Overview of EIA's Natural Gas Storage Dashboard

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By
Barbara Mariner-Volpe and Chris Peterson, Office of Energy Statistics
U.S. Energy Information Administration

Key takeaways: Natural Gas Storage Dashboard

- Gives context to EIA's weekly natural gas storage estimates and the natural gas market through this new product
- Complements the *Weekly Natural Gas Storage Report (WNGSR)*
- Includes an integrated set of information covering regional inventories; regional storage utilization; residential, commercial, and electricity loads; weather; natural gas prices; net natural gas exports; and nuclear outages
- Provides interactive access to data and lets users print, access archives, explore the tool with a guided *Take-a-Tour,* download data, and animate weather trends
- Delivers additional insight into news and data using a *blog* format
- Creates auto-generated reports representing a combination of relevant information available from a variety of data sources, including EIA, NOAA, OPIS Point Logic, Bloomberg, CME Group, and others

Why is natural gas storage data important?

- Natural gas infrastructure and services help balance daily differences in the daily supply and demand for natural gas
- The role of natural gas in U.S. energy is growing; both the supply and demand for natural gas are likely to increase greatly
- Financial market participants involved in natural gas trading closely follow estimates of weekly storage activity
- Natural gas storage use helps both buyers and sellers of natural gas manage price risks
- Natural gas storage use and inventories remain crucial to ensuring reliability—either seasonally or day to day
- Natural gas storage use can support the changing use of different intermittent generating technologies

Why improve how we share natural gas storage information?

- Relates to EIA's sole Principal Federal Economic Indicator
- Integrates natural gas storage information across EIA's website
- Provides links to other sources of relevant information
- Delivers more context about what drives changes in natural gas storage stocks
- Details more regional-level information
- Benefits EIA's storage analysis and modeling stakeholders

Weekly Natural Gas Storage Report

Weekly Natural Gas Storage Report

for week ending November 23, 2018 | **Released:** November 29, 2018 at 10:30 a.m. | **Next Release:** December 7, 2018

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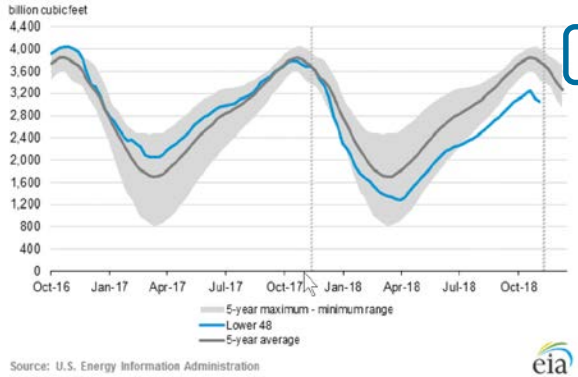
Working gas in underground storage, Lower 48 states Summary text CSV JSN

	Stocks billion cubic feet (Bcf)				Historical Comparisons: Year ago (11/23/17)		5-year average (2013-17)	
Region	11/23/18	11/16/18	net change	implied flow	Bcf	% change	Bcf	% change
East	778	803	-25	-25	876	-11.4	893	-12.9
Midwest	938	959	-21	-21	1,071	-12.4	1,069	-12.3
Mountain	171	174	-3	-3	221	-22.6	216	-20.8
Pacific	254	258	-4	-4	314	-19.1	347	-26.8
South Central	914	919	-5	-5	1,214	-24.7	1,249	-26.8
Salt	259	251	8	8	347	-25.4	352	-26.4
Nonsalt	654	668	-14	-14	867	-24.6	896	-27.0
Total	3,054	3,113	-59	-59	3,698	-17.4	3,774	-19.1

Totals may not equal sum of components because of independent rounding.

Working gas in underground storage compared with the 5-year maximum and minimum



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Source: U.S. Energy Information Administration

Note: The shaded area indicates the range between the historical minimum and maximum values for the weekly series from 2013 through 2017. The dashed vertical lines indicate current and year-ago weekly periods.

- EIA's only Principal Federal Economic Indicator
- Produced by EIA since 2002
- Components: Published in accordance with the Office of Management and Budget's Statistical Policy Directive 3
- Includes:
  1. Lower 48/regional underground natural gas stocks
  2. Graphical comparisons with five-year min/max range
  3. Measures of statistical variance
- Released at exactly 10:30 a.m. on Thursdays by OES, OC, and RTM
- Release process ensures equal access to the public

Estimated measures of sampling variability Download History (April 2015 to Present)

	Coefficient of Variation for Stocks % of working gas		Standard Error for Net Change billion cubic feet (Bcf)
Region	11/23/18	11/16/18	net change
East	0.9	0.9	0.3
Midwest	0.9	0.9	0.4
Mountain	1.5	1.5	0.1
Pacific	0.0	0.0	0.0
South Central	0.6	0.6	0.6
Salt	1.9	1.9	0.3
Nonsalt	0.5	0.4	0.5
Total	0.4	0.4	0.8

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New natural gas storage dashboard continues EIA's focus on storage product improvement

- Created an Aliso Canyon-related product
- Expanded reporting from three to five storage regions
- Split salt versus non-salt reporting
- Lowered thresholds for reporting reclassifications
- Provided measures of sampling variability
- Made data downloads more efficient

The Dashboard's design was premised on some basic requirements

- Automate as much as possible and leverage access to existing information
- Be available on WNGSR release days by about 2:30 p.m. (eastern standard time)
- Spotlight what contributes to changes in storage activity
- Facilitate easier downloading of images and data
- Incorporate regional information
- Enable customers to print out a brief, tear-sheet of relevant measures
- Provide links to additional, helpful information
- Support occasional context-setting commentary in blog format
- Allow for easy to revise revisions (for seasons or locations)

The Dashboard can help explain key energy market issues

- How does storage balance natural gas supply and demand?
- What are the key market drivers of changes in regional storage activity?
- What is the relationship between natural gas prices and inventory levels?
- How do current stocks compare to prior periods such as stocks for last year or stocks for the 5-year average?
- How do changes in temperatures affect natural gas storage stocks?
- What are the regional differences in stocks and utilization?

For more information

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

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

Weekly Natural Gas Storage Report | http://ir.eia.gov/ngs/ngs.html

Southern California Daily Energy Report | www.eia.gov/special/disruptions/socal/summer/#dashboard

Natural Gas Weekly Update | www.eia.gov/naturalgas/weekly

Natural Gas Monthly | https://www.eia.gov/naturalgas/monthly/

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

Today in Energy | www.eia.gov/todayinenergy

For more information

Subject matter experts for this presentation:

Christopher Peterson, Senior Market Analyst
christopher.peterson@eia.gov (202) 586-4804

Barbara Mariner-Volpe, Team Lead, Downstream Natural Gas
Barbara.mariner-volpe@eia.gov, (202) 586-5878

Jose Villar, Industry Economist
Jose.villar@eia.gov (202) 586-9613