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# U.S. Energy Information Administration 2021 Agency Update



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*Council of Professional Associations on Federal Statistics (COPAFS)  
Quarterly Meeting  
June 4, 2021*

*Stephen Nalley, Acting Administrator  
U.S. Energy Information Administration*

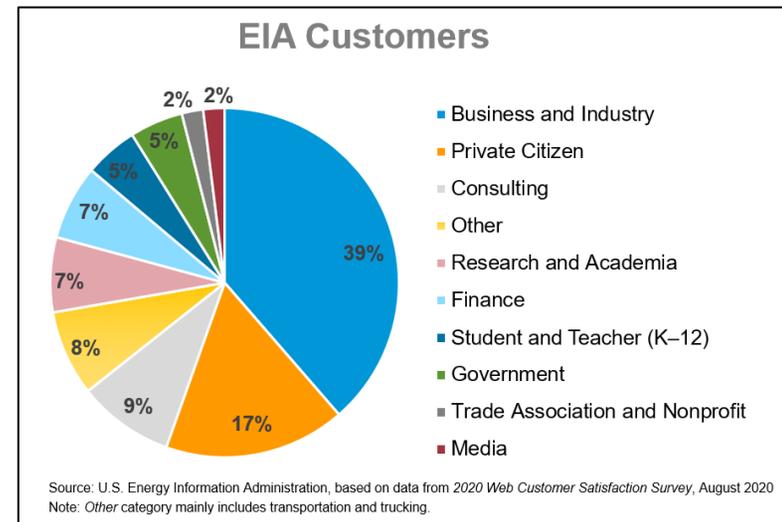
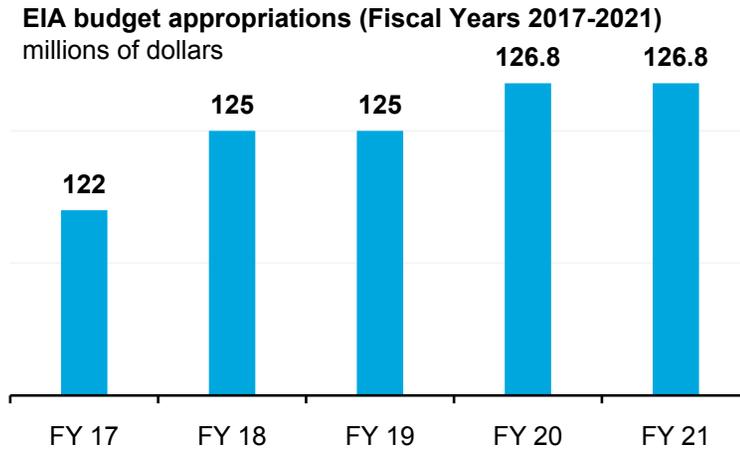




Independent Statistics & Analysis

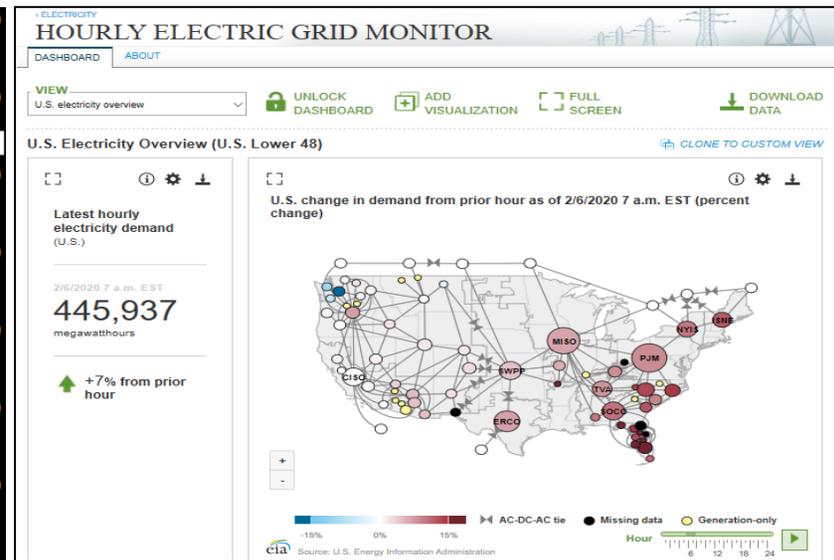
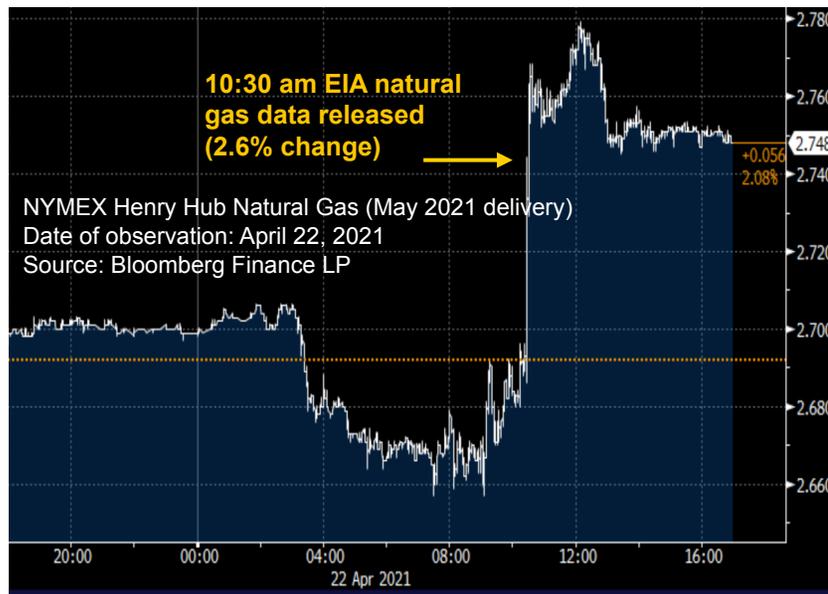
# U.S. Energy Information Administration

- 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 role is unique - by providing an unbiased view of energy markets, EIA increases transparency and promotes public understanding of important energy issues.
- EIA's FY 2021 appropriation is \$126.8 million, which supports a staffing level of 359 federal employees and approximately 300 contractors.



## EIA data provide key benchmarks for energy markets

- The *Weekly Natural Gas Storage Report* is designated as one of the nation's Principal Federal Economic Indicators
- The *Weekly Petroleum Status Report* provides statistics on crude oil and petroleum product stocks, imports, and production
- The *Hourly Electric Grid Monitor* delivers timely insights into the nation's electricity grid by providing near real-time demand data from the nation's balancing authorities



Source: EIA Hourly Electric Grid Monitor

# EIA analysis brings context and meaning to energy data

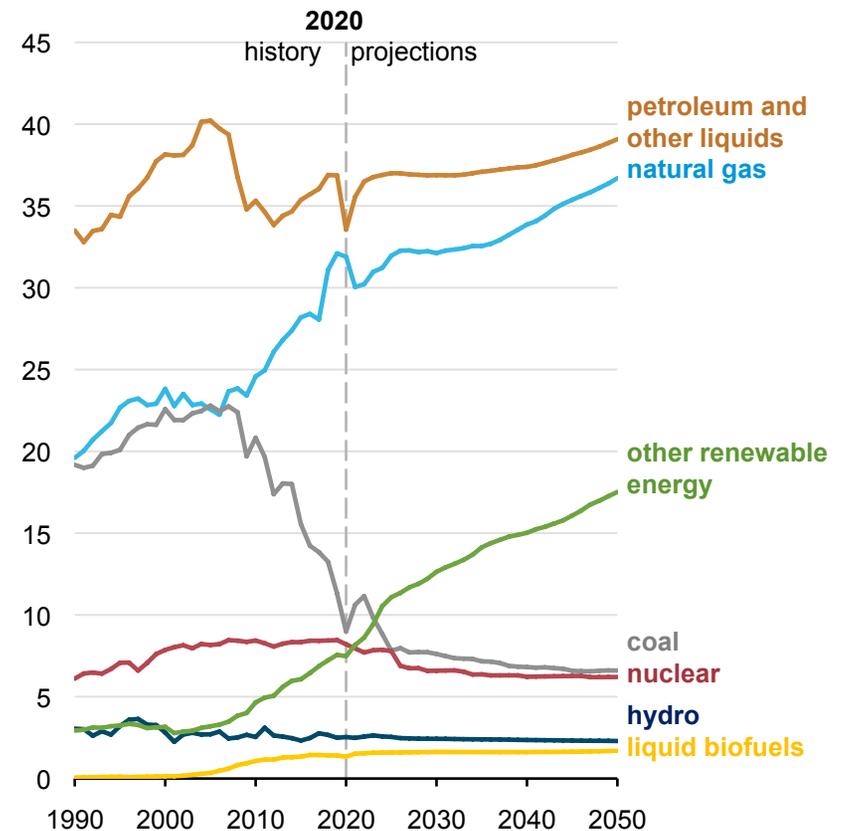
## Customers rely on EIA's analysis:

- **Short-Term Energy Outlook (STEO):** Monthly forecasts of U.S. and global supply, consumption, trade, stocks, and prices with a horizon of 12 to 24 months
- **Annual Energy Outlook (AEO):** Projects U.S. energy supply, consumption, and trade over a 25- to 30-year period
- **International Energy Outlook (IEO):** Projects international energy supply, consumption, and trade over a 25- to 30-year period
- **Other reports and analysis**, including reports for Congress and other key stakeholders; *This Week in Petroleum* and *Natural Gas Weekly Update* summarizing developments in respective markets; and *Today in Energy*, which highlights topical energy trends

## ...but key challenges remain:

- Providing timely insights on current topical energy issues
- Understanding and interpreting the long-term impacts of technology and innovation on the energy sector
- Accounting for the impact of changing political dynamics on global energy markets

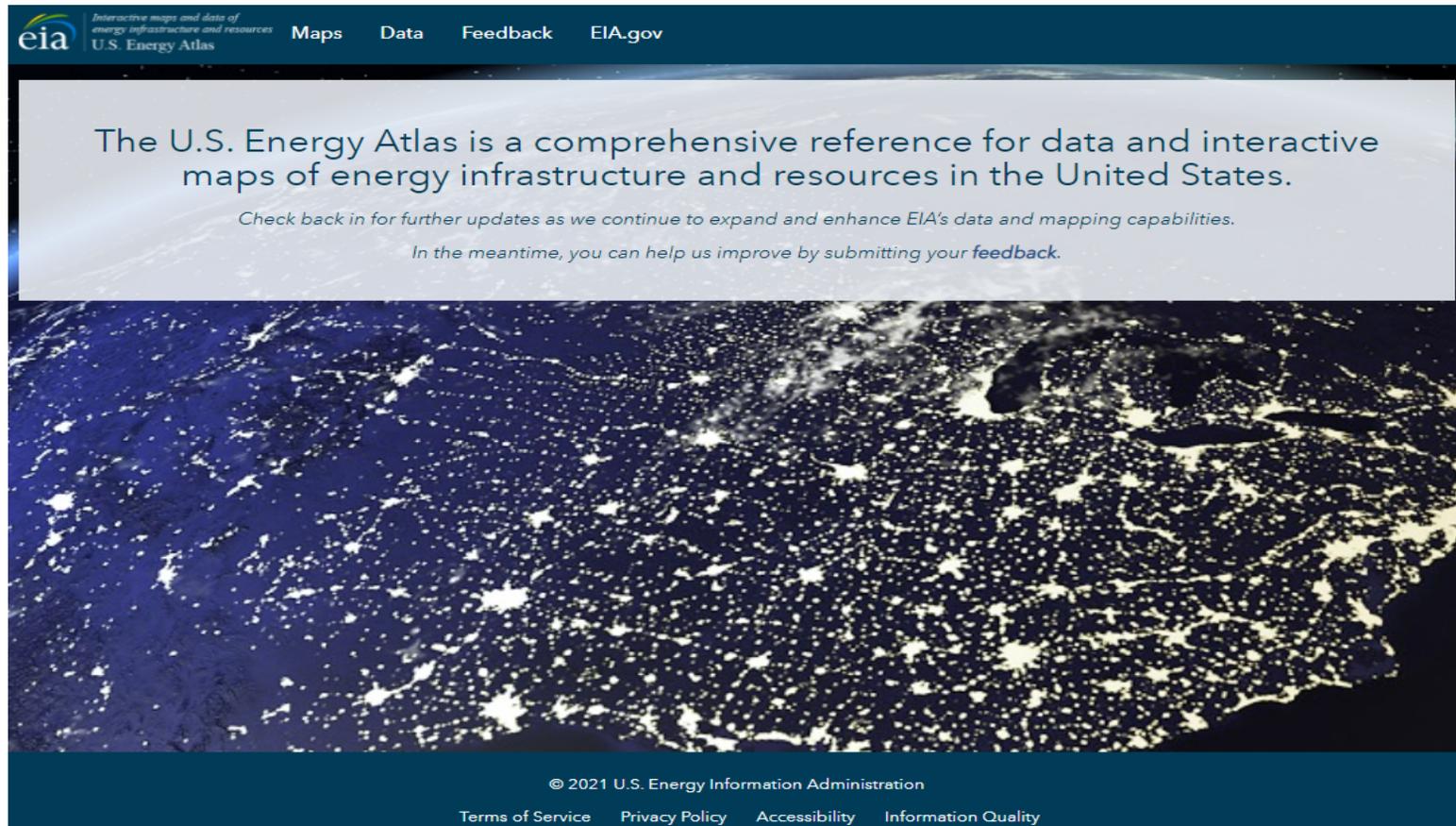
Energy consumption by fuel  
AEO2021 Reference case  
quadrillion British thermal units



## Recent program accomplishments have increased understanding of a dynamic energy landscape

- Delivered timely, relevant data and analysis to increase understanding of rapidly changing energy markets during the COVID-19 pandemic.
- Released new 30-year projections of U.S. energy markets in the *Annual Energy Outlook 2021*.
- Launched the *U.S. Energy Atlas*, a comprehensive reference for data and interactive maps of U.S. energy resources and infrastructure.
- Developed the new *Monthly Biofuels Capacity and Feedstocks Update* to help users track U.S. biofuels production capacities and feedstock consumption.
- Added weekly estimates of U.S. crude oil storage capacity utilization in the *Weekly Petroleum Status Report*.
- Provided timely energy information on severe Gulf Coast storms and western U.S. wildfires.
- Delivered expanded analysis of battery storage and the U.S. electric grid.
- Released new energy consumption data for commercial buildings and the manufacturing sector.

# U.S. Energy Atlas: a state-of-the-art, user-friendly energy mapping and data reference tool



The screenshot shows the homepage of the U.S. Energy Atlas. At the top left is the EIA logo with the text "Interactive maps and data of energy infrastructure and resources" and "U.S. Energy Atlas". To the right are navigation links for "Maps", "Data", "Feedback", and "EIA.gov". A central white box contains the following text: "The U.S. Energy Atlas is a comprehensive reference for data and interactive maps of energy infrastructure and resources in the United States." Below this is a smaller line: "Check back in for further updates as we continue to expand and enhance EIA's data and mapping capabilities." and another line: "In the meantime, you can help us improve by submitting your feedback." The background of the page is a satellite-style map of the United States with energy infrastructure highlighted in yellow and white. At the bottom, there is a copyright notice: "© 2021 U.S. Energy Information Administration" and links for "Terms of Service", "Privacy Policy", "Accessibility", and "Information Quality".

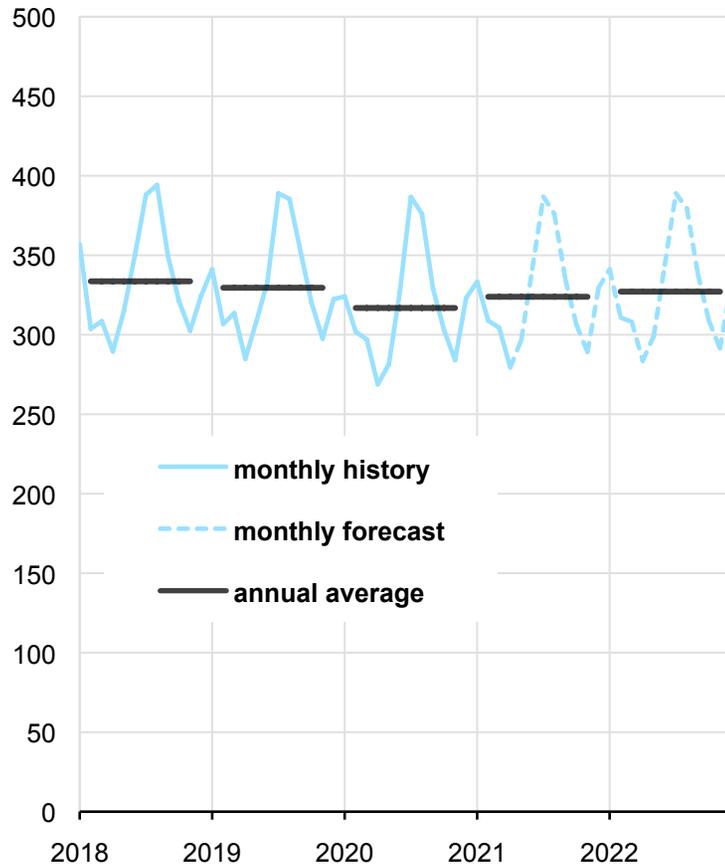
Energy Atlas site: <https://atlas.eia.gov/>

## COVID-19 presented unique challenges, but did not adversely affect EIA's data program

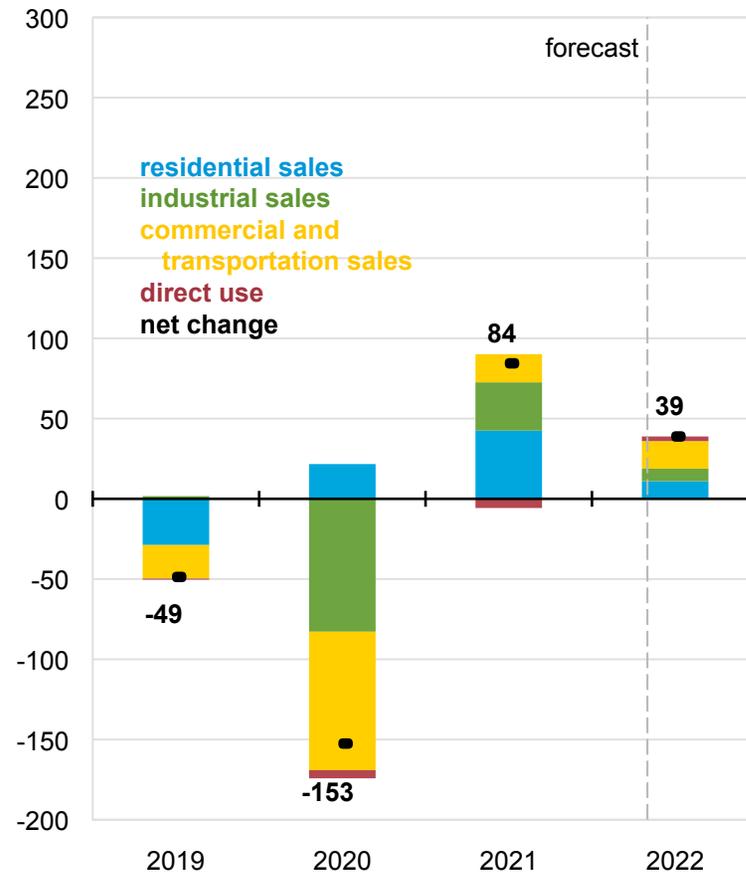
- EIA continued to meet product release deadlines throughout the pandemic - the agency's operational agility enabled timely adaptation to 100% telework.
- EIA exceeded its 95% target for on-schedule releases in FY 2020, and is continuing this trend in FY 2021.
- Response rates were relatively unaffected - EIA uses predominantly web-based data submission modes that allow respondents to report from anywhere while the mandatory legal reporting requirements remain unchanged.
- EIA does not anticipate any long-term effects due to COVID-19 on EIA data collection; data quality has remained high throughout this period.

# EIA is monitoring COVID's effect on the energy sector

**U.S. electricity consumption**  
billion kilowatthours



**Components of annual change**  
billion kilowatthours



Source: U.S. Energy Information Administration, Short-Term Energy Outlook, May 2021

## Key takeaways

- EIA fills a unique and vital role by delivering independent, impartial energy data and analysis; by providing an unbiased view of energy markets, EIA increases transparency and promotes public understanding of important energy issues.
- EIA has expanded program coverage to fill crucial information gaps, and has deployed state-of-the-art dissemination tools and open data initiatives that have greatly increased information accessibility.
- Although it presented significant operational challenges, EIA maintained a timely, high quality information program throughout the COVID-19 pandemic.
- EIA continues to explore effective, efficient means of expanding program coverage to address emerging energy issues.

## For more information

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

Annual Energy Outlook | [www.eia.gov/outlooks/aeo](http://www.eia.gov/outlooks/aeo)

Short-Term Energy Outlook | [www.eia.gov/outlooks/steo](http://www.eia.gov/outlooks/steo)

International Energy Outlook | [www.eia.gov/outlooks/ieo](http://www.eia.gov/outlooks/ieo)

Monthly Energy Review | [www.eia.gov/mer](http://www.eia.gov/mer)

Energy Consumption Data | [www.eia.gov/consumption](http://www.eia.gov/consumption)

State Energy Portal | [www.eia.gov/state](http://www.eia.gov/state)

Today in Energy | [www.eia.gov/todayinenergy](http://www.eia.gov/todayinenergy)