](#).

Frequently Asked Questions (FAQs)

How many smart meters are installed in the United States, and who has them?

In 2022, U.S. electric utilities had about 119 million advanced (*smart*) metering infrastructure (AMI) installations, equal to about 72% of total electric meters installations. Residential customers accounted for about 88% of total AMI installations, and about 73% of total residential electric meters were AMI meters.

AMI includes meters that measure and record electricity usage at a minimum of hourly intervals and that provide the data to both the utility and the utility customer at least once a day. AMI installations range from basic hourly interval meters to real-time meters with built-in two-way communication that is capable of recording and transmitting instantaneous data.

The U.S. Energy Information Administration (EIA) does not publish data on natural gas meters or water meters.

Number and percentage share of AMI installations by sector, 2021				
Residential	Commercial	Industrial	Transportation	Total
104,237,855 (73%)	13,908,481 (69%)	574,726 (68%)	1,879 (55%)	118,722,741 (72%)

Learn more:

[Advanced metering count by technology type](#); counts by sector from 2013 through most recent year available

[Nearly half of all U.S. electricity customers have smart meters](#)

[The number of electric smart meters operating in two-way mode has surpassed the number of one-way smart meters](#)

[State policies drive growth in smart meter use](#)

[Smart grid legislative and regulatory policies and case studies](#)

Data on Advanced Metering Infrastructure (AMI) installations for individual utilities in [EIA-861 database files](#) (file: Advanced metering)

Information on [the Smart Grid Investment Grant program](#) under the American Recovery and Investment Act of 2009

Last updated: October 20, 2023.

Other FAQs about Electricity

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 - [How much does it cost to generate electricity with different types of power plants?](#)
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 - [How many power plants are in the United States?](#)
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 - [How much of U.S. carbon dioxide emissions are associated with electricity generation?](#)
 - [How much of U.S. energy production and consumption comes from renewable energy sources?](#)
 - [How many electric vehicles \(EV\) and EV charging stations are in the United States?](#)
 - [How is electricity used in U.S. homes?](#)
 - [How much electricity does an American home use?](#)
 - [How much electricity is used for lighting in the United States?](#)
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 - [What is U.S. electricity generation by energy source?](#)
 - [How much energy does the world consume by each energy end-use sector?](#)
 - [Does EIA publish energy consumption and price data for cities, counties, or by zip code?](#)
 - [How much does it cost to build different types of power plants in the United States?](#)
 - [Does EIA publish electricity sales and price data by state and by utility?](#)
 - [How much of world energy production and consumption is from renewable energy?](#)
 - [Does EIA publish the location of electric power plants and transmission lines?](#)
 - [Can electric utility customers choose their electricity supplier?](#)
 - [How much coal, natural gas, or petroleum is used to generate a kilowatthour of electricity?](#)
 - [Does EIA have data on each power plant in the United States?](#)
 - [What types and amounts of energy are produced in each state?](#)
 - [Does EIA have county-level energy production data?](#)
 - [Does EIA have data on costs for electricity transmission and distribution?](#)
 - [Does EIA have forecasts or projections for energy production, consumption, and prices for individual states?](#)
 - [How much electricity is used for air conditioning in the United States?](#)
 - [Does EIA have information on unplanned disruptions or outages of U.S. energy infrastructure?](#)
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