

# US. Energy Information Administration



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# Overview of U.S. Federal Statistical System

- The US decentralized system includes about 100 agencies.
  - A substantial portion of official statistics are produced by 10 agencies (about 40% of roughly \$2B annual statistical budget).
  - Other 90 produce official statistics, evaluate programs, measure customer satisfaction, etc.
  - EIA is one of 14 principal federal statistical agencies recognized by the Office of Management and Budget.

[www.eia.gov](http://www.eia.gov)

EIA is the official source for energy information from the federal government.

Established by the Department of Energy Organization Act, 1977

Independent agency

375 federal employees  
and about 250 contractors



# EIA Is A Statistical Agency

Does not participate in rule making or regulation.

EIA disseminates data, reports, web products press releases and maps.

Prepares service reports at the request of Congress to answer questions related to proposed policies.



# What Data We Collect

EIA operates approximately 65 surveys

<http://www.eia.gov/survey/>

- Petroleum (29)
- Natural gas (8)
- Electric power (5)
- Uranium (8)
- Coal (7)
- Renewable Energy (3)
- Energy Consumption (3)
- Greenhouse gases (2)
- Alternative fuels (1)



# EIA Impacts Energy Markets

## Natural Gas Markets Rely Heavily on EIA Weekly Data



## Weekly Products and Services

- Weekly Natural Gas Storage Report <http://ir.eia.gov/ngs/ngs.html>
- This Week in Petroleum <http://www.eia.gov/petroleum/weekly/>
- Coal News and Markets
- Natural Gas Weekly Update
- Weekly Coal Production Report
- Weekly Petroleum Status Report <http://www.eia.gov/petroleum/supply/weekly/>
- Gasoline and Diesel Fuel Update <http://www.eia.gov/petroleum/gasdiesel/>

## Monthly Products and Services

- Short-Term Energy Outlook [www.eia.gov/steo](http://www.eia.gov/steo)
- Natural Gas Monthly <http://www.eia.gov/naturalgas/monthly/>
- Electric Power Monthly
- Petroleum Supply Monthly
- Petroleum Marketing Monthly <http://www.eia.gov/petroleum/marketing/monthly/>
- Monthly Energy Review [www.eia.gov/mer](http://www.eia.gov/mer)
- Drilling Productivity Report [www.eia.gov/petroleum/drilling/](http://www.eia.gov/petroleum/drilling/)



# Other Products

- State Energy Profiles <http://www.eia.gov/state/>
- Country Energy Profiles
- Country Analysis Briefs <http://www.eia.gov/beta/international/>
- Energy In Brief  
<http://www.eia.gov/todayinenergy/index.cfm?tg=2012%20briefs>
- Today in Energy | [www.eia.gov/todayinenergy](http://www.eia.gov/todayinenergy)
- Energy Kids <http://www.eia.gov/KIDS/energy.cfm?page=about>



# CONSUMPTION & EFFICIENCY

Find statistics on energy consumption and efficiency across all fuel sources.

[+ EXPAND ALL](#)

- [▶ Residential Energy Consumption Survey data](#)
- [▶ Commercial Buildings Energy Consumption Survey data](#)
- [▶ Manufacturing Energy Consumption Survey data](#)
- [▶ Vehicle Energy Consumption Survey data](#)
- [▶ Energy intensity](#)
- [▶ Consumption summaries](#) Additional Formats

### Most requested energy consumption & efficiency data

#### Residential energy consumption

- [Household characteristics](#)
- [Home energy use & costs](#)
- [Detailed household microdata](#)

#### Commercial energy consumption

- [Building characteristics](#)
- [Commercial energy use & costs](#)
- [Detailed buildings microdata](#)

#### Manufacturing energy consumption

- [2010 data](#)
- [2006 data](#)
- [2002 data](#)
- [1998 data](#)

# COAL

*New Addition:* Use EIA's new interactive [Coal Data Browser](#) to find, graph, and map coal data. Data sets include production, imports and exports, shipments to electricity plants, and individual mine-level data. Maps include [world trade](#), [national](#), [basin](#), [state](#), and [supplier networks](#).

Find statistics on coal production, consumption, exports, imports, stocks, mining, and prices.

[+ EXPAND ALL](#)

- ▶ **Summary** Additional formats
- ▶ **Prices** Additional formats
- ▶ **Reserves**
- ▶ **Consumption** Additional formats
- ▶ **Production** Additional formats
- ▶ **Stocks** Additional formats
- ▶ **Imports, exports & distribution** Additional formats
- ▶ **Coal transportation rates**

### Most Requested Coal Data

- Prices**
- [Average sales prices](#)
- Production**
- [Production & number of mines](#)
  - [Productivity & employees](#)
- Reserves**
- Consumption**
- [By end-use sector](#)
  - [By end-use sector for Census division & state](#)
  - [At manufacturing plants](#)
- Stocks**
- Imports & Exports**

### Regular Weekly Releases\*

MONDAY

[Coal Markets](#) (\*Formerly Weekly NYMEX Coal Futures and Coal News & Markets)

# ELECTRICITY

OVERVIEW | DATA | ANALYSIS & PROJECTIONS

GLOSSARY | FAQs

Find statistics on electric power plants, capacity, generation, fuel consumption, sales, prices and customers.

EXPAND ALL

- ▶ Summary
- ▶ Sales (consumption), revenue, prices & customers
- ▶ Net metering
- ▶ Generation and thermal output
- ▶ Capacity of electric power plants
- ▶ Consumption of fuels used to generate electricity
- ▶ Receipts of fossil-fuels for electricity generation
- ▶ Average cost of fossil-fuels for electricity generation
- ▶ Fossil-fuel stocks for electricity generation
- ▶ Revenue and expenses
- ▶ Electricity transactions, reliability, transmission capacity
- ▶ Demand, load, capacity resources, and capacity margins
- ▶ Demand-side management program
- ▶ Electricity and the environment

## Interactive Electricity Data

browse pre-defined or custom data views, graph or map data series down to the plant level

Electricity data browser >

- OR -

create your own app with our new

API (now in beta) >

## Detailed and historical electricity data by survey

- State-level
- Sales and revenue
- Generating capacity
- Power plant operating data
- see more...

# Researcher Restricted Access Program - Evaluate

- Survey data is available for access under restricted terms and conditions.
- Must be US citizen, graduate students must have a supervising professor.
- Research proposal and request form are reviewed by the program office and Administrator's office.
- Is the research feasible? What other data are being merged? How resource intensive is the request? Will the survey data be useful?
- Is company level data necessary for this research?

# Researcher Restricted Access Program - Implement

- Research proposal and request form are approved – approx. 6 weeks
- Written agreement established with university. (4 – 6 weeks)
- Data are transmitted and stored on secure restricted access folders.
- Licensing agreements are for 2 years
- Need to provide a copy of paper or report for data protection review prior to publication
- Need to provide a copy of final paper or report that is publicly released.

# Data Protected Under the Confidential Information Protection and Statistical Efficiency Act

- Research must be done at EIA headquarters.
- All work done on “dummy” terminals in designated research area
- All output reviewed.
- Any software or data that needs to be installed must be provided prior to beginning work for testing and installation.

## For more information

U.S. Energy Information Administration home page | [www.eia.gov](http://www.eia.gov)

For restricted access to protected survey data  
contact: [Joseph.Conklin@eia.gov](mailto:Joseph.Conklin@eia.gov)

**For Energy Data & Statistics** [InfoCtr@eia.gov](mailto:InfoCtr@eia.gov)

Our average response time is within three business days.

- 24-hour automated information line about EIA and frequently asked questions (FAQs): (202) 586-8800
- **For Jobs** <http://www.eia.gov/about/careers/>