

An Introduction to EIA

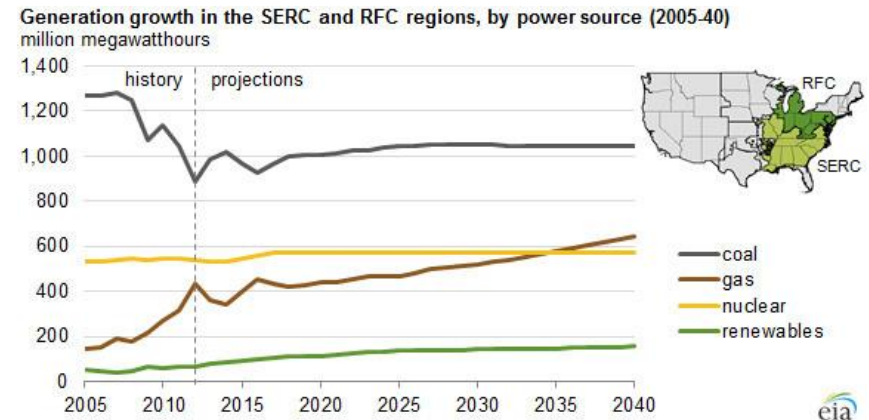
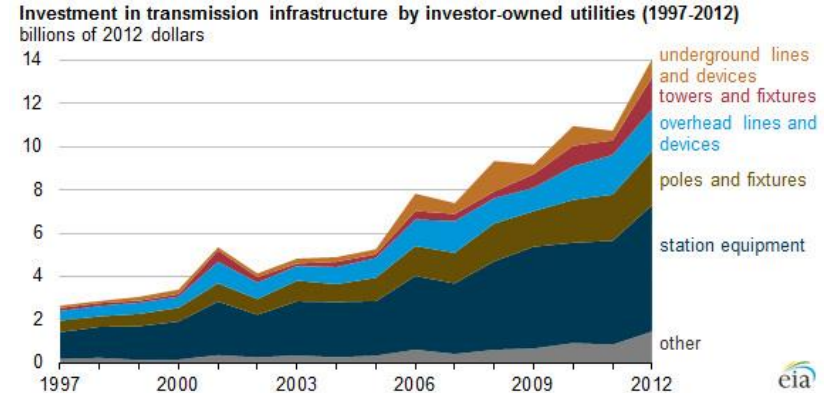


October 10, 2014/ Washington, DC

Steven Azzara, Director of State and Intergovernmental Outreach (contractor)

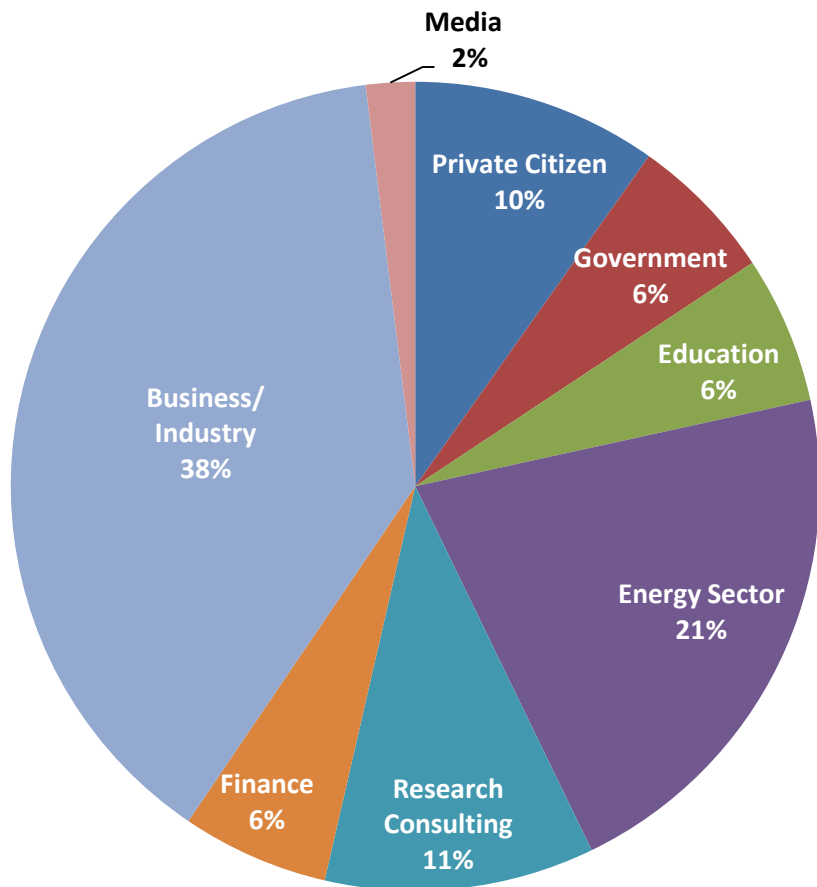
EIA mission: Independent statistics and analysis

- EIA collects, analyzes, and disseminates independent and impartial energy information to promote sound policymaking, efficient markets, and public understanding of energy and its interaction with the economy and the environment
- By law, data, analyses, and forecasts provided by EIA are policy neutral and independent of approval by any other officer or employee of the U.S. government



EIA information is used by a range of stakeholders

EIA's customers



Source: 2013 EIA Web Customer Survey

Examples of activities

Government

- Executive Agencies – WH, DOE, & EPA use EIA data to track energy markets and program performance and to analyze policy proposals
- Congress – policy development and agency funding
- State Governments – administer energy efficiency programs

Energy Sector

- Consumers – monitor price forecasts
- Producers – track inventory statistics

Business/Finance/Consulting

- Trade Associations – analyze energy sector trends
- Commodities Analysts – trade on supply data

Media

- Journalists – cite energy statistics

Education

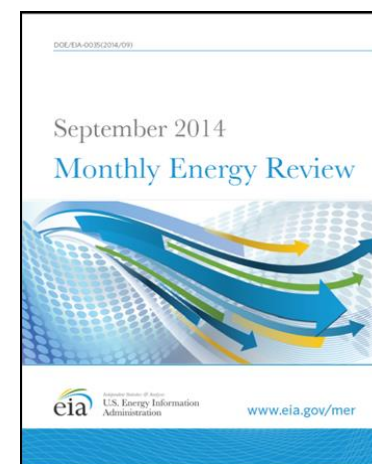
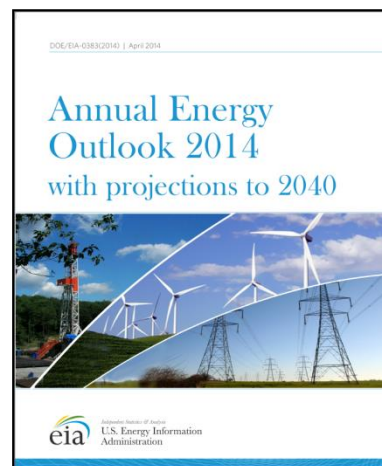
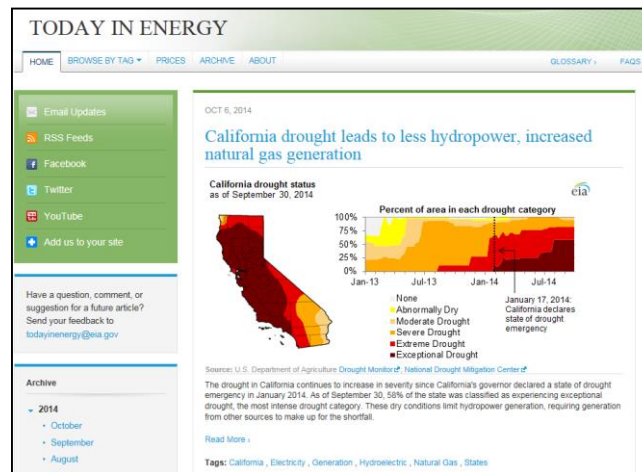
- Teachers – use Energy Kids materials
- Researchers – energy forecasting and modeling

Private Citizens

- Public – research energy prices and general energy education

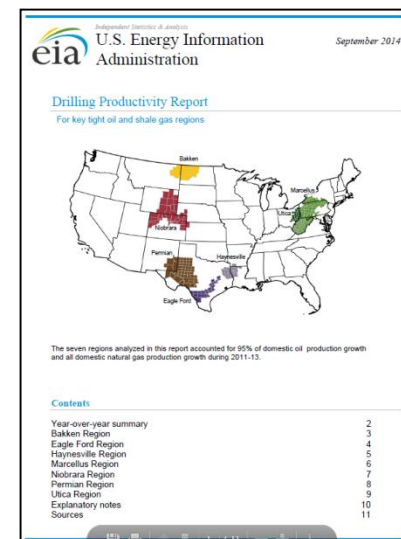
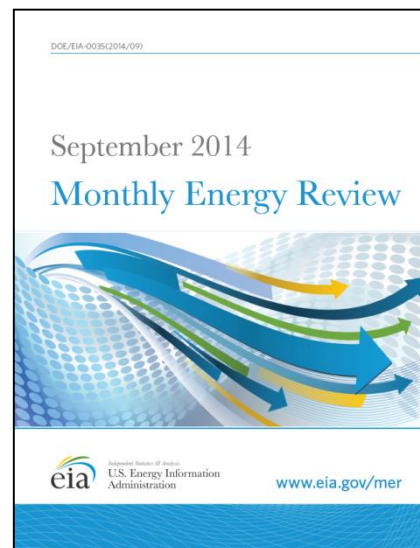
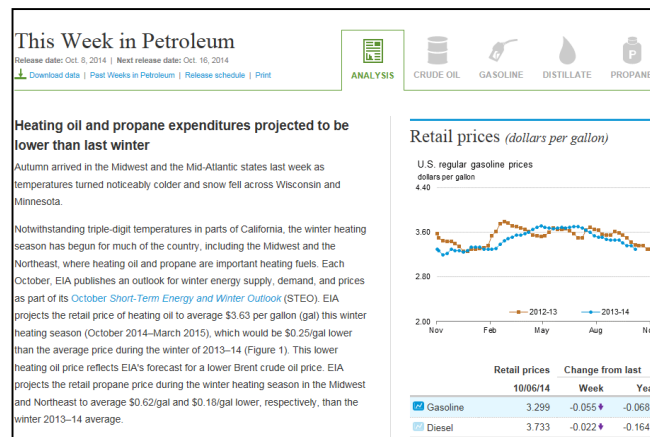
Reports and publications

- **Annual Energy Outlook**—Long-term energy projections to 2040; next report coming out in December 2014
- **Short Term Energy Outlook**—Updated monthly projections on U.S. energy supplies, demand, and prices through 2015
- **Today in Energy**—Short, timely articles with graphics on energy, facts, issues, and trends
- **Sales of Fossil Fuels Produced from Federal and Indian Lands; FY03 through FY13**—released annually



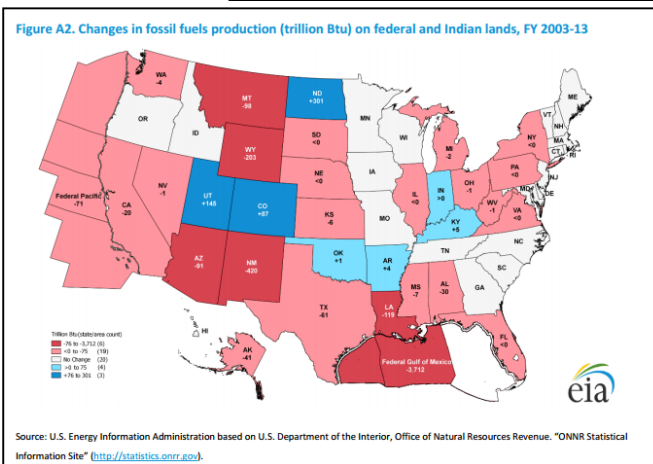
Reports and publications

- **Monthly Energy Review**—Latest monthly data includes total energy production, consumption, and trade; energy prices; overviews of petroleum, natural gas, coal, electricity, nuclear energy, renewable energy, and international petroleum; carbon dioxide emissions; and data unit conversion values
- **This Week in Petroleum**—Weekly analysis of what's happening in the petroleum sector. Includes the latest retail prices, inventory levels, production, and other information for crude oil, gasoline, diesel fuel, propane, and heating oil
- **Drilling Productivity Report**—Shows production estimates for major shale regions in the U.S.



Sales of Fossil Fuels Produced from Federal and Indian Lands; 2003-13 (www.eia.gov/analysis/requests/federallands/)

- EIA estimates that total sales of fossil fuels from production on federal and Indian lands decreased by 7% during fiscal year (FY) 2013
- Wyoming, the federal Gulf of Mexico, New Mexico, and Colorado together represented 86% of total production of natural gas on federal and Indian lands in FY 2013
- New Mexico ranked 1st in sales of crude oil and lease condensate production and 2nd out of all states in sales of natural gas production from federal and Indian lands in fiscal year (FY) 2013



Guided tour of EIA's home page

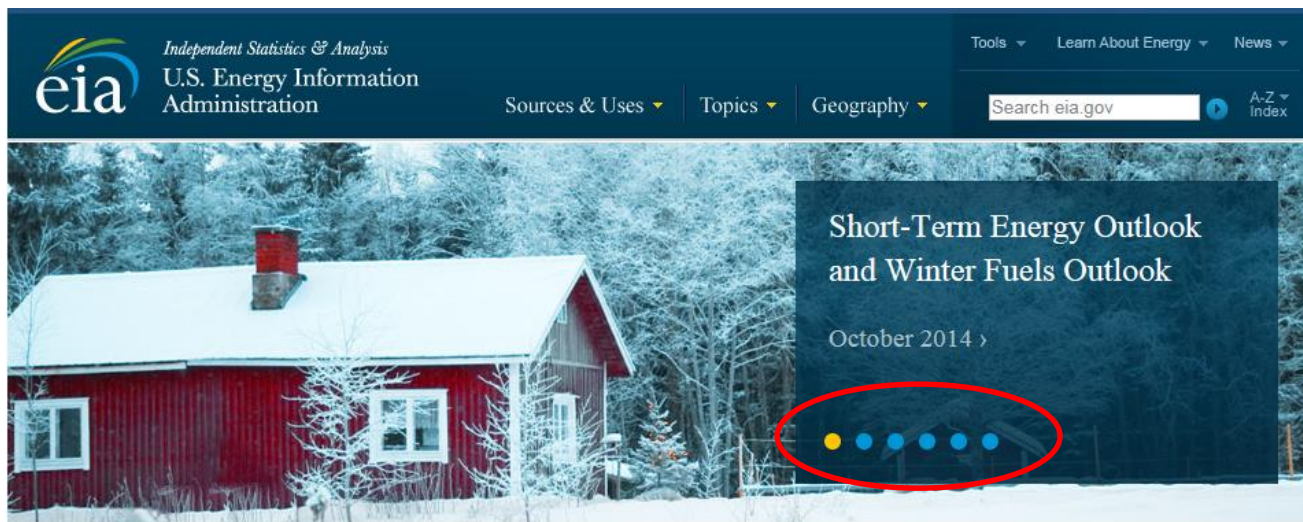
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- Web banners highlight recent topics and reports
- Pricing information updated daily and weekly
- *Today in Energy* articles with graphics on energy, facts, issues, and trends
- Information on new data or analysis releases
- Calendar of product and report releases

Navigation options include:

- Drop down boxes
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- Quick access to products and reports

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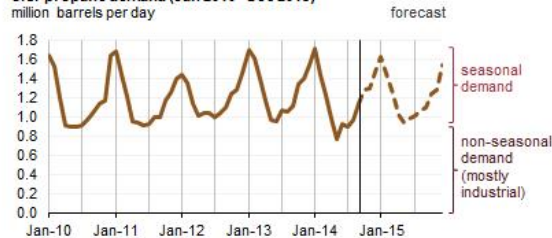
Today in Energy

Posted October 9, 2014

Lower petrochemical use of propane driven by wider price spread between propane and ethane ›

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U.S. propane demand (Jan 2010 - Dec 2015)



Source: EIA, *Short-Term Energy Outlook*, October 2014

Data Highlights

WTI crude oil futures price

10/8/2014: **\$87.31/bbl**

↓ \$3.42 from week earlier

↓ \$16.18 from year earlier

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10/3/2014: **361.7 mmbbl**

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Weekly coal production

9/27/2014: **19.933 million tons**

↑ 1.100 million tons from week earlier

↑ 0.833 million tons from year earlier

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Short-Term Energy Outlook and Winter Fuels Outlook

October 2014 ▸

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U.S. propane demand (Jan 2010 - Dec 2015)
million barrels per day



forecast

seasonal demand

non-seasonal demand (mostly industrial)

Source: EIA, *Short-Term Energy Outlook*, October 2014

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U.S. propane demand (Jan 2010 - Dec 2015)

million barrels per day



seasonal demand

non-seasonal demand (mostly industrial)

Source: EIA, *Short-Term Energy Outlook*, October 2014

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OCT 9, 2014

Lower petrochemical use of propane driven by wider price spread between propane and ethane

U.S. propane demand (Jan 2010 - Dec 2015)

million barrels per day

forecast

seasonal demand

non-seasonal demand (mostly industrial)

U.S. heating degree days (Jan 2010 - Dec 2015)

1,000

forecast

Source: U.S. Energy Information Administration, *Short-Term Energy Outlook*, October 2014

Note: [Product supplied](#) used as a proxy for propane demand.

Republished October 9, 9:45 a.m. to correct an error in the graph.

Propane demand ([measured as product supplied](#)) is expected to be 100,000 barrels per day (bbl/d) lower on average in 2014 compared to 2013 because of reduced demand from petrochemical plants, according to EIA's *Short-Term Energy Outlook*. In contrast to propane used as a heating fuel in buildings during colder months and as a crop-drying fuel during the harvest season, both of which are highly seasonal and weather dependent, petrochemical consumption of propane has relatively little seasonality.

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Tags: [Consumption](#) , [Ethane](#) , [Liquid Fuels](#) , [NGL \(Natural Gas Liquids\)](#) , [Prices](#) , [Propane](#)

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Western Regional Partnership
October 10, 2014

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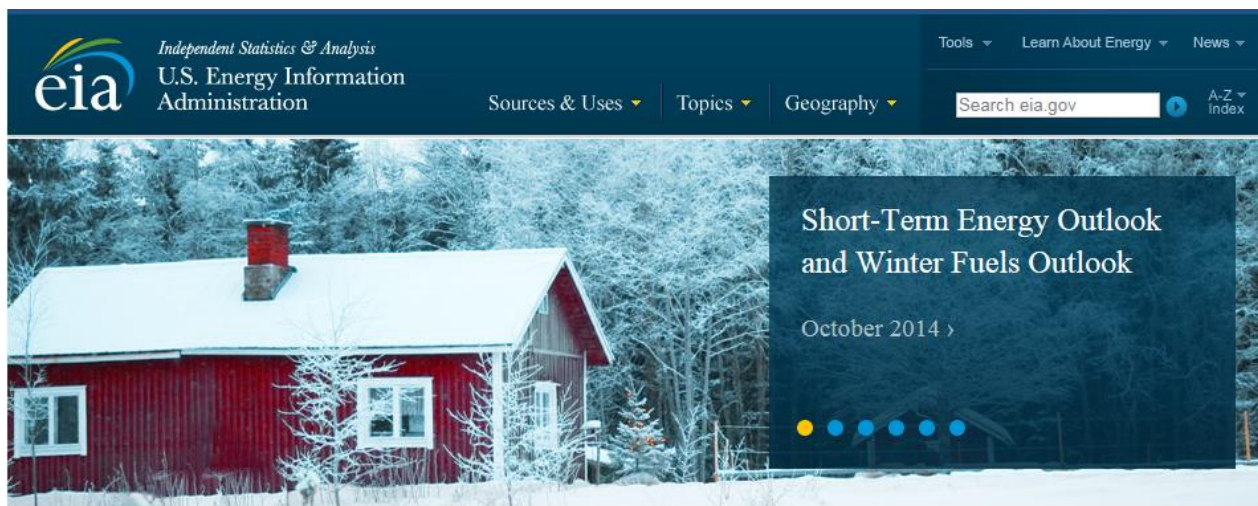
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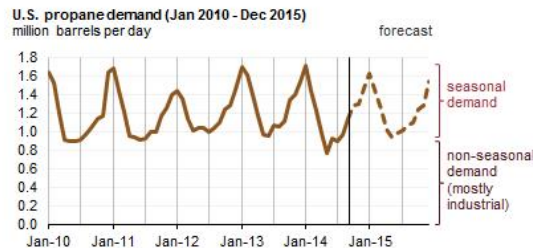
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COAL

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Quarterly Coal Report

 Release Date: October 08, 2014 | Next Release Date: January 16, 2015 | [FULL REPORT](#)

Previous Quarterly Coal Data

 historical data (PDF): [▶](#)

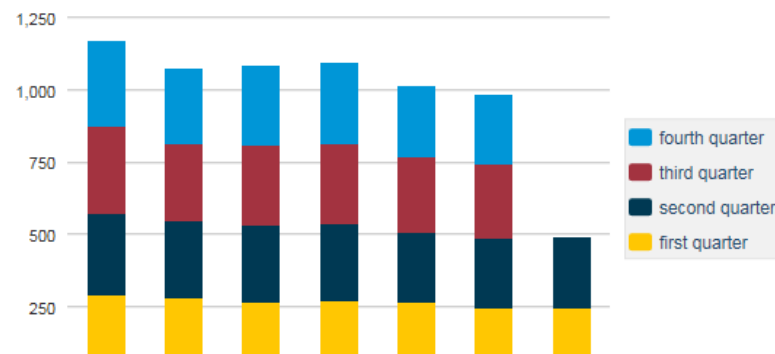
The Quarterly Coal Report (QCR) provides detailed quarterly data on U.S. coal production, exports, imports, receipts, prices, consumption, quality, stocks, and refined coal. Data on U.S. coke production, consumption, stocks, imports, and exports are also provided. All data for 2012 and prior years are final. All data for 2013 and 2014 are preliminary.





























Highlights for second quarter 2014:

- U.S. coal production during second quarter 2014 totaled 245.8 million short tons. This was 0.3% higher than the previous quarter, and 1.2% higher than second quarter 2013. Production in the Western Region, which represented about 53.4% of total U.S. coal production in second quarter 2014, totaled 131.4 million short tons (3.5% higher than second quarter 2013).

U.S. coal production by quarter

million short tons



Data Tables	Formats	
Summary		
ES1 U.S. Coal Summary Statistics	 PDF	 XLS
ES2 U.S. Coke Summary Statistics	 PDF	 XLS
ES3 Summary Statistics for Coal Refining Plants	 PDF	 XLS
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“What’s New” at EIA (www.eia.gov/about/new/)

WHAT'S NEW

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Oct 9, 2014

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Lower demand, higher supply drive oil prices to lowest level since 2012

Oct 8, 2014

The price of North Sea Brent crude oil has fallen to around \$91 per barrel, the lowest level in more than two years and about 21% lower than its year-to-date peak of \$115 per barrel on June 19. Before its recent decline, average monthly Brent spot prices had traded within a narrow \$5 per barrel range, from \$107 to \$112 per barrel, for 13 consecutive months through July 2014.

Quarterly Coal Report

Oct 8, 2014

U.S. coal production during second quarter 2014 totaled 245.6 million short tons. This was 0.3% higher than the previous quarter, and 1.2% higher than second quarter 2013. Second quarter 2014 U.S. coal exports (24.6 million short tons) dropped 16.6% from second quarter 2013, and dropped 11.4% from first quarter 2014. U.S. coal imports in second quarter 2014 increased to 3.5 million short tons from 2.4 million short tons in first quarter 2014. U.S. coal consumption totaled 212.9 million short tons in second quarter 2014; this was 14.4% lower than the 248.6 million short tons reported in first quarter 2014 and 1.7% lower than the 218.5 million short tons reported in second quarter 2013. All data for 2012 and prior years are final. All data for 2013 and 2014 are preliminary.

Within the past week

Short-Term Energy Outlook - Market Prices and Uncertainty Report

Oct 7, 2014

International crude oil prices fell in August and remain near their lowest levels of 2014. The North Sea Brent front month futures price settled at \$101.83/barrel on September 4, a decrease of \$3.01/barrel from August 1.

Short-Term Energy and Winter Fuels Outlook

Oct 7, 2014

EIA projects average U.S. household expenditures for natural gas, heating oil, electricity, and propane will decrease this winter heating season (October 1 through March 31) compared with last winter, which was 11% colder than the previous 10-year average nationally. Projected average household expenditures for propane and heating oil are 27% and 15% lower, respectively, because of lower heating demand and prices. Lower heating demand and higher prices contribute to

Regular Weekly Releases*

Monday

[Gasoline and Diesel Fuel Update](#) ›
4:00 - 5:00 p.m. Eastern Time

[Coal News and Markets](#) ›
By 5:00 p.m. Eastern Time

[NYMEX Coal Futures](#) ›
By 5:00 p.m. Eastern Time

Tuesday

No weekly releases

Wednesday

[Weekly Petroleum Status Report](#) ›
After 10:30 a.m. Eastern Time

[This Week in Petroleum](#) ›
1:00 p.m. Eastern Time

[Heating Oil and Propane Update](#) ›
1:00 p.m. Eastern Time (Oct - March)

Thursday

[Weekly Natural Gas Storage Report](#) ›
10:30 a.m. Eastern Time

[Natural Gas Weekly Update](#) ›
2:00 - 2:30 p.m. Eastern Time

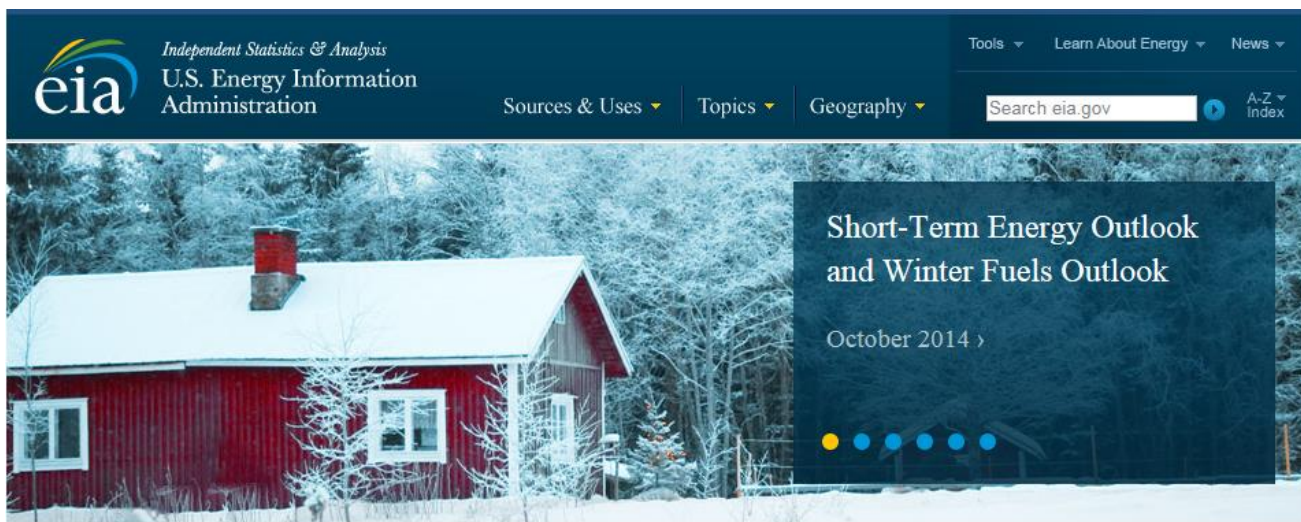
[Weekly Coal Production](#) ›
By 5:00 p.m. Eastern Time

Friday

No weekly releases

*Releases change on weeks with Federal holidays

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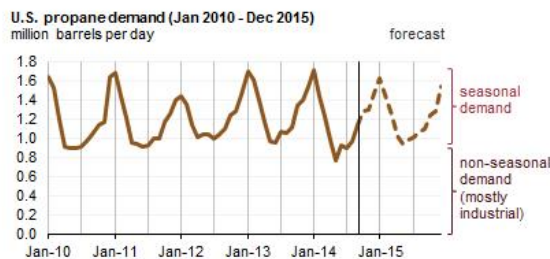
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Upcoming data releases (www.eia.gov/reports/upcoming.cfm)



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UPCOMING REPORTS & PUBLICATIONS

Annual

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- [The Availability and Price of Petroleum and Petroleum Products Produced in Countries Other Than Iran](#)
- [Crude Oil Imports From Persian Gulf](#)
- [Outlook for Refinery Outages and Available Refinery Capacity](#)
- [U.S. Energy-Related Carbon Dioxide Emissions](#)
- [U.S. Fuel Ethanol Plant Production Capacity](#)

NOVEMBER 2014

- [Annual Coal Distribution Report](#)
- [Annual Coal Report](#)
- [Electric Power Annual](#)
- [Electric Sales, Revenue, and Average Price](#)
- [Fuel Oil and Kerosene Sales](#)
- [Natural Gas Annual](#)
- [Solar Photovoltaic Cell/Module Shipments Report](#)
- [U.S. Coal Reserves](#)
- [U.S. Crude Oil and Natural Gas Proved Reserves](#)
- [Working and Net Available Shell Storage Capacity](#)

DECEMBER 2014

- [Annual Energy Outlook \(Early Release\)](#)
- [Natural Gas Annual](#)

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- [Lower petrochemical use of propane driven by wider price spread between propane and ethane](#)

Weekly/Monthly/Quarterly

WEEKLY


- [This Week in Petroleum](#)
Release Schedule: Wednesday @ 1:00 p.m. EST ([schedule](#))
- [Gasoline and Diesel Fuel Update](#)
Release Schedule: Monday between 4:00 and 5:00 p.m. EST ([schedule](#))
- [Weekly Petroleum Status Report](#)
Release Schedule: The [wpsrsummary.pdf](#), [overview.pdf](#), and Tables 1-14 in CSV and XLS formats, are released to the Web site after 10:30 a.m. (Eastern Time) on Wednesday. All other PDF and HTML files are released to the Web site after 1:00 p.m. (Eastern Time) on Wednesday. Appendix D is produced during the winter heating season, which extends from October through March of each year. For some weeks which include holidays, releases are delayed by one day. ([schedule](#))
- [Heating Oil & Propane Update \(October-March\)](#)
Heating Oil, Propane Residential and Wholesale Price Data
Release Schedule: Wednesday at 1:00 p.m. EST
- [Weekly Coal Production](#)
Release Schedule: Thursday by 5:00 p.m. EST
- [Weekly NYMEX Coal Futures](#)

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Rankings, layers of energy information, and state comparisons

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- [Short-Term Energy Outlook](#)
- [Annual Energy Outlook](#)
- [International Energy Outlook](#)

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September 22, 2014

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September 22, 2014


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- [Weekly Petroleum Status Report](#) »
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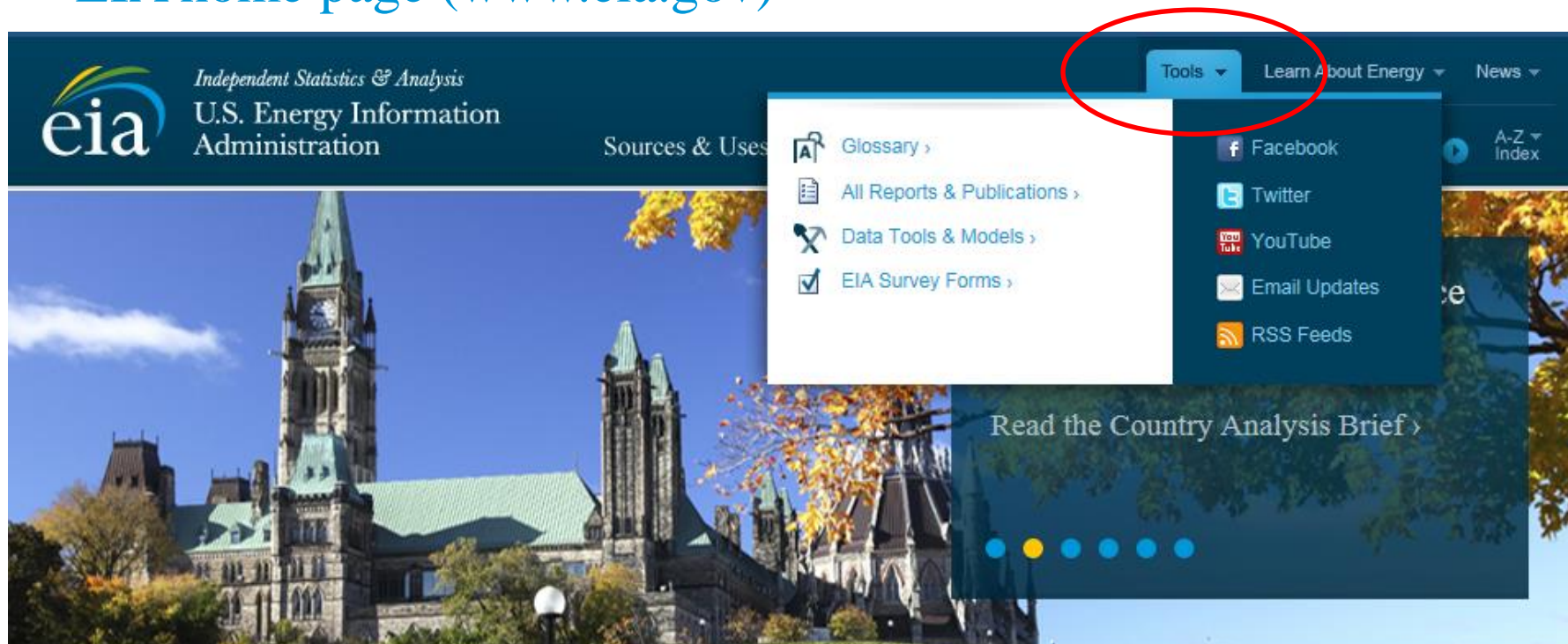
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October 8

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Today in Energy

Posted October 9, 2014

Lower petrochemical use of propane driven by wider price spread between propane and ethane ›

Propane demand is expected to be 110,000 barrels per day lower on average in 2014 compared to 2013 because of reduced demand from petrochemical plants, according to EIA's *Short-Term Energy Outlook*. In contrast to propane used as a heating fuel in buildings during colder months and as a crop-drying fuel during the harvest season, both of which are highly seasonal and weather dependent, petrochemical consumption of propane has relatively little seasonality. [More](#)›

Data Highlights

WTI crude oil futures price

10/8/2014: **\$87.31/bbl**

↓ \$3.42 from week earlier

↓ \$16.18 from year earlier

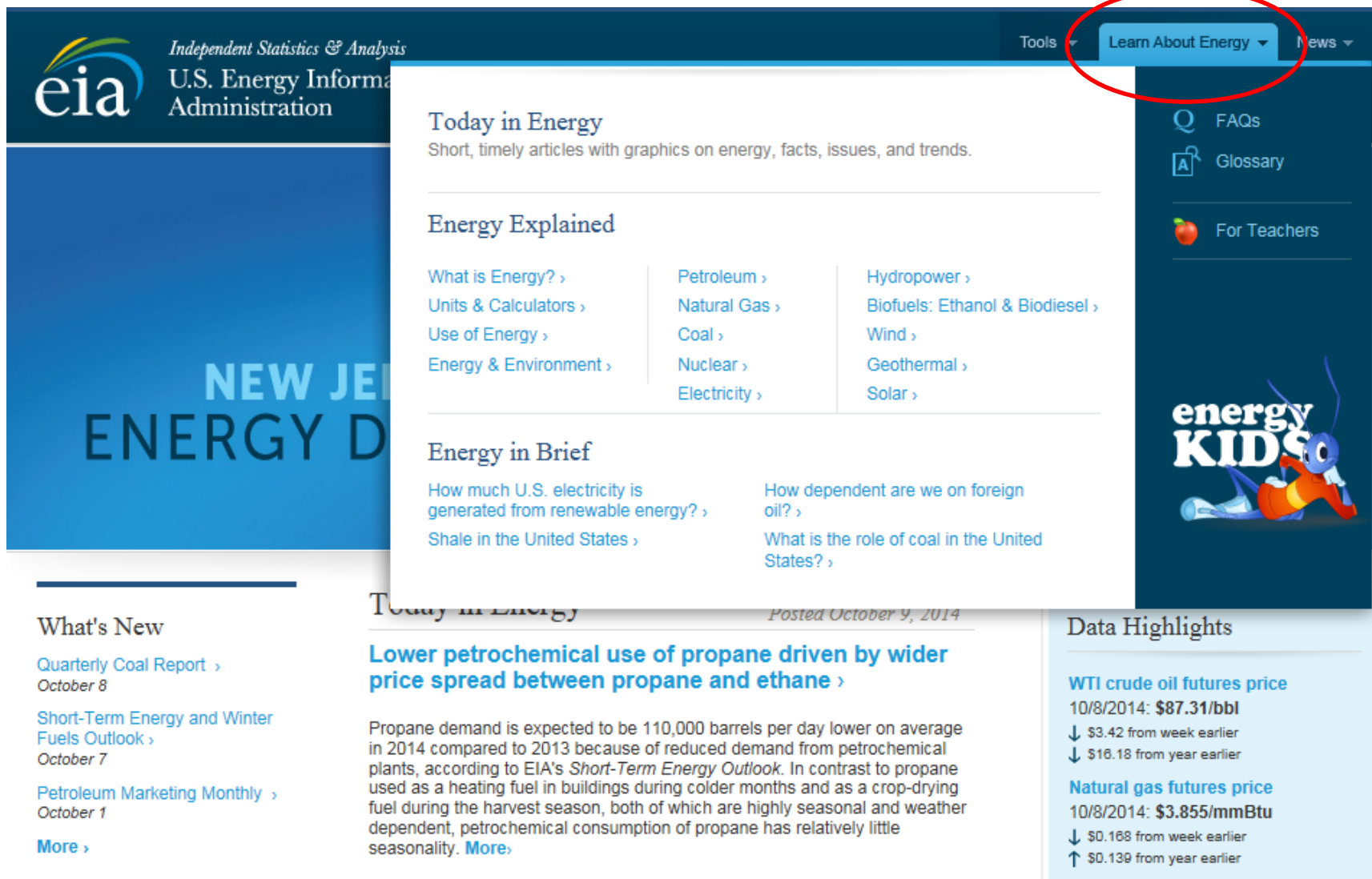
Natural gas futures price

10/8/2014: **\$3.855/mmBtu**

↓ \$0.168 from week earlier

↑ \$0.139 from year earlier

EIA home page (www.eia.gov)



The screenshot shows the EIA home page with a dark blue header. The EIA logo is on the left, followed by the text "Independent Statistics & Analysis" and "U.S. Energy Information Administration". On the right, there are links for "Tools", "Learn About Energy" (circled in red), and "News". Below the header, the main content area is divided into several sections. On the left, there's a large blue banner with the text "NEW JERSEY ENERGY DATA". In the center, there's a "Today in Energy" section with a sub-header "Short, timely articles with graphics on energy, facts, issues, and trends." Below this is an "Energy Explained" section with a grid of links: "What is Energy?", "Units & Calculators", "Use of Energy", "Energy & Environment", "Petroleum", "Natural Gas", "Coal", "Nuclear", "Electricity", "Hydropower", "Biofuels: Ethanol & Biodiesel", "Wind", "Geothermal", and "Solar". To the right of the main content is a sidebar with links for "FAQs", "Glossary", and "For Teachers", along with an "energy KIDS" logo. Below the main content, there's a "What's New" section with links for "Quarterly Coal Report", "Short-Term Energy and Winter Fuels Outlook", and "Petroleum Marketing Monthly". A "Data Highlights" section on the right shows "WTI crude oil futures price" and "Natural gas futures price" with their respective price changes.

Today in Energy
Short, timely articles with graphics on energy, facts, issues, and trends.

Energy Explained

What is Energy?	Petroleum	Hydropower
Units & Calculators	Natural Gas	Biofuels: Ethanol & Biodiesel
Use of Energy	Coal	Wind
Energy & Environment	Nuclear	Geothermal
	Electricity	Solar

Energy in Brief

How much U.S. electricity is generated from renewable energy?	How dependent are we on foreign oil?
Shale in the United States	What is the role of coal in the United States?

What's New

- [Quarterly Coal Report](#)
October 8
- [Short-Term Energy and Winter Fuels Outlook](#)
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Today in Energy
Posted October 9, 2014

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Energy Explained (www.eia.gov/energyexplained/)



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Energy Explained

Your Guide To Understanding Energy



Products Made from a Barrel of Crude Oil
A 42-U.S. gallon barrel of crude oil provides slightly more than 44 gallons of petroleum products. This gain from processing the crude oil is similar to what happens to popcorn, which gets

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U.S. primary energy consumption by source and sector, 2013

Primary energy consumption by source and sector, 2013
quadrillion Btu



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U.S. primary energy production by major source, 2013

quadrillion Btu



Source: U.S. Energy Information Administration, *Monthly Energy Review* (May 2014), 2013 data


- Most of the energy consumed in the United States

ENERGY IN BRIEF

ARTICLES ▾

EMAIL THIS PAGE PRINT


How much of the U.S. electricity supply comes from wind and how does that compare with other countries?



October 2, 2014

The United States leads all other countries in the amount of electricity generated by wind, a title it has held since 2008. U.S. wind power totaled nearly 168 million megawatt-hours during 2013, about three times more than the wind power generated in the United States in 2008. The top five global producers of electricity from wind also include China, Spain, Germany, and India.


Who are the major players supplying the world oil market?



September 30, 2014

The world oil market is complex. Governments as well as private companies play roles in moving oil from producers to consumers. Government-owned national oil companies (NOCs) control most of the world's proved oil reserves (78% in 2012) and oil production (58% in 2012). International oil companies (IOCs), which are often stockholder-owned corporations, make up the balance of global oil reserves and production.

What is the electric power grid, and what are some challenges it faces?



September 16, 2014

The U.S. power grid is the electrical system that connects electricity producers and consumers by transmission and distribution lines and related facilities. It has evolved into three large interconnected systems that move electricity around the country. Mandatory reliability standards have been developed by the electric power

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U.S. Energy Information Administration

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What's New?

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Today in Energy

Posted October 9, 2014

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PRESS ROOM

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Presentations for 2014

Previous Years:

EIA Winter Fuels Outlook

Subject: EIA, Energy Markets, Forecasts

Presented by: Adam Sieminski, Administrator

Presented to: NASEO
Washington, D.C.—October 7, 2014

The U.S. Oil and Natural Gas Production Outlook

Subject: EIA, Energy Markets, Forecasts

Presented by: Adam Sieminski, Administrator

Presented to: PRG Energy Outlook Conference
Washington, D.C.—September 22, 2014

International Energy Outlook 2014

Subject: EIA, Energy Markets, International, Forecasts

Presented by: Adam Sieminski, Administrator

Presented to: Columbia University Center on Global Energy Policy
Washington, D.C.—September 22, 2014

Supply, Demand, and Export Outlook for North American Oil and Gas

Subject: EIA, Energy Markets, Forecasts

Media Contacts

Jonathan Cogan
Email: Jonathan.Cogan@eia.gov
Phone: 202-586-8719

Office of Communications
Email: Infoctr@eia.gov

Subject Matter Experts

Today in Energy

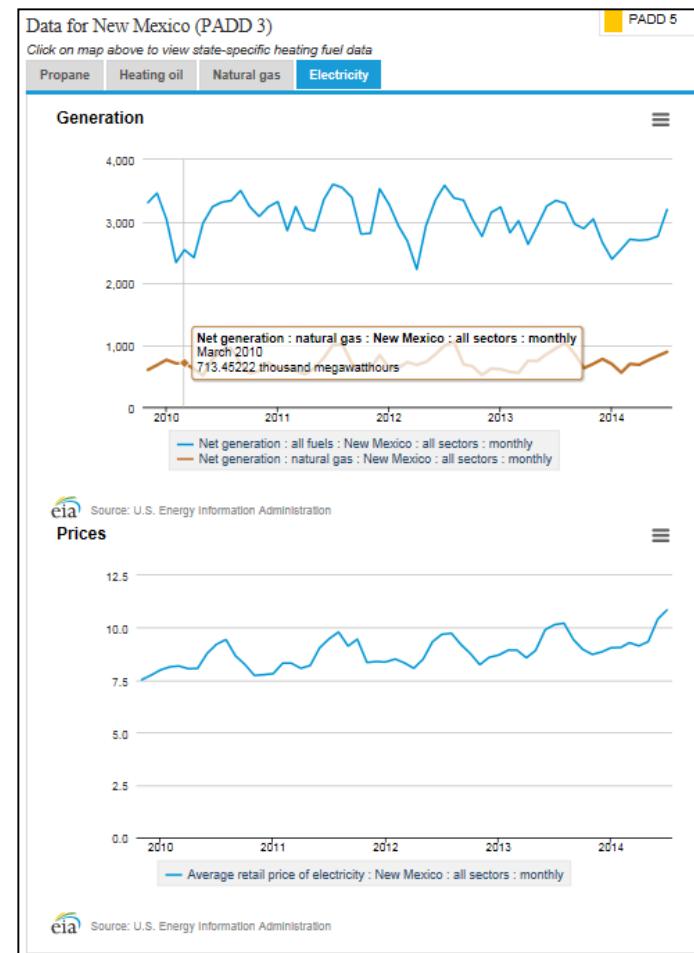
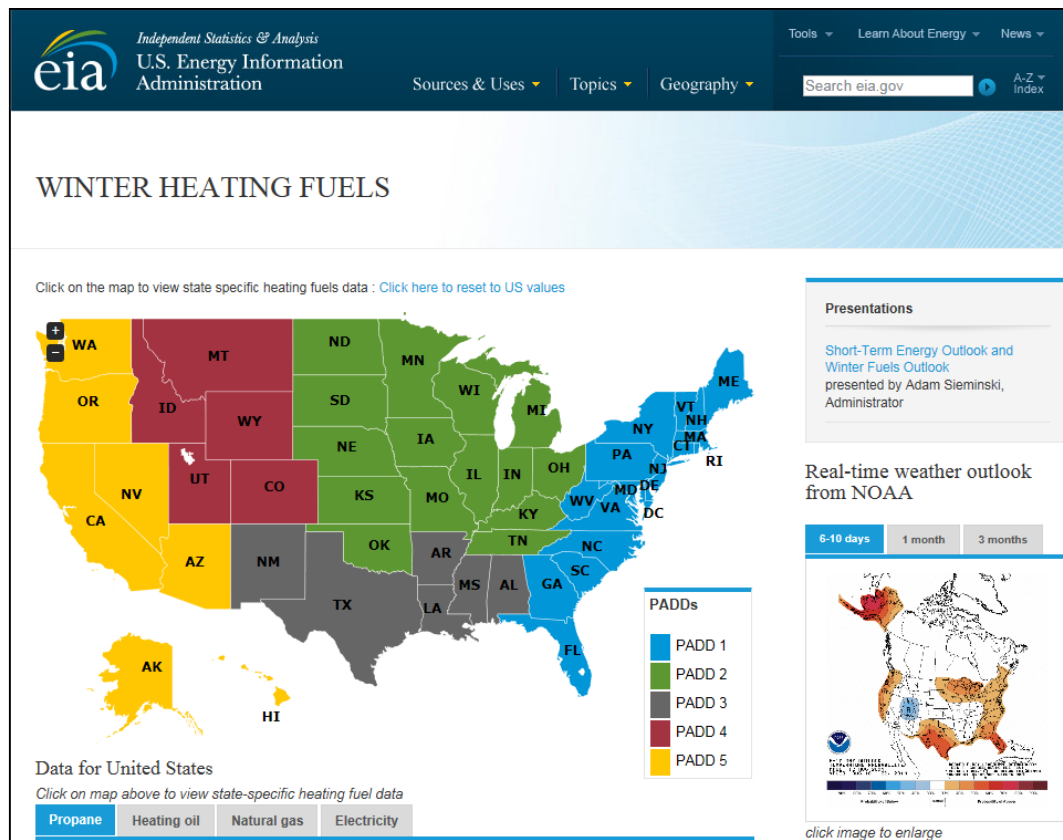
Energy Analysis Every Weekday

Lower petrochemical use of propane driven by wider price spread between propane and ethane



[See More >](#)

Winter heating fuels page (www.eia.gov/special/heatingfuels/)



EIA home page (www.eia.gov)



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State Energy Profiles

Updated narratives and data tables, maps, rankings >

What's New

[Ecuador Country Analysis Brief](#),
January 16

[Natural Gas Production
Lookback 2013](#),
January 16

[State Energy Profiles: New Data
for October and November
2013](#),
January 16

[More >](#)

Today in Energy

Posted January 22, 2014

Oil and natural gas import reliance of major economies projected to change rapidly >

The 2014 Annual Energy Outlook projects declines in U.S. oil and natural gas imports as a result of increasing production from tight oil and shale plays. U.S. liquid fuels net imports as a share of consumption is projected to decline from a high of 60% in 2005, and about 40% in 2012, to about 25% by 2016. The U.S. is projected to be a net exporter of natural gas by 2018. [More](#).

Changing import reliance (2010-20) natural gas



Japan



Data Highlights

WTI crude oil futures price

1/21/2014: **\$94.99/bbl**

↑ \$2.40 from week earlier

↓ \$0.57 from year earlier

Natural gas futures price

1/21/2014: **\$4.431/mmBtu**

↑ \$0.062 from week earlier

↑ \$0.865 from year earlier

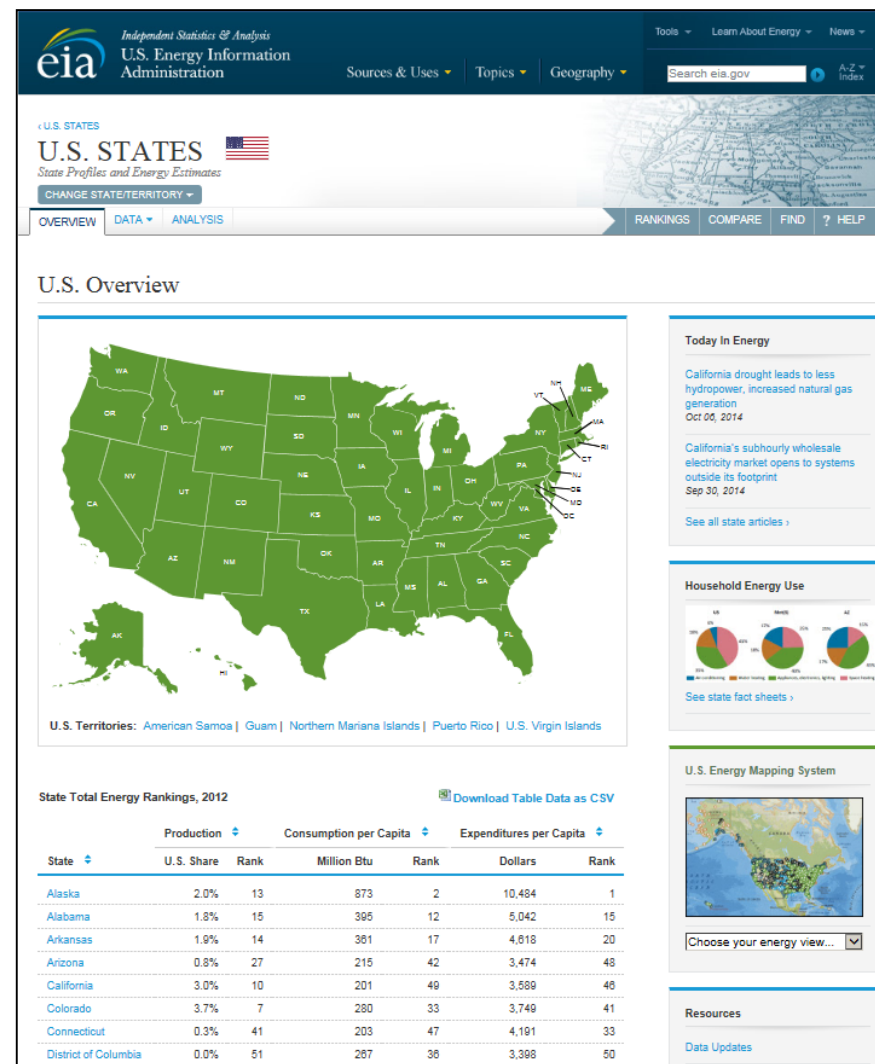
Retail gasoline price

1/20/2014: **\$3.296/gal**


State energy portal

www.EIA.gov/state

- Access to detailed data on energy consumption, supplies, and prices
- Customized graphs, charts, and maps
- Related articles on energy issues affecting your state
- State energy data and rankings
- Coming soon: Energy resource development on Tribal lands in 11 states
- Useful tools for exploring and understanding the data like:
 - State rankings
 - Side-by-side data comparisons
 - Easy to use, search and help functions



EIA state energy portal (www.eia.gov/state/)




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U.S. STATES


U.S. STATES 

State Profiles and Energy Estimates

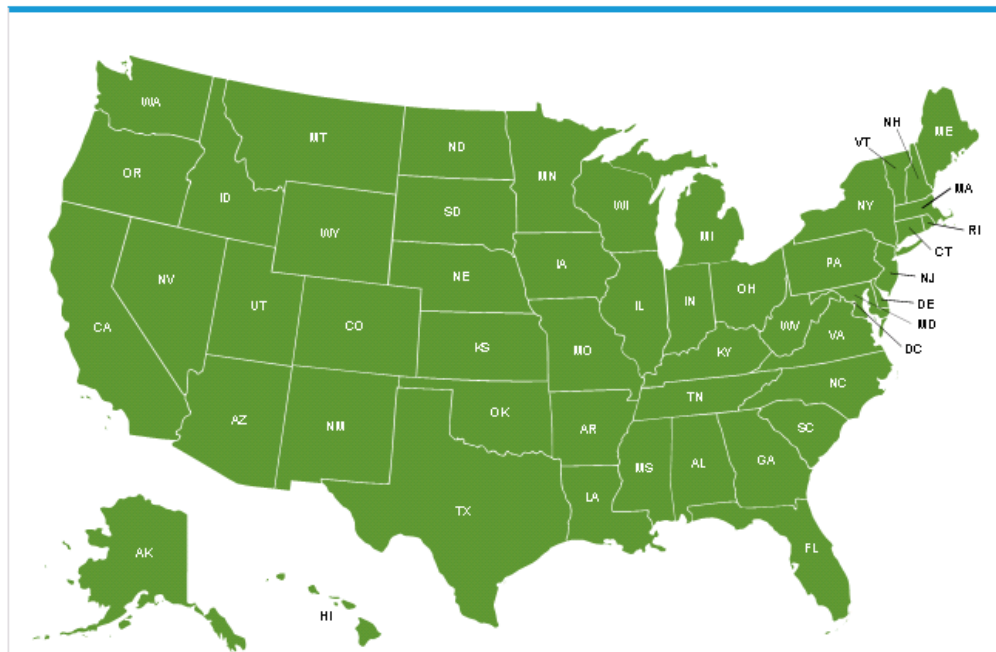
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RANKINGS COMPARE FIND ? HELP



U.S. Overview



Today In Energy

U.S. crude oil production growth contributes to global oil price stability in 2013

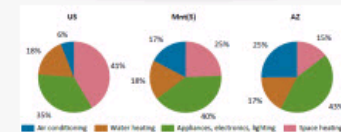
Jan 08, 2014

State Energy Profiles enhanced and renewables sections added

Dec 19, 2013

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Household Energy Use



[See state fact sheets >](#)

EIA state energy portal (www.eia.gov/state/)

State Total Energy Rankings, 2011

 [Download Table Data as CSV](#)

State	Production		Consumption per Capita		Expenditures per Capita	
	U.S. Share	Rank	Million Btu	Rank	Dollars	Rank
Alaska	2.1%	12	881	3	10,692	1
Alabama	1.8%	14	402	13	5,096	15
Arkansas	1.8%	15	380	17	4,780	21
Arizona	0.8%	27	221	44	3,474	50
California	3.4%	9	209	47	3,612	47
Colorado	3.5%	7	289	34	3,779	43
Connecticut	0.3%	41	207	49	4,284	31
District of Columbia	0.0%	51	291	33	3,871	41
Delaware	0.0%	49	299	30	4,357	28
Florida	0.7%	30	221	45	3,564	48

Federal offshore production is not included in the Production Shares.

[+ Display All States](#)

MORE STATE DATA & ANALYSIS

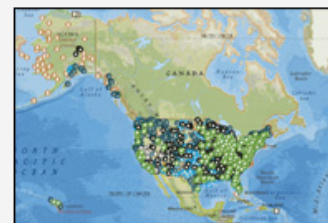
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- [State Nuclear Summaries](#)
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U.S. Energy Mapping System



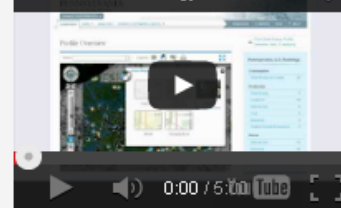
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[Notes & Sources](#)

EIA State Energy Portal



Play a short video to learn how to use this tool.

EIA state energy portal (www.eia.gov/state/)




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U.S. STATES 

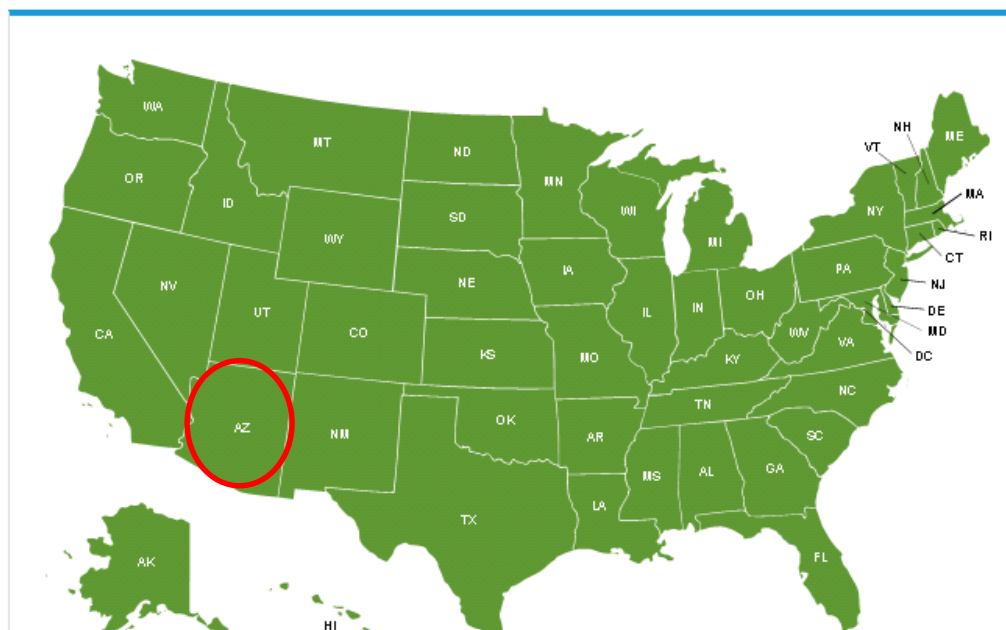
State Profiles and Energy Estimates

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U.S. Overview



Today In Energy

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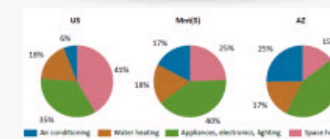
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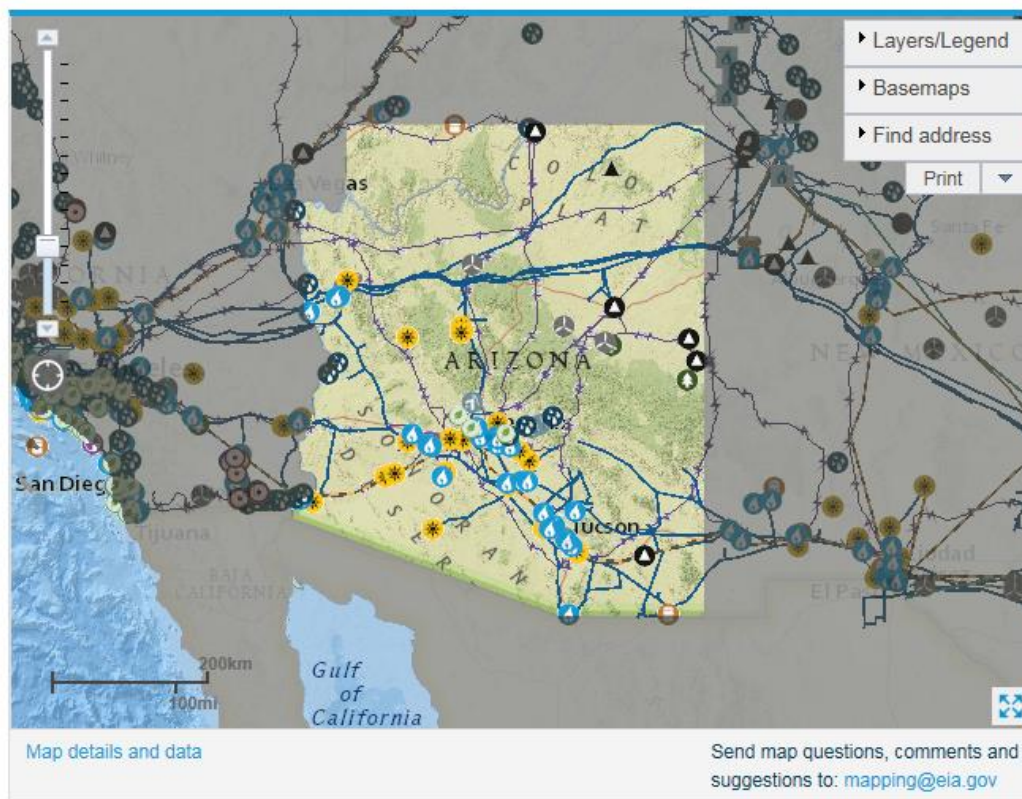
Arizona profile (www.eia.gov/state/?sid=AZ)

ARIZONA 
State Profile and Energy Estimates
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Profile Overview



 [Print State Energy Profile](#)
(overview, data, & analysis)

Arizona, U.S. Rankings

Consumption

Total Energy per Capita 42

Expenditures

Total Energy per Capita 48

Production

Total Energy 27

Crude Oil 30

Natural Gas 30

Coal 16

Electricity 12

Prices

Natural Gas 6

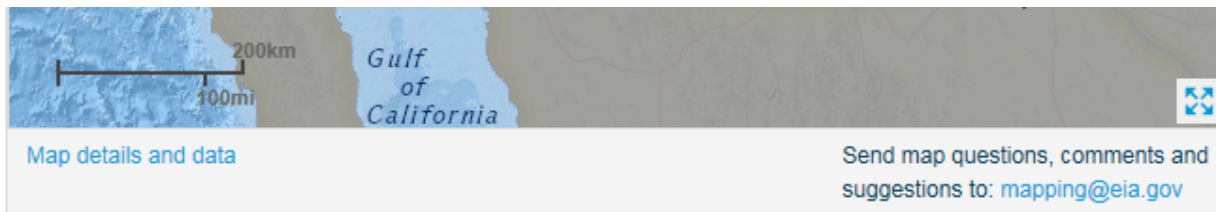
Electricity 27

Environment

Carbon Dioxide Emissions 22

[See more rankings >](#)

Arizona profile (www.eia.gov/state/?sid=AZ)



QUICK FACTS

- Arizona's Palo Verde Nuclear Generating Station, rated at 3,937 net megawatts, is the largest nuclear power plant in the nation.
- Arizona ranked second in the nation in utility-scale electricity generation from solar energy in 2013.
- Arizona, the 15th most populous state in 2012, ranked 43rd in per capita energy consumption, partly because of the state's small industrial sector.
- Arizona's only operating coal mine, Kayenta, on the Navajo and Hopi reservations, supplies the 7-to-8 million short tons burned annually by the Navajo Generating Station's three 750-megawatt units.
- Arizona's Renewable Environmental Standard requires 15% of the state's electricity consumed in 2025 to come from renewable energy resources; in 2013, 7.8 % of Arizona's net electricity generation came from renewable resources, primarily from the Glen Canyon and Hoover Dams.
- Twenty-five percent of the energy consumed in Arizona homes is for air conditioning, which is more than four times the national average of 6 percent, according to EIA's Residential Energy Consumption Survey.

Last Updated: August 21, 2014

Electricity 27

Environment

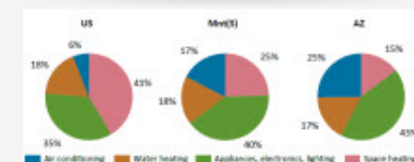
Carbon Dioxide Emissions 22

[See more rankings >](#)

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Household Energy Use

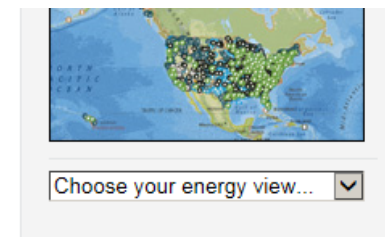
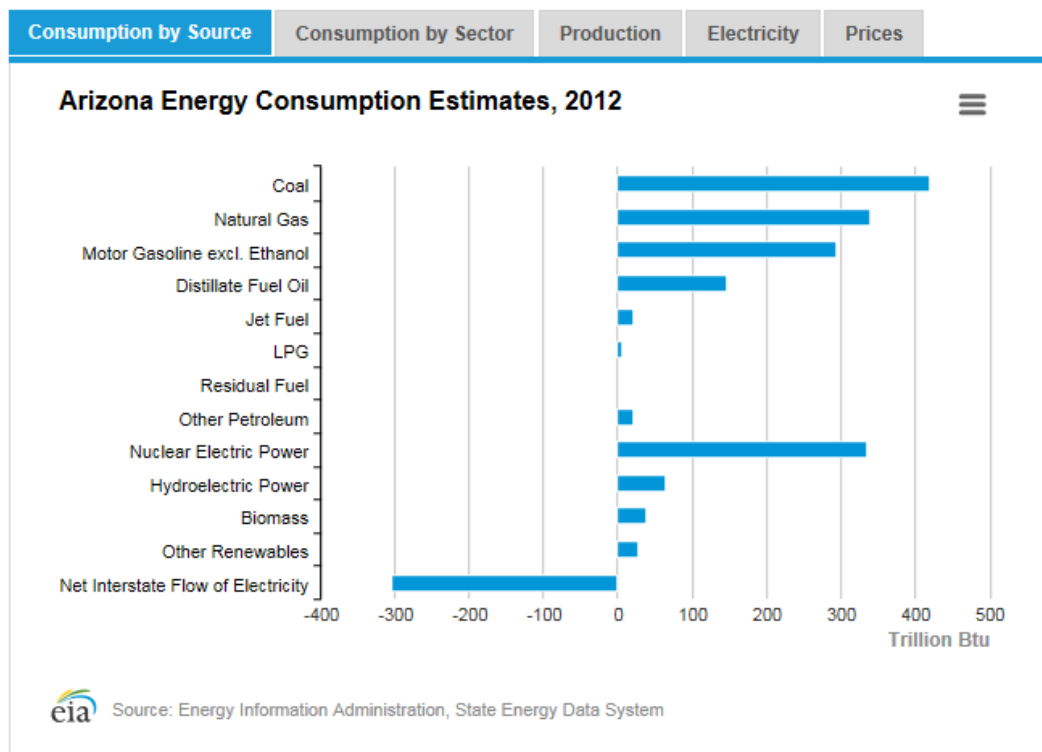


[See state fact sheets >](#)

U.S. Energy Mapping System



Arizona profile (www.eia.gov/state/?sid=AZ)



Other Resources

[\(Arizona\) Governor's Office of Energy Policy](#)

[Arizona Department of Mines and Mineral Resources](#)

[Arizona Department of Economic Security, Utility Assistance](#)

[Arizona Weatherization Program - Arizona Weatherization and Low-Income Energy Programs](#)

[Western Regional Partnership \(WRP\)](#)

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U.S. STATES

ARIZONA

State Profile and Energy Estimates

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OVERVIEW DATA ▾ ANALYSIS

RANKINGS COMPARE FIND ? HELP


Other Resources

Energy-Related Regions and Organizations

- Coal Region: Western
- Petroleum Administration for Defense District (PADD): 5
- North American Electric Reliability Corporation (NERC) Region: Western Electricity Coordinating Council (WECC)

Other Websites

- (Arizona) Governor's Office of Energy Policy
- Arizona Department of Mines and Mineral Resources
- Arizona Department of Economic Security, Utility Assistance
- Arizona Weatherization Program - Arizona Weatherization and Low-Income Energy Programs
- Western Regional Partnership (WRP)
- (Arizona) Governor's Office of Energy Policy, Renewable Energy
- Alternative Fuels and Advanced Vehicle Data Center - Federal and State Incentives and Laws
- Western Area Power Administration
- Benefits.Gov Energy Assistance (105)
- DSIRE - Database of State Incentives for Renewables and Efficiency
- National Association of Regulatory Utility Commissioners (NARUC)
- National Association of State Energy Officials (NASEO)
- National Conference of State Legislatures (NCSL)-Issues and Research - News Highlights: Issues and Research - Energy
- National Renewable Energy Laboratory (NREL)-Dynamic Maps, Geographic Information System (GIS) Data and Analysis Tools - Maps
- U.S. Geological Survey (USGS) Maps, Imagery, and Publications - Maps

 [Print State Energy Profile \(overview, data, & analysis\)](#)

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Arizona profile (www.eia.gov/state/?sid=AZ)

U.S. STATES
ARIZONA
State Profile and Energy Estimates

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OVERVIEW **DATA** ANALYSIS

Profile

- Energy Indicators
- Prices
- Reserves & Supply
- Distribution & Marketing
- Consumption & Expenditures
- Environment
- Energy Estimates (SEDS)
 - 1960-2012 Estimates
 - 2013 Update Schedule

Arizona, U.S. Rankings

Consumption

Total Energy per Capita	42
-------------------------	----

Expenditures

Total Energy per Capita	48
-------------------------	----

Production

Total Energy	27
Crude Oil	30
Natural Gas	30
Coal	16
Electricity	12

Prices

Natural Gas	6
Electricity	27

Environment

Carbon Dioxide Emissions	22
--------------------------	----

See more rankings >

Arizona profile data (www.eia.gov/state/data.cfm?sid=AZ#Prices)

ARIZONA State Profile and Energy Estimates

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OVERVIEW

DATA ▾

ANALYSIS

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Profile Data

 [Print State Energy Profile](#)
(overview, data, & analysis)

Last Update: September 18, 2014 | Next Update: October 16, 2014

Data in this section highlight only a small number of the many series available for this state. Use the "more" links on this page or the "Find" tool to access EIA's additional state-level data.

[+ EXPAND ALL](#)

Energy Indicators				
Prices				
Petroleum	Arizona	U.S. Average	Period	find more
Domestic Crude Oil First Purchase	--	\$ 98.70 /barrel	Jun-14	
Natural Gas	Arizona	U.S. Average	Period	find more
City Gate	\$ 5.20 /thousand cu ft	\$ 5.96 /thousand cu ft	Jun-14	find more
Residential	\$ 21.30 /thousand cu ft	\$ 16.06 /thousand cu ft	Jun-14	find more
Coal	Arizona	U.S. Average	Period	find more
 Average Sales Price	W	\$ 39.95 /short ton	2012	
 Delivered to Electric Power Sector	\$ 2.10 /million Btu	\$ 2.37 /million Btu	Jun-14	
Electricity	Arizona	U.S. Average	Period	find more
 Residential	12.43 cents/kWh	12.97 cents/kWh	Jun-14	find more
 Commercial	10.67 cents/kWh	10.94 cents/kWh	Jun-14	find more
 Industrial	7.11 cents/kWh	7.30 cents/kWh	Jun-14	find more
Reserves & Supply				

Arizona profile data (www.eia.gov/state/seds/seds-data-complete.cfm?sid=AZ)

ARIZONA 

State Profile and Energy Estimates

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State Energy Data System (SEDS): 1960-2012 (Complete)

Released: June 27, 2014 | Next Release: June 26, 2015

Comprehensive state-level estimates of energy production, consumption, prices, and expenditures by source and sector.

Estimates for 2013 and revisions for previous years by energy source will be released on the [SEDS Updates](#) page starting in October 2014.

CHANGE STATE

+ EXPAND ALL

▶ Consumption	All States	Arizona
▶ Prices & Expenditures	All States	Arizona
▶ Production	All States	Arizona
▶ Data Files	All States	Arizona


Arizona profile analysis (www.eia.gov/state/analysis.cfm?sid=AZ)

ARIZONA 
State Profile and Energy Estimates
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Profile Analysis

 [Print State Energy Profile \(overview, data, & analysis\)](#)

Last Updated: August 21, 2014

Overview

Arizona is the most populous state in the Mountain Census Division. The majority of the state's residents live in a few dense urban areas, leaving much of the state lightly populated and home to iconic vistas, from the Grand Canyon and Monument Valley on the semi-arid Colorado Plateau in the north and east, to the saguaro deserts among the narrow mountain chains and long, flat valleys of the Basin and Range region in the southwest. The Mogollon Rim, a steep walled escarpment up to 2,000 feet high and over 100 miles long, forms the southern boundary of the Colorado Plateau. It stretches diagonally across the state's midsection and is an area of high wind energy potential. South of this escarpment, the land transitions through rugged mountains to the lower desert. Altitudes vary from peaks 2 miles high in the north to nearly sea level in the river valleys of the southwest, giving Arizona mild winters in the south and mild summers in the north. Although most of the state is arid, higher elevations receive greater amounts of precipitation including significant snowfalls.









The mild winter weather draws seasonal residents and baseball's spring training Cactus League. About 1 in 14 homes is occupied only seasonally. The widespread use of air conditioning has allowed the state's year-round population to increase at rates rivaled only by Nevada in recent decades. The Basin and Range region is rich in minerals, and the state drew miners seeking gold, silver, and copper. Arizona still produces more copper than any other state, but the economy has diversified to include manufacturing, aerospace and defense, and agriculture. The state government is the largest employer, and the largest private employers are in the retail and finance sectors, so the economy is not energy intensive. Arizona's per capita energy consumption is among the lowest in the nation. The transportation sector is Arizona's largest energy consumer, followed by the residential sector. The industrial sector consumes the least energy.

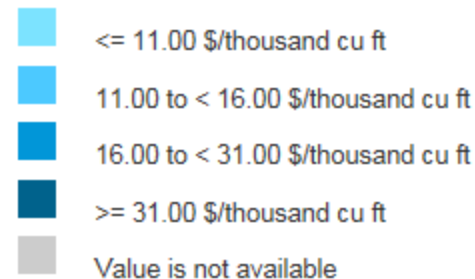
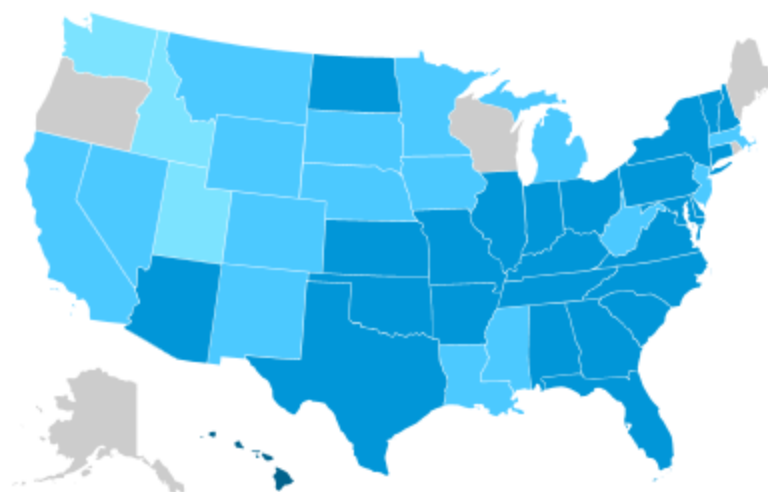
Transportation is the largest energy consuming sector in Arizona.

Arizona profile rankings (www.eia.gov/state/rankings/?sid=AZ)

Rankings: Natural Gas Residential Prices, June 2014 (\$/thousand cu ft)

 Download Table Data as CSV

Rank	State	Natural Gas Residential Prices (\$/thousand cu ft)	
1	Hawaii	52.40	
2	South Carolina	25.30	
3	North Carolina	24.37	
4	Georgia	24.19	
5	Florida	21.96	
6	Arizona	21.30	
7	Oklahoma	21.23	
8	Missouri	21.11	



Arizona profile rankings (www.eia.gov/state/rankings/?sid=AZ)

9	Kentucky	427	<div></div>
10	Indiana	426	<div></div>
11	Oklahoma	411	<div></div>
12	Alabama	395	<div></div>
13	Montana	390	<div></div>
13	Kansas	390	<div></div>
15	West Virginia	389	<div></div>
16	Mississippi	379	<div></div>
17	Arkansas	361	<div></div>
18	Minnesota	339	<div></div>
19	South Carolina	333	<div></div>
20	New Mexico	330	<div></div>
21	Idaho	325	<div></div>
21	Tennessee	325	<div></div>
23	Ohio	319	<div></div>
24	Wisconsin	303	<div></div>
25	Missouri	301	<div></div>
26	Illinois	300	<div></div>

Additional State Rankings

Consumption

- Total Energy per Capita

Expenditures

- Total Energy per Capita

Prices

- Natural Gas
- Electricity

Production

- Total Energy
- Crude Oil
- Natural Gas
- Coal
- Electricity

Environment

- Carbon Dioxide Emissions

[More State Ranking Tables >](#)

Notes & Sources

Consumption

- Total Energy per Capita: EIA, State Energy Data System, Total Consumption Per Capita

Arizona profile comparisons

(www.eia.gov/state/compare/?sid=AZ#?selected=US-AZ)

ARIZONA
State Profile and Energy Estimates

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Selected States Comparison

Select state(s): 6 of 52 selected

Download as CSV

	Period	US	AZ	CA
Reserves				
Crude Oil (million barrels)	2012	30,529	--	2,974
Dry Natural Gas (million barrels)	2012	308,036	--	1,999
Expected Future Recoverable (million barrels)	2012	10,777	--	99
Recoverable (million barrels)	2012	18,664	W	--
Rotary Rigs & Wells				
Rotary Rigs in Production	2013	1,761	0	38
Natural Gas Producing Wells (wells)	2012	482,822	5	1,423
Production				
Total Energy (trillion Btu)	2012	79,091	600	2,335
Crude Oil (thousand barrels)	Jun-2014	255,942	4	16,575
Natural Gas - Marketed (million cu ft)	2012	25,307,949	117	246,822
Coal (thousand short tons)	2012	1,016,458	7,493	--
Capacity				
Crude Oil Refinery Capacity (as of Jan. 1) (barrels/calendar day)	2013	17,823,659	0	1,954,971
Electric Power Industry Net Summer Capacity (MW)	Jun-2014	1,066,114	28,538	74,278
Net Electricity Generation				
Total Net Electricity Generation (thousand MWh)	Jun-2014	357,419	10,194	16,939
Net Electricity Generation (share of total)				

Arizona profile comparisons

(www.eia.gov/state/compare/?sid=AZ#?selected=US-AZ)

ARIZONA

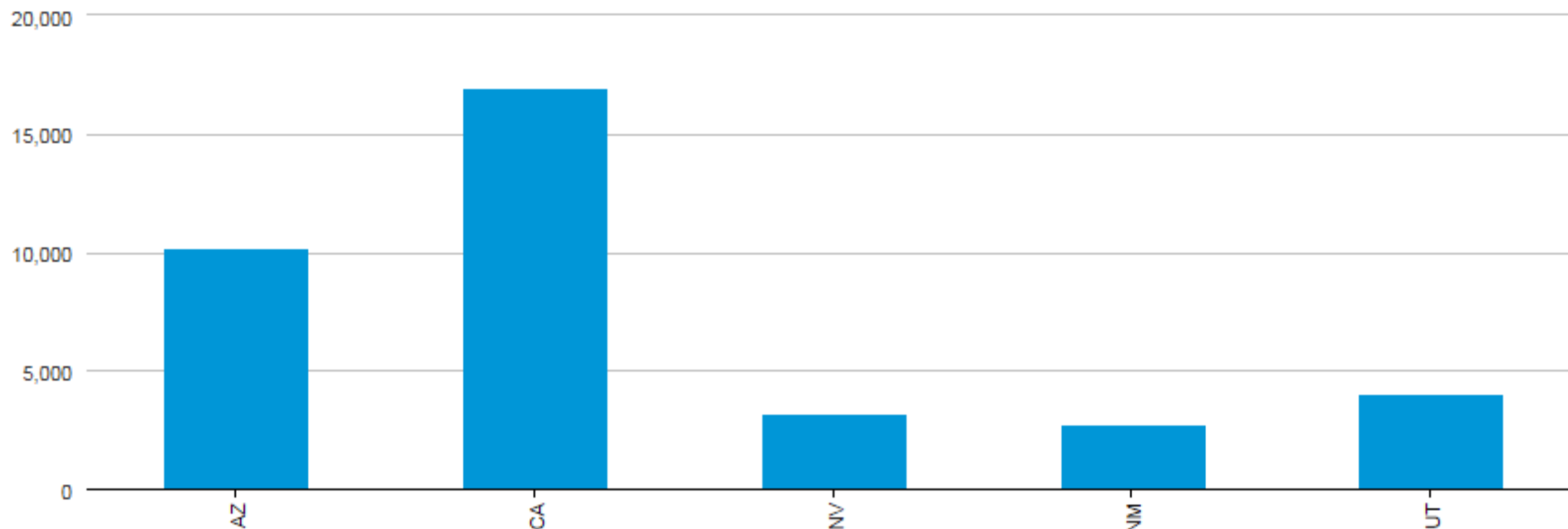


State Profile and Energy Estimates

CHANGE STATE/TERRITORY ▾

Total Net Electricity Generation, Jun-2014

thousand MWh



Source: U.S. Energy Information Administration

Arizona profile find function

(www.eia.gov/state/search/?sid=AZ#?2=184)

ARIZONA 
State Profile and Energy Estimates

CHANGE STATE/TERRITORY ▾

OVERVIEW DATA ▾ ANALYSIS

RANKINGS COMPARE **FIND** ? HELP

Find State Information

Filters

RESET 

State

Arizona ▾

Fuel / Energy Source

Natural Gas ▾

Energy Activity / Indicator

Sector / End Use

Subject

Advanced Filters ([Show](#))





















130 Results found for:

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Arizona | Natural Gas

Title ▾

☐ Show Referring Reports

	Data Frequency	Data	Time Series	Ranks	Analysis	Maps	Charts
Natural Gas Summary released: September 30, 2014	Monthly Annual						
Natural Gas Prices released: September 30, 2014	Monthly Annual						
Natural Gas Consumption by End Use released: September 30, 2014	Monthly Annual						
Analysis Summary - Arizona released: December 18, 2013							
Profile Overview - Arizona							
Natural Gas Annual Supply & Disposition by State released: September 30, 2014	Annual						
Consumption of Natural Gas for Electricity Generation by State by Sector released: September 25, 2014 Other formats:  xls	Monthly						
Net Generation from Natural Gas by State by Sector released: September 25, 2014 Other formats:  xls	Monthly						

Arizona profile find function

(www.eia.gov/dnav/ng/ng_cons_sum_dcu_sAZ_m.htm)

NATURAL GAS

OVERVIEW DATA ANALYSIS & PROJECTIONS

GLOSSARY > FAQs >

Natural Gas Consumption by End Use

(Million Cubic Feet)

Area: Arizona Period: Monthly

Download Series History Definitions, Sources & Notes								
Show Data By:	Graph	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	View History
<input checked="" type="radio"/> Data Series <input type="radio"/> Area	Clear							
Volumes Delivered to Consumers	<input type="checkbox"/>	NA	14,066	15,651	18,747	25,551	34,334	2001-2014
Residential	<input type="checkbox"/>	4,789	3,121	2,342	1,728	1,258	1,081	1989-2014
Commercial	<input type="checkbox"/>	3,215	2,848	2,531	2,246	1,919	1,831	1989-2014
Industrial	<input type="checkbox"/>	NA	2,481	1,856	1,790	1,592	1,655	2001-2014
Vehicle Fuel	<input type="checkbox"/>	144	159	154	159	154	159	2010-2014
Electric Power	<input type="checkbox"/>	9,727	5,456	8,767	12,824	20,627	29,608	2001-2014

- = No Data Reported; -- = Not Applicable; NA = Not Available; W = Withheld to avoid disclosure of individual company data.

Notes: Gas volumes delivered for use as vehicle fuel are included in the State annual totals through 2009 but not in the State monthly components. Estimates of gas volumes delivered for use as vehicle fuel are included in the State monthly totals for January 2010 forward. See Definitions, Sources, and Notes link above for more information on this table.

Release Date: 9/30/2014

Next Release Date: 10/31/2014

Arizona profile help (www.eia.gov/state/?sid=AZ)

U.S. Energy Information Administration

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- Use layers to control which information is mapped.

U.S. STATES

ARIZONA

State Profile and Energy Estimates

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OVERVIEW DATA ANALYSIS

Profile Overview

Map details and data

Send map questions, comments and suggestions to: mapping@eia.gov

Play the short video to learn how to use this tool. Click anywhere else to close these help tips.

Arizona, U.S. Rankings

Consumption	
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Natural Gas	8
Electricity	27
Environment	
Carbon Dioxide Emissions	22

[See more rankings >](#)

Click on a link to see how this state compares with all other states (interactive chart and map).

QUICK FACTS

- Arizona's Palo Verde Nuclear Generating Station, rated at 3,937 net megawatts, is the largest nuclear power plant in the nation.
- Arizona ranked second in the nation in utility-scale electricity generation from solar energy in 2013.
- Arizona, the 15th most populous state in 2012, ranked 43rd in per capita energy consumption, partly because of the state's small industrial sector.
- Arizona's only operating coal mine, Kayenta, on the Navajo and Hopi reservations, supplies the 7-to-8 million short tons burned annually by the Navajo Generating Station's three 750-megawatt units.
- Arizona's Renewable Environmental Standard requires 15% of the state's electricity consumed in 2025 to come from renewable energy resources; in 2013, 7.8 % of Arizona's net electricity generation came from renewable resources, primarily from the Glen Canyon and Hoover Dams.
- Twenty-five percent of the energy consumed in Arizona homes is for air conditioning, which is more

Key energy facts for this state.

Today In Energy

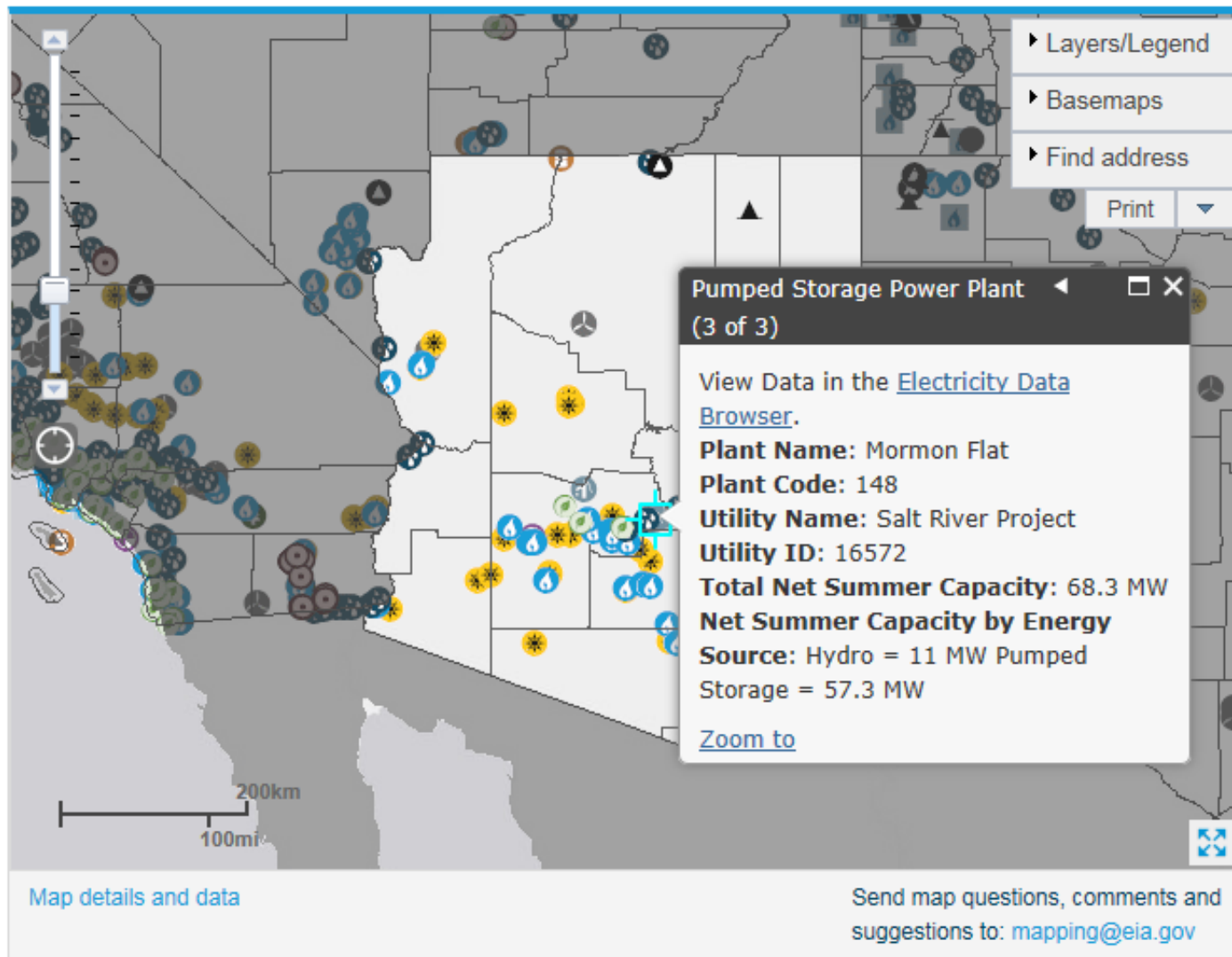
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Related articles from Today in Energy.

Household Energy Use

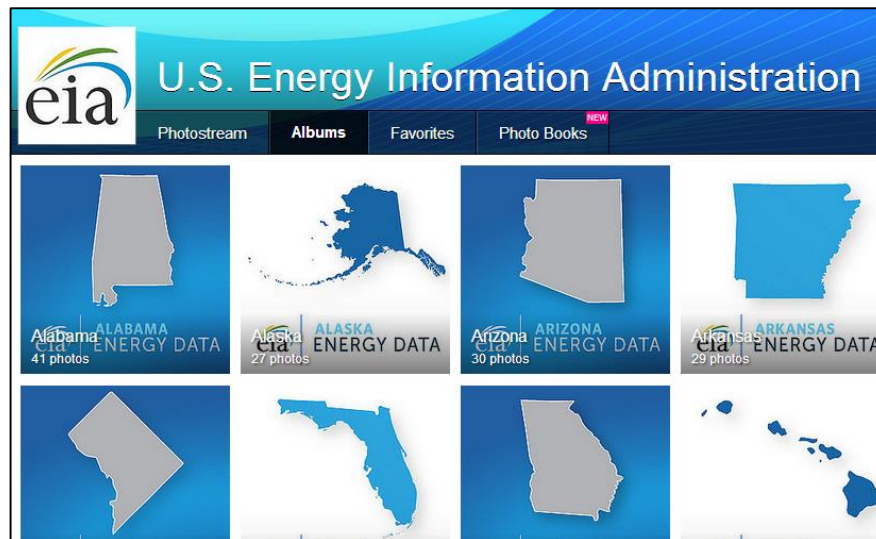
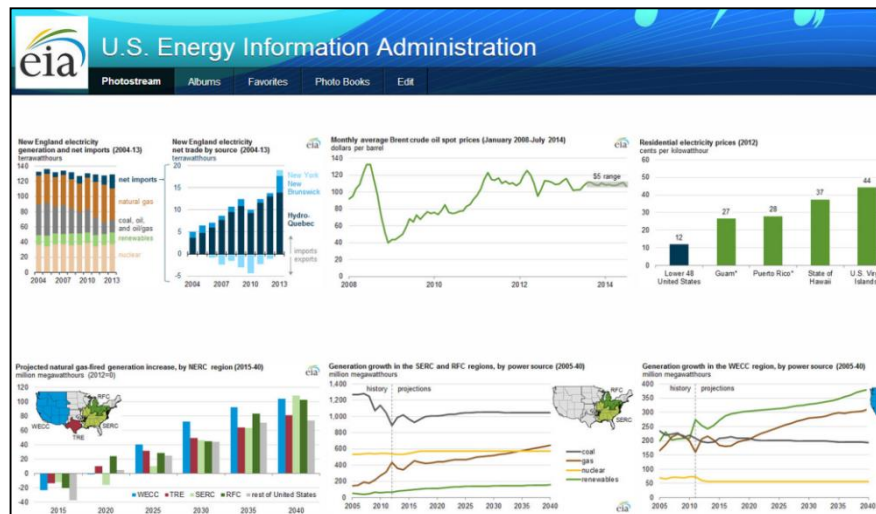
[See state fact sheets >](#)

Power plants in Arizona



Flickr (www.flickr.com/photos/eiagov/)

- EIA's Flickr account is the newest addition to the agency's social media program. It provides users with the ability to easily view and download EIA's data visualization products
- The 300+ images on EIA's Flickr page have collected more than 285,000 views since the launch of the Flickr page
- Images are organized by state and energy source



Twitter (www.twitter.com/eiagov)

- EIA releases five to eight Tweets a day
- EIA's Twitter account provides followers with timely information on energy topics and trends as EIA products are released
- Topics covered include energy prices, energy production, inventory levels, energy consumption and state-based energy information



Facebook (www.facebook.com/eiagov/)

- EIA's Facebook account provides facts and information pertaining to energy as it affects individuals and important takeaways from EIA's analytical products
- EIA posts once per day and features a new state energy profile every weekend
- Topics covered include EIA reports, data from EIA web pages, and state-based energy information



For more information

U.S. Energy Information Administration home page | www.eia.gov

Annual Energy Outlook | www.eia.gov/aeo

Short-Term Energy Outlook | www.eia.gov/steo

International Energy Outlook | www.eia.gov/ieo

Monthly Energy Review | www.eia.gov/mer

Today in Energy | www.eia.gov/todayinenergy

State Energy Portal | www.eia.gov/state

Drilling Productivity Report | www.eia.gov/petroleum/drilling/

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