

# Innovative Data Products



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*Winter Policy Summit*

*National Association of Regulatory Utility Commissioners*

*February 11, 2019 | Washington, DC*

*Dr. Linda Capuano, Administrator*

*U.S. Energy Information Administration*



Independent Statistics & Analysis  
 U.S. Energy Information  
 Administration

## The Nation's source of energy information

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.

## EIA's products are independent

By law, EIA's data, analyses, and forecasts are independent of approval by any other officer or employee of the United States Government.

The screenshot shows the EIA website interface. At the top, there is a navigation bar with the EIA logo, the text 'Independent Statistics & Analysis U.S. Energy Information Administration', and links for '+ Sources & Uses', '+ Topics', '+ Geography', '+ Tools', '+ Learn About Energy', and '+ News'. A search bar is located on the right side of the navigation bar.

The main content area features a large banner for the 'Monthly Energy Review' with the subtitle 'Recent energy statistics'. Below this, there are several sections:

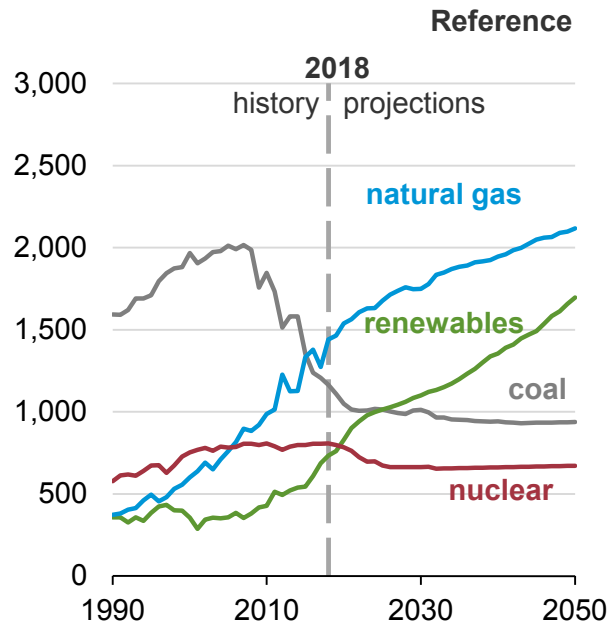
- What's New:** Lists recent reports such as 'Monthly Crude Oil and Natural Gas Production' (Jan 31, 2019), 'Wholesale Electricity Market Data' (Jan 31, 2019), and 'Natural Gas Monthly' (Jan 31, 2019).
- Today in Energy:** Headlined 'Congress retains most energy programs in 2018 Farm Bill through fiscal year 2023'. The text below states: 'On December 20, 2018, the Agricultural Improvement Act of 2018 (2018 Farm Bill) was signed into law, continuing federal support to a number of renewable electricity and bioenergy-related programs. Authorizations in the 2018 Farm Bill cover fiscal years (FY) 2019 through 2023, during which time energy programs will receive \$375 million in mandatory funding, with up to an additional \$500 million in discretionary funding. These spending levels represent a 46% decrease in mandatory funding and a 12% increase in discretionary funding compared with the 2014 Farm Bill. Even though discretionary spending increased, discretionary federal support is inherently uncertain because this funding must be authorized by Congress in future appropriations bills.'
- Coming Up:** Lists upcoming reports like 'Energy-Related Carbon Dioxide Emissions at the State Level, 2005-2016' and 'Underground Natural Gas Working Storage Capacity'.
- Data Highlights:** Provides key energy price and production metrics, such as 'WTI crude oil futures price' at \$53.78/barrel and 'Natural gas inventories' at 2,197 Bcf.
- Bar Chart:** Titled 'Farm bill energy title funding for fiscal years 2008-2023', showing funding in million dollars for three Farm Bills (2008, 2014, 2018). The chart compares mandatory and discretionary funding for various programs: rural energy for America program (REAP), bioenergy program for advanced biofuels, and bioenergy assistance program (BAP).

Source: EIA, based on Food, Conservation, and Energy Act of 2008; Agricultural Act of 2014; Agricultural Improvement Act of 2018.



# EIA data and modeled analysis of the U.S. energy industry

**Electricity generation from selected fuels**  
billion kilowatthours



Source: EIA Annual Energy Outlook 2019

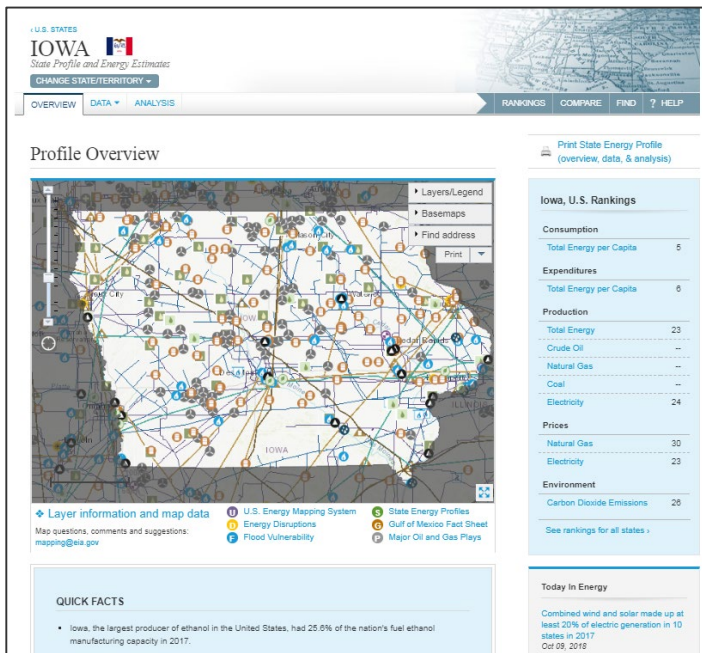
- Reliable statistics regarding natural gas and other fuels, electric generation and transmission, and relevant energy prices
- Detailed forecasts with extensive documentation to help understand short- and long-term energy trends
- Insightful analysis of energy issues, in broadly accessible formats

# EIA is innovating to meet emerging energy information needs

- U.S. States Portal
- Southern California Daily Energy Report
- New England Dashboard
- Natural Gas Storage Dashboard



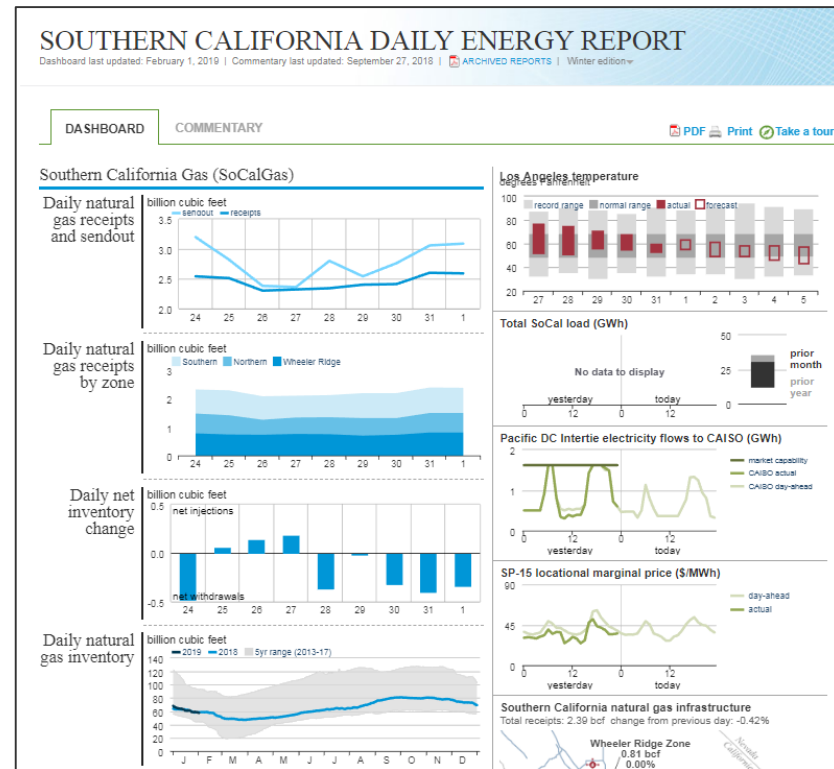
# EIA's States Portal summarizes state-related energy data on one convenient web page



- Interactive map of state energy data
- Relative state rankings on energy consumption, expenditures, production, prices and CO2
- Quick Facts
- Easy download and PDF printing
- Periodic updates and revisions

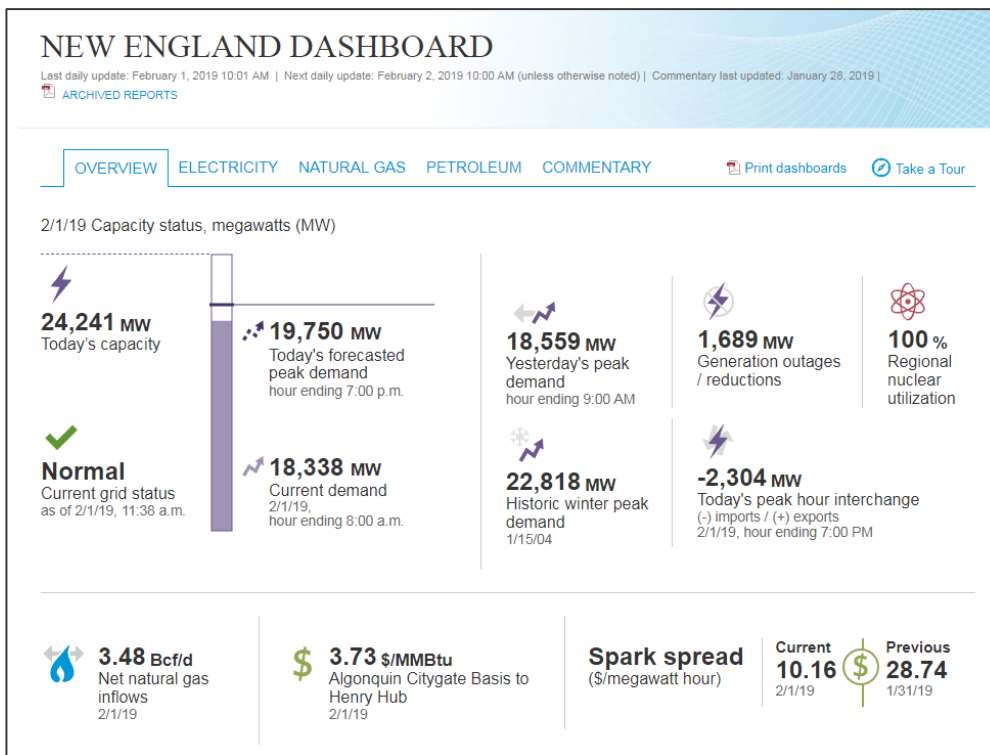
# The Southern California Daily Energy Report provides integrated, timely data about natural gas and electricity

- Focuses on regional peak electricity and natural gas delivery constraints
- Integrates multiple sources to provide daily, geographically focused information related to constraints and market results
- Presented in a dense “dashboard” style to maximize contextual data

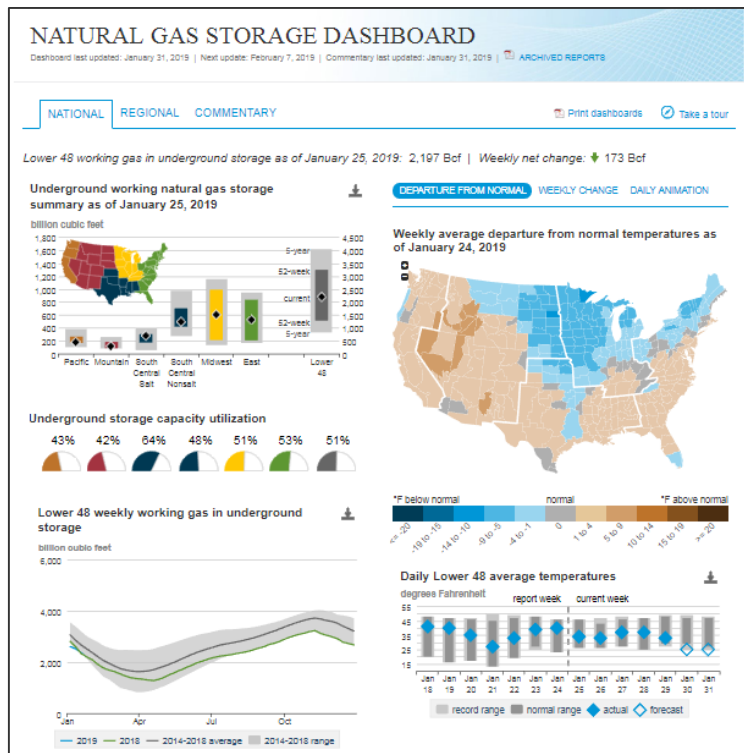


# The New England Dashboard provides context for this area facing winter natural gas and electricity peak constraints

- EIA's newest and most ambitious dashboard integrates electricity, natural gas, and petroleum information
- A response to strains at peak demand periods illustrated by last winter's "bomb cyclone" event
- Actively taps a variety of sources to build context



# The Natural Gas Storage Dashboard pulls together regional data compared with weather and consumption trends



- Built around data provided the *Weekly Natural Gas Storage Report*, EIA's only Principal Federal Economic Indicator
- The dashboard contrasts inventory levels with weather, consumption, and other natural gas market data to help explain context
- Entering this winter, U.S. natural gas storage levels have been relatively low, making this context-providing report valuable

## EIA is continuing to innovate and update

- Enhancing hourly electricity reporting
- Introducing an RTO data portal
- Enhancing energy emergency reporting, including more robust mapping capabilities
- We are interested in your feedback, and several EIA employees are providing demonstrations of these and other products at our booth

## For more information

For more information about products featured in this presentation, please visit the EIA booth here at the NARUC Winter Policy Summit, or visit online at:

U.S. States Portal | <https://www.eia.gov/state/>

Southern California Daily Energy Report |  
<https://www.eia.gov/special/disruptions/socal/winter/>

Natural Gas Storage Dashboard | <https://www.eia.gov/naturalgas/storage/dashboard/>

New England Dashboard | <https://www.eia.gov/dashboard/newengland/overview>

A complete set of links to recently introduced EIA tools can also be found at  
<https://www.eia.gov/tools/>