

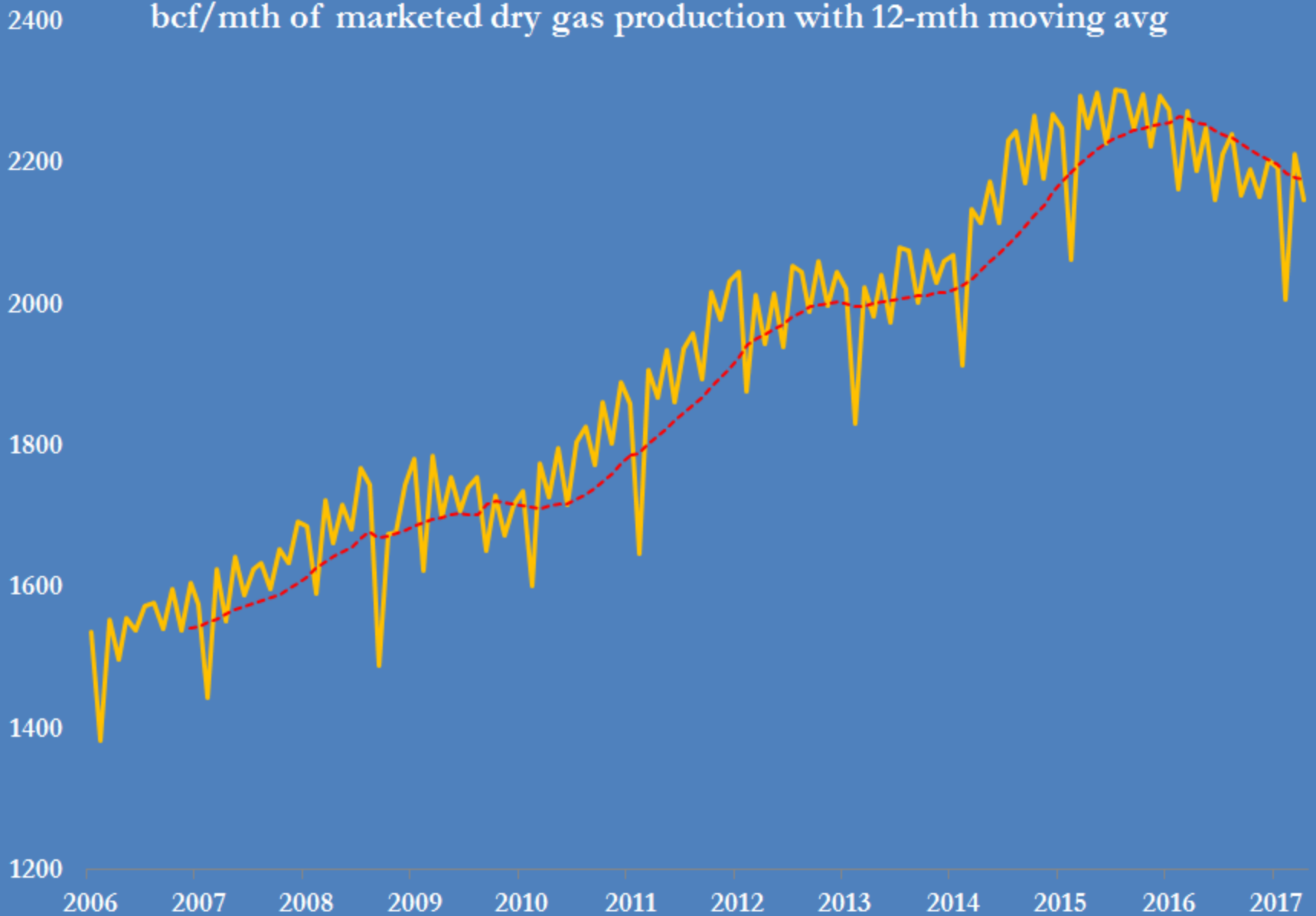
U.S. natural gas supply, demand and prices

Selected indicators

JOHN KEMP
REUTERS
5 July 2017

Production of natural gas in the United States

bcf/mth of marketed dry gas production with 12-mth moving avg

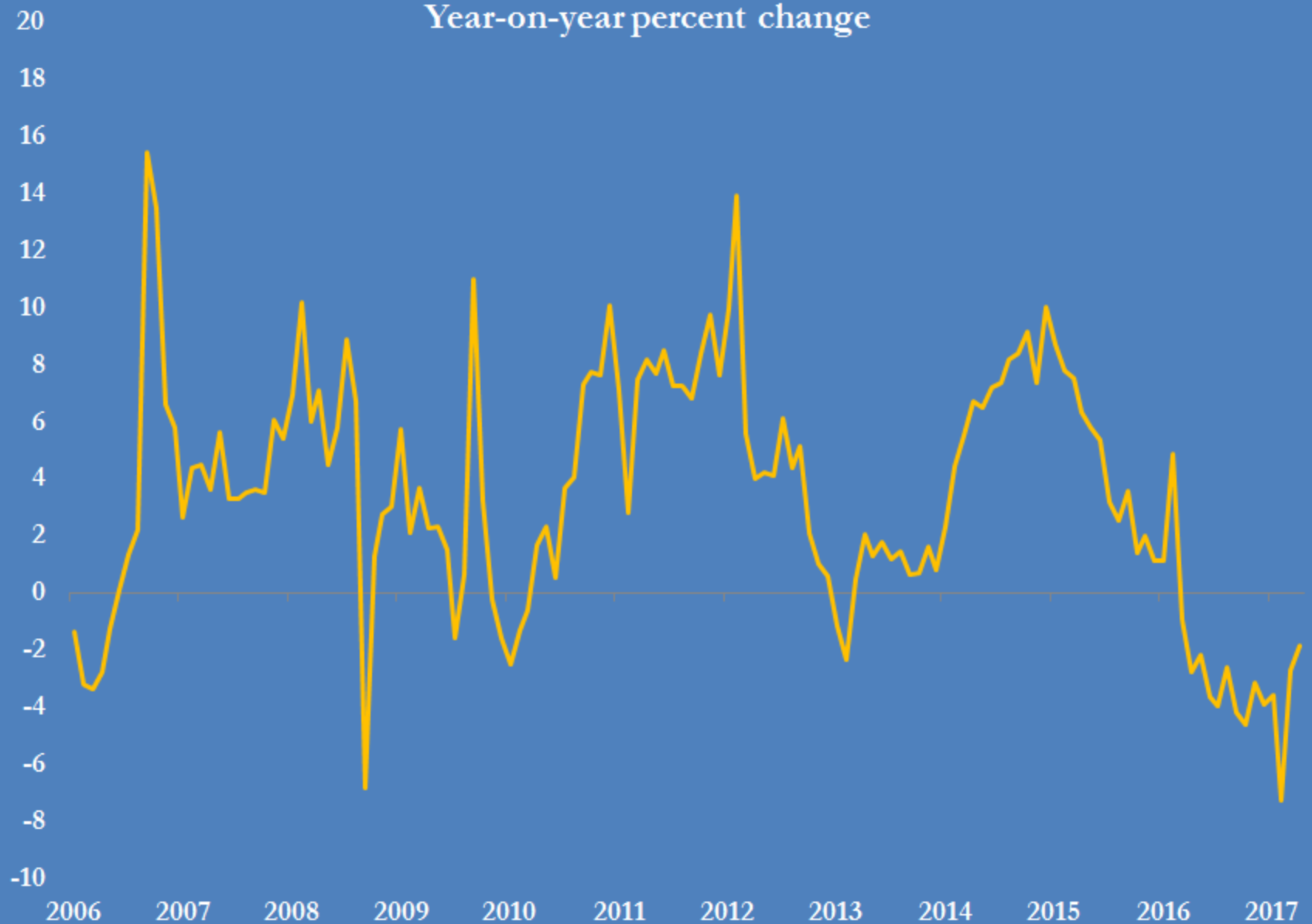


Source: US Energy Information Administration

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Production of natural gas in the United States

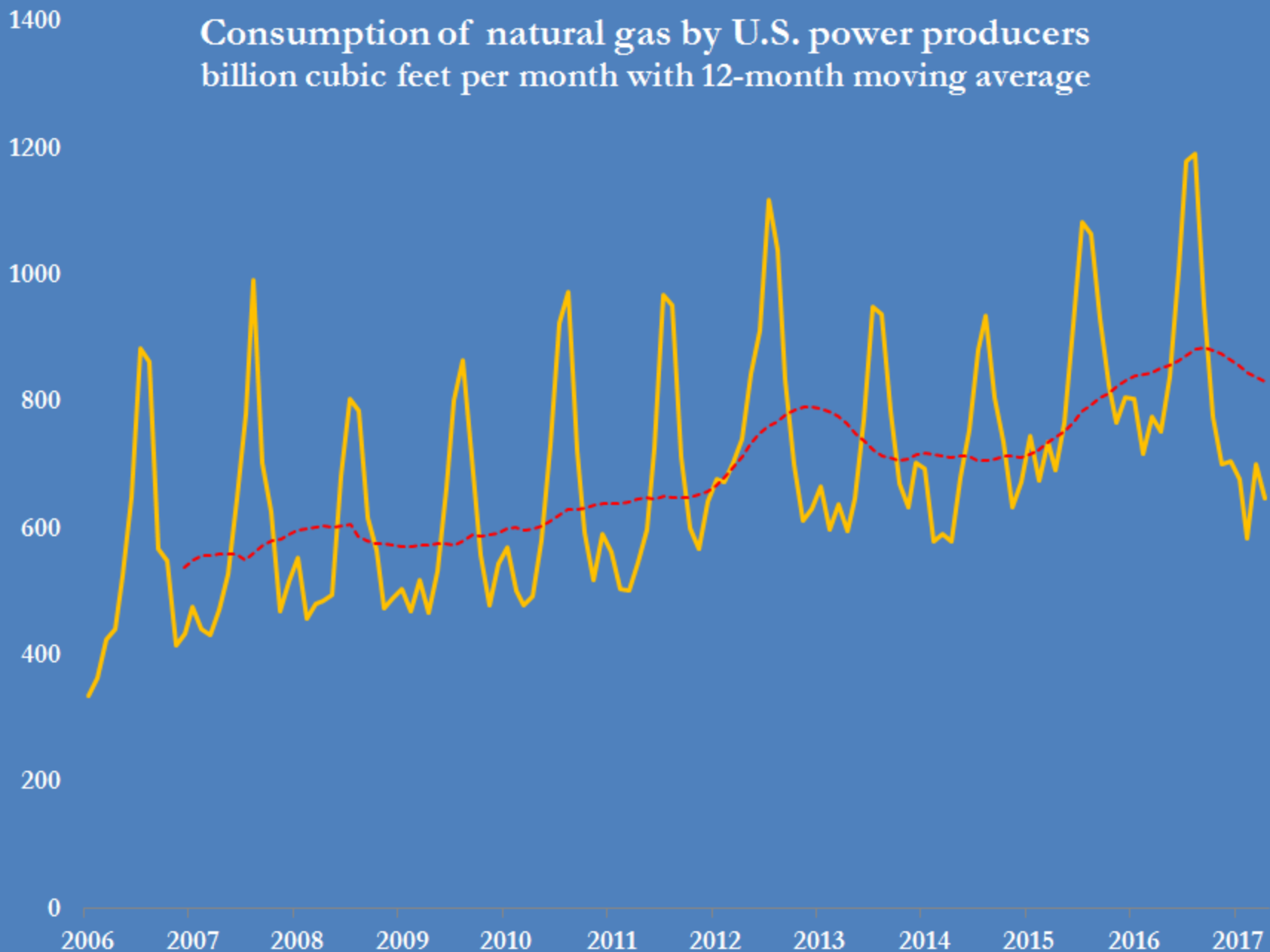
Year-on-year percent change



Source: US Energy Information Administration

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Consumption of natural gas by U.S. power producers billion cubic feet per month with 12-month moving average

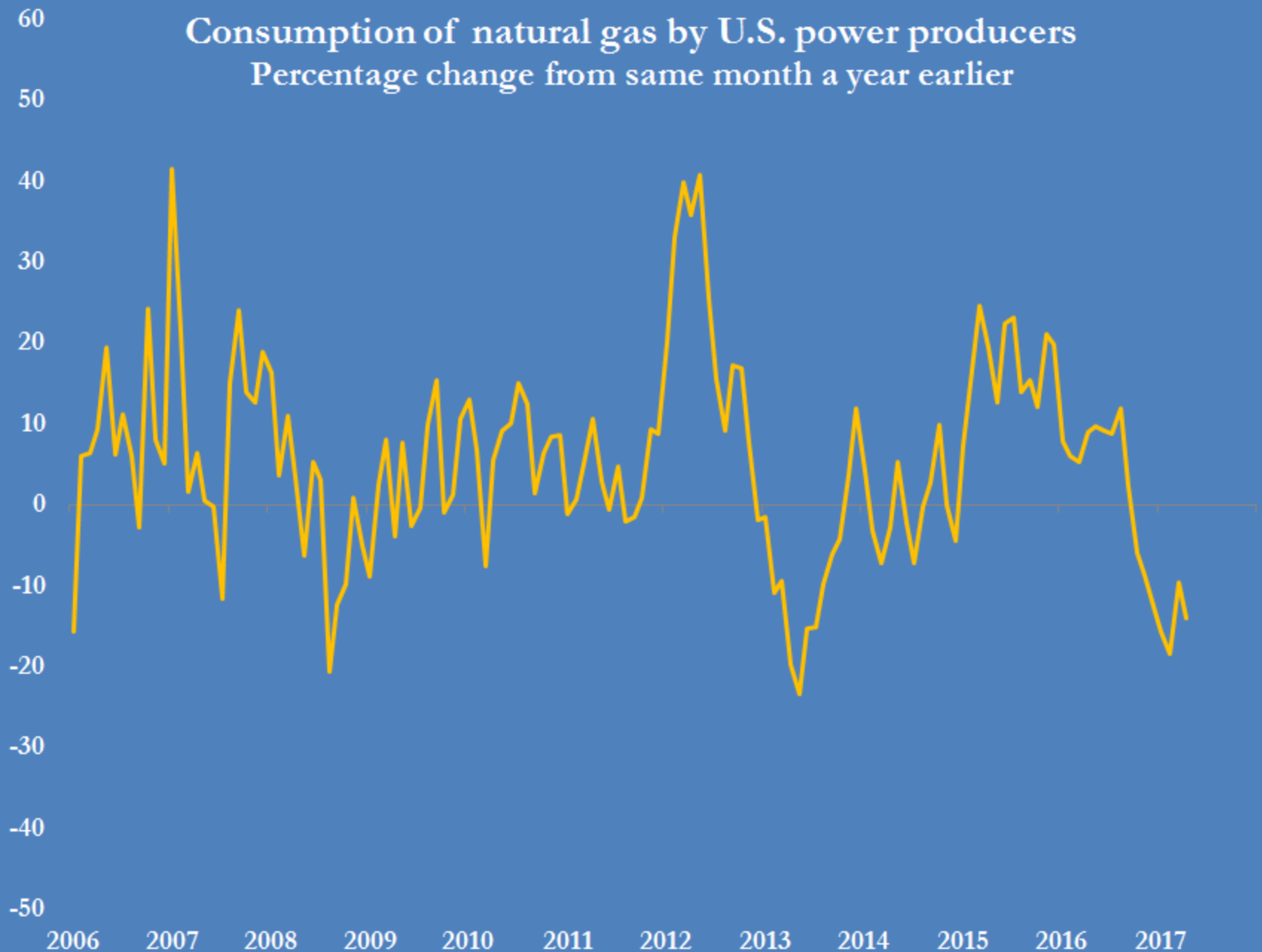


Source: US Energy Information Administration

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Consumption of natural gas by U.S. power producers

Percentage change from same month a year earlier

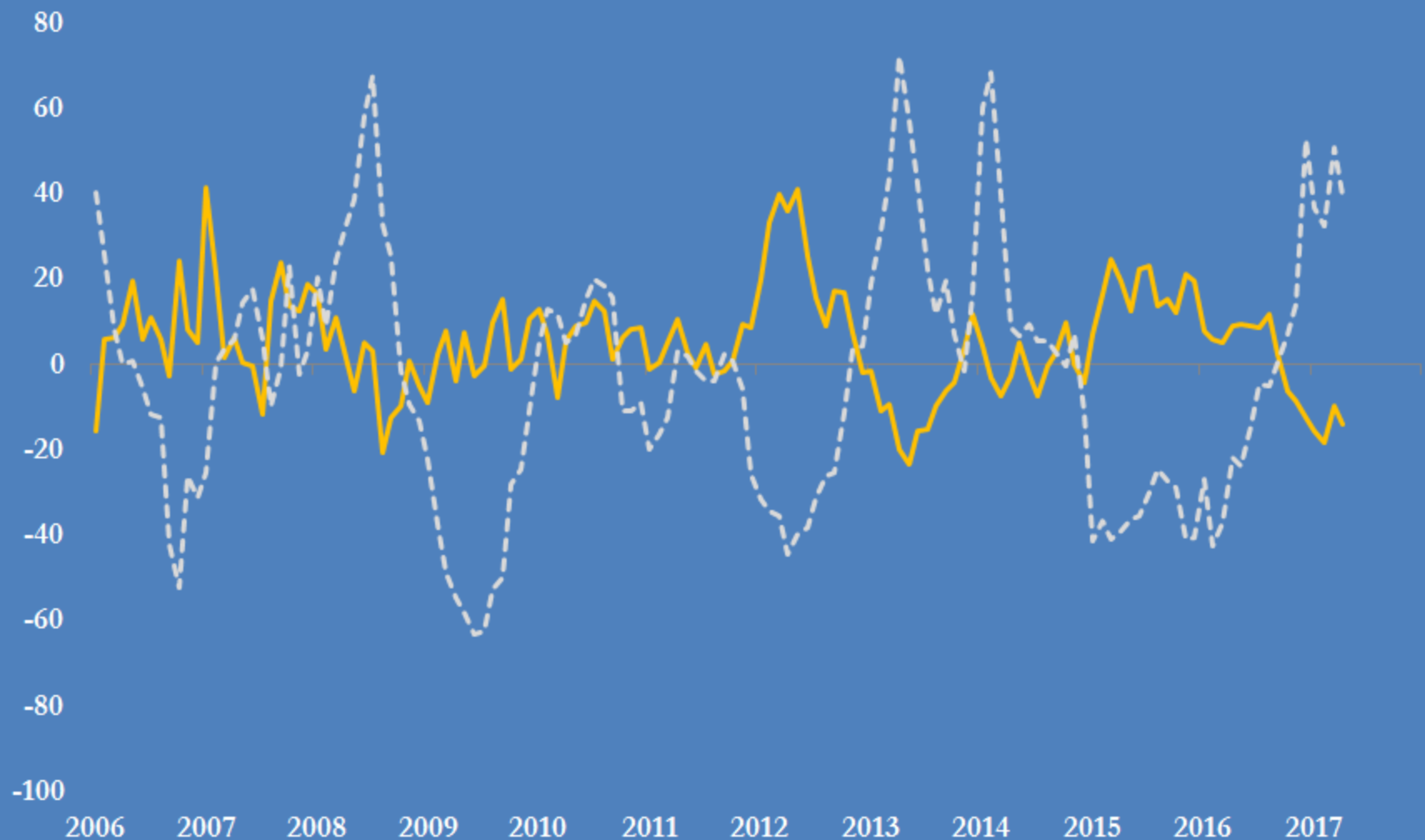


Source: US Energy Information Administration

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Consumption and price of gas by U.S. power producers

Percentage change from same month a year earlier



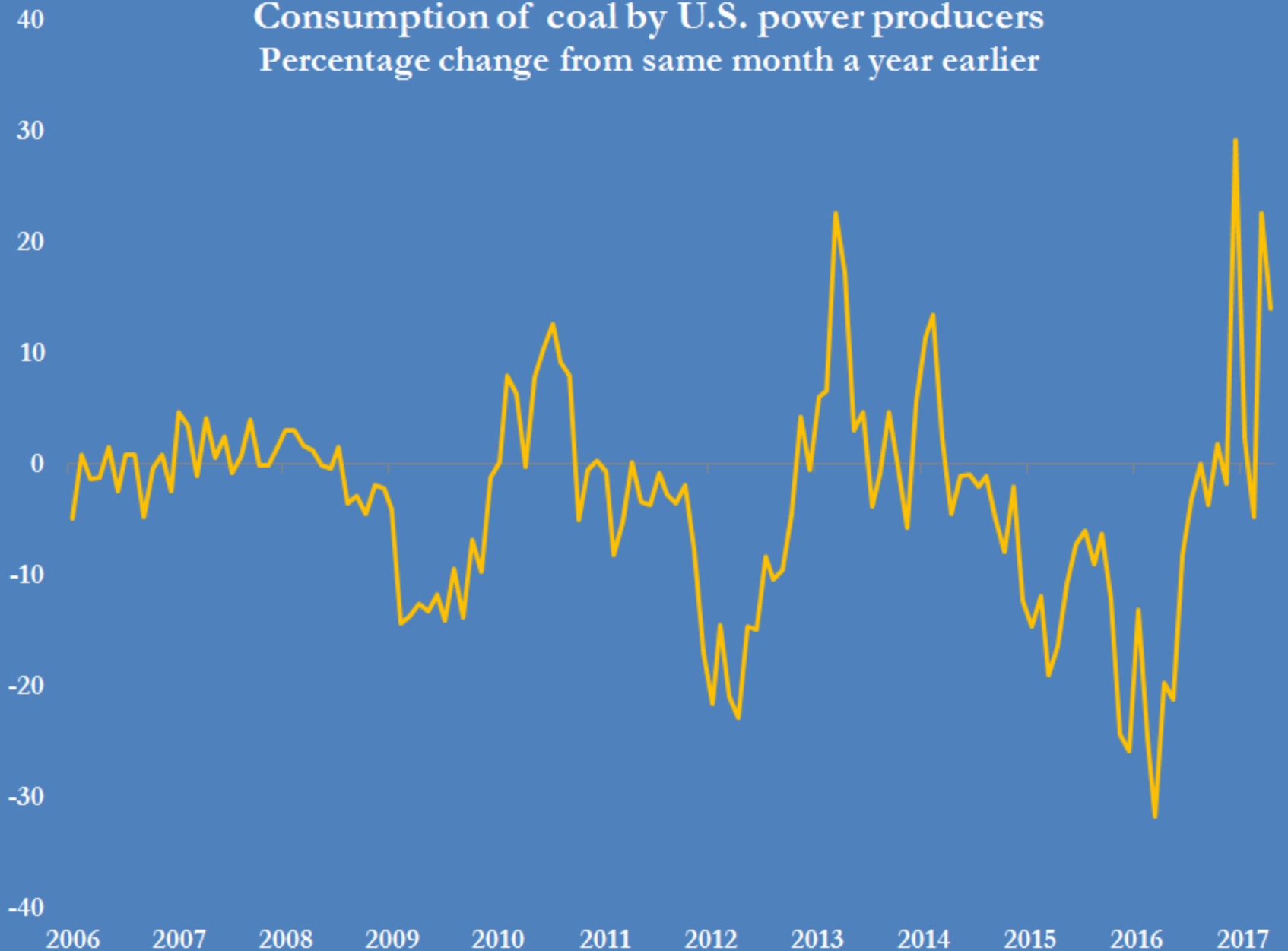
— Gas consumption by electric power producers
--- Average cost of gas received by electric power producers

Source: US Energy Information Administration

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Consumption of coal by U.S. power producers

Percentage change from same month a year earlier

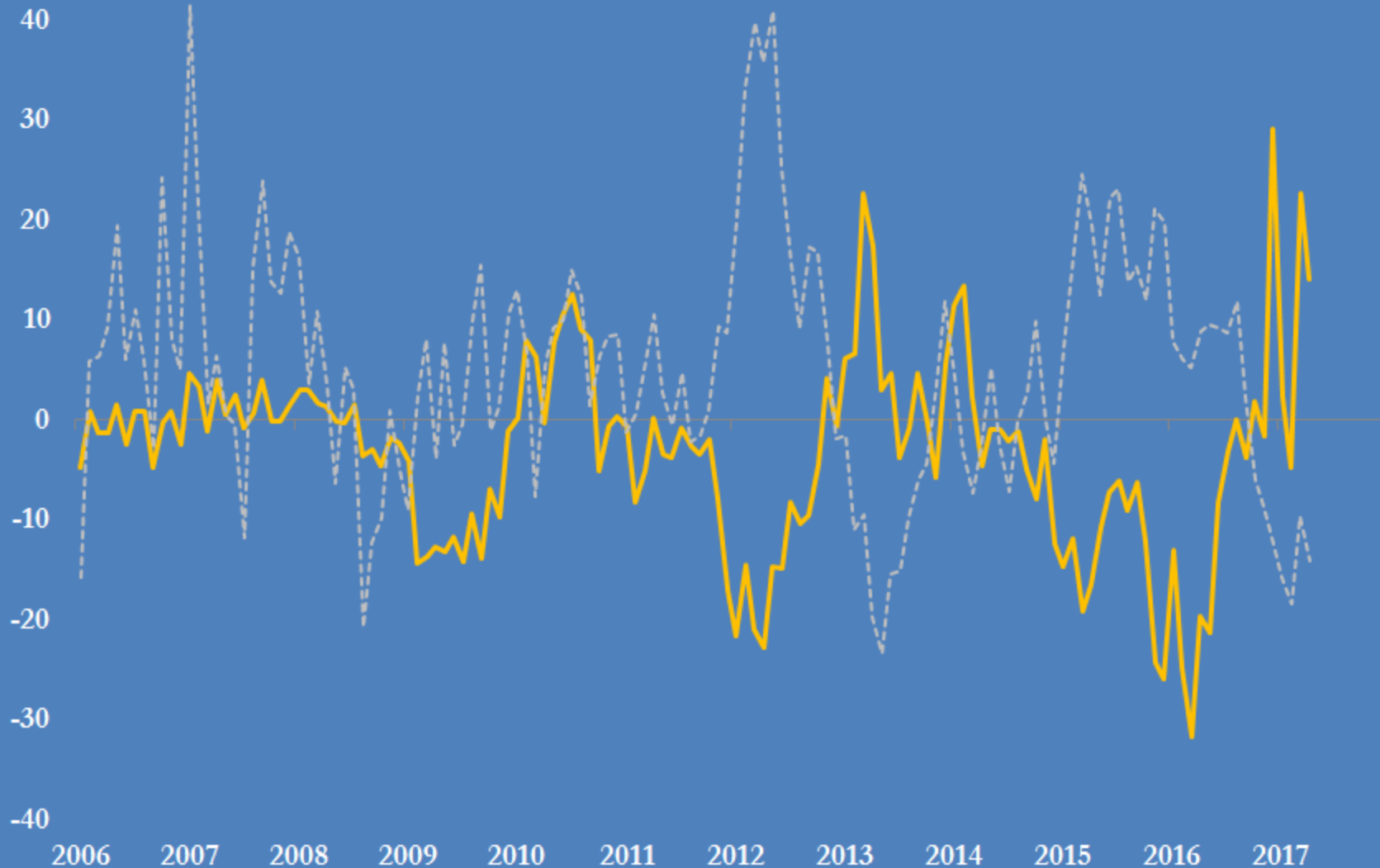


Source: U.S. Energy Information Administration

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Fuel consumption by U.S. power producers

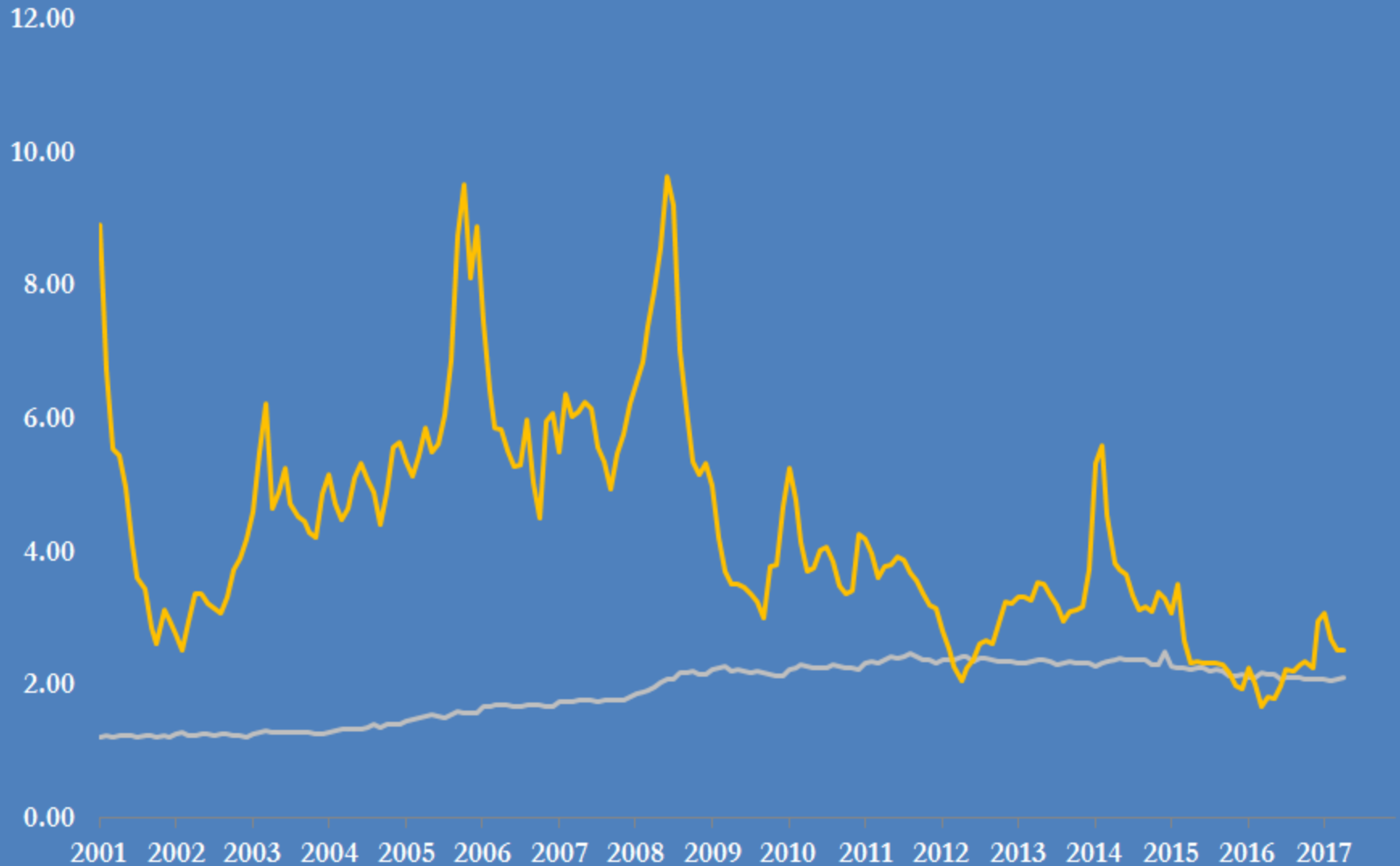
Percentage change from same month a year earlier



— Coal consumption
- - - Natural gas consumption

Source: U.S. Energy Information Administration
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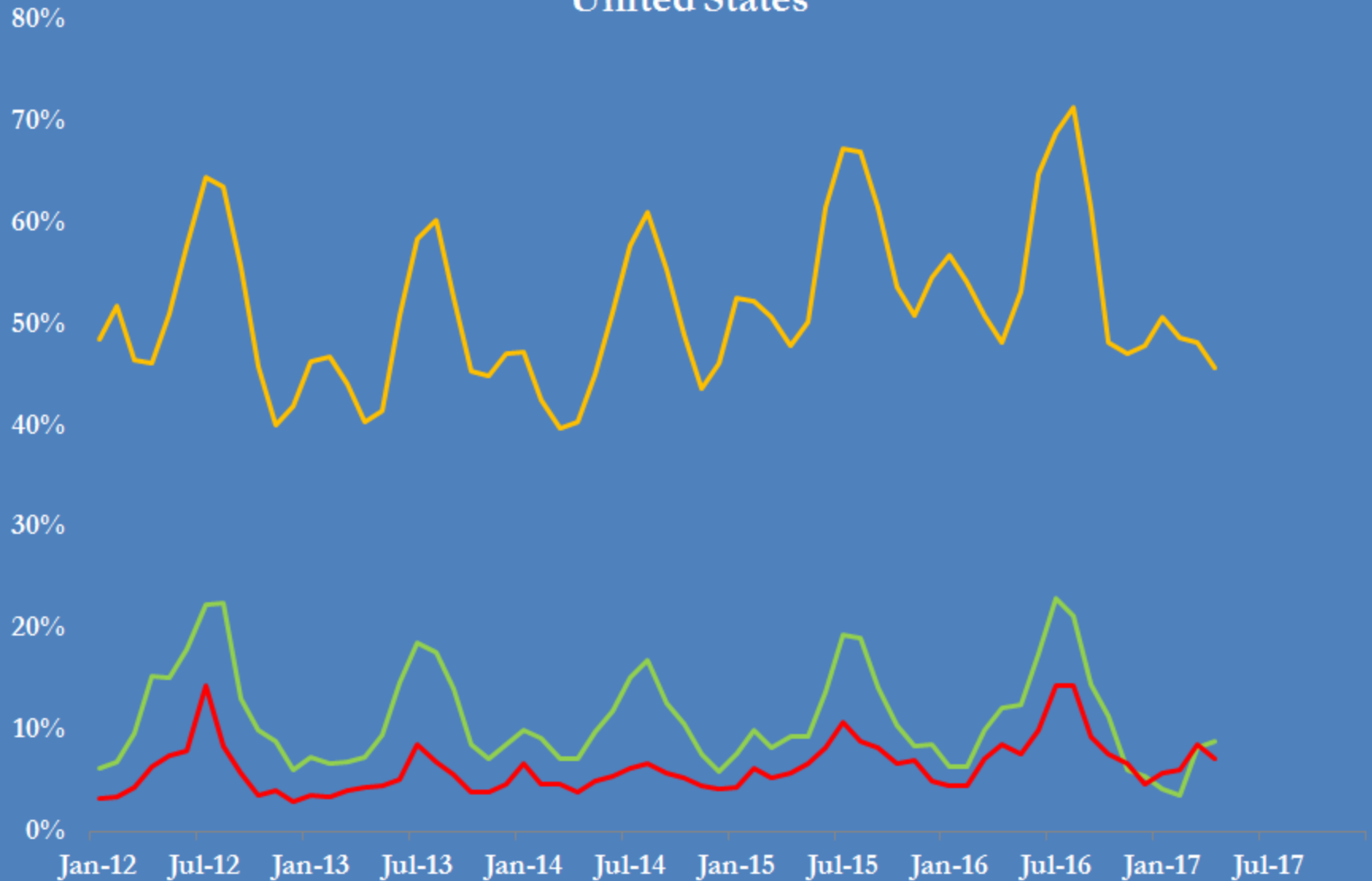
Cost of coal and natural gas received at U.S. electric generating plants (US\$/mmBtu) (adjusted for differential net heat rates)



— Coal
— Natural gas (adjusted)

Source: US Energy Information Administration, *Monthly Energy Review*
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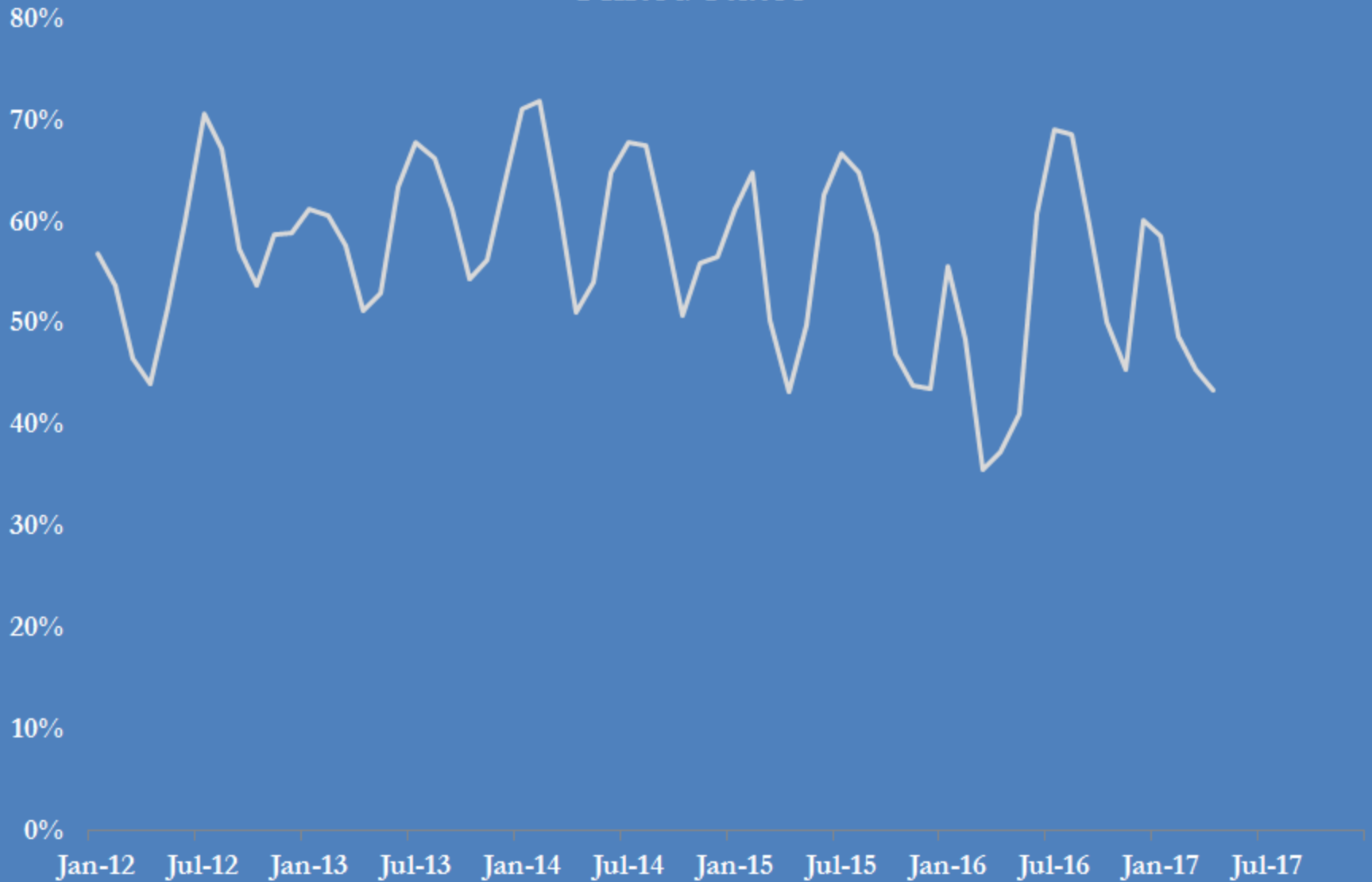
Monthly capacity factors for gas-fired power plants in the United States



- Combined Cycle
- Steam Turbine
- Combustion Turbine

Source: U.S. Energy Information Administration
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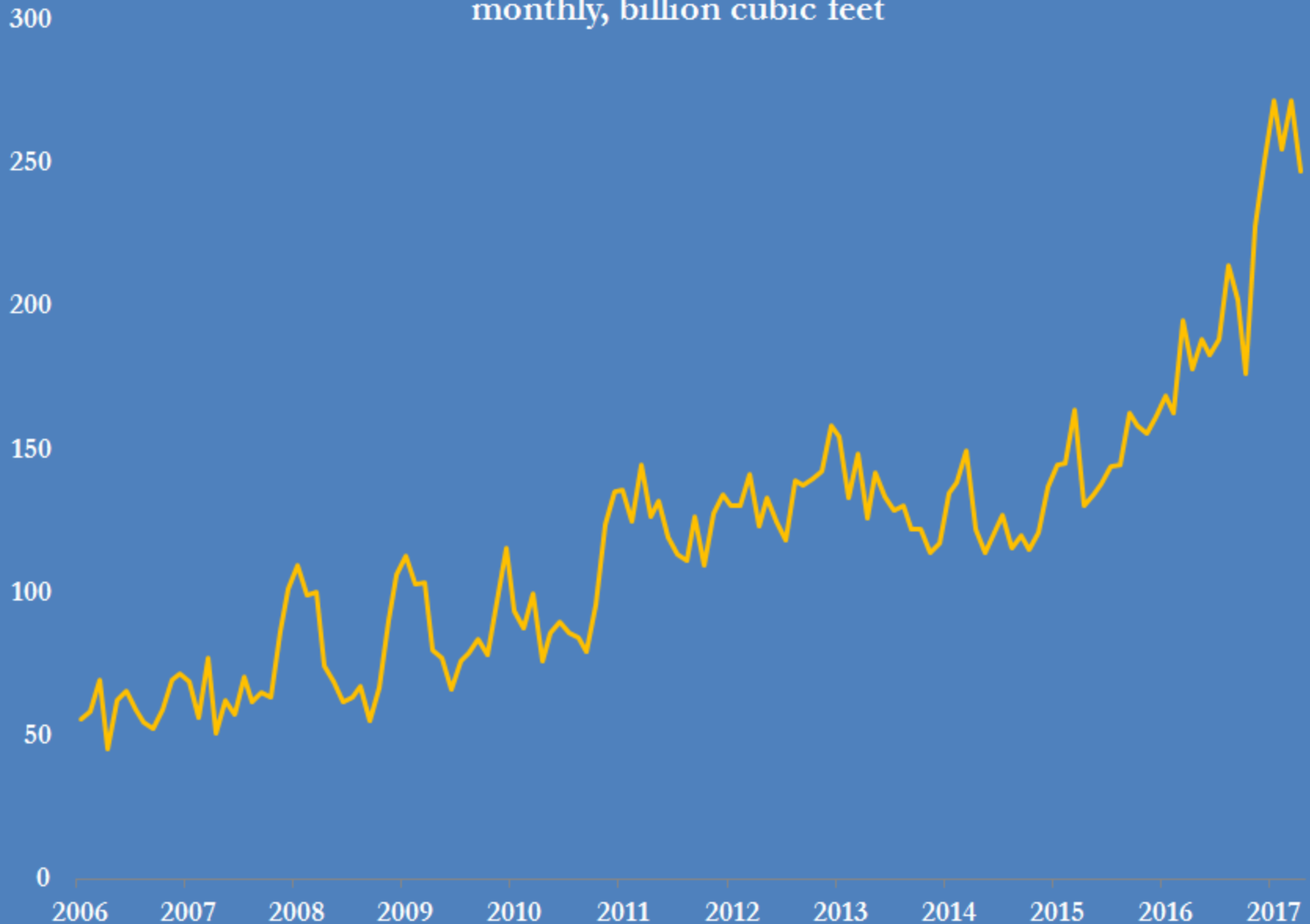
Monthly capacity factors for coal-fired power plants in the United States



Source: U.S. Energy Information Administration
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U.S. natural gas exports, 2006-2017

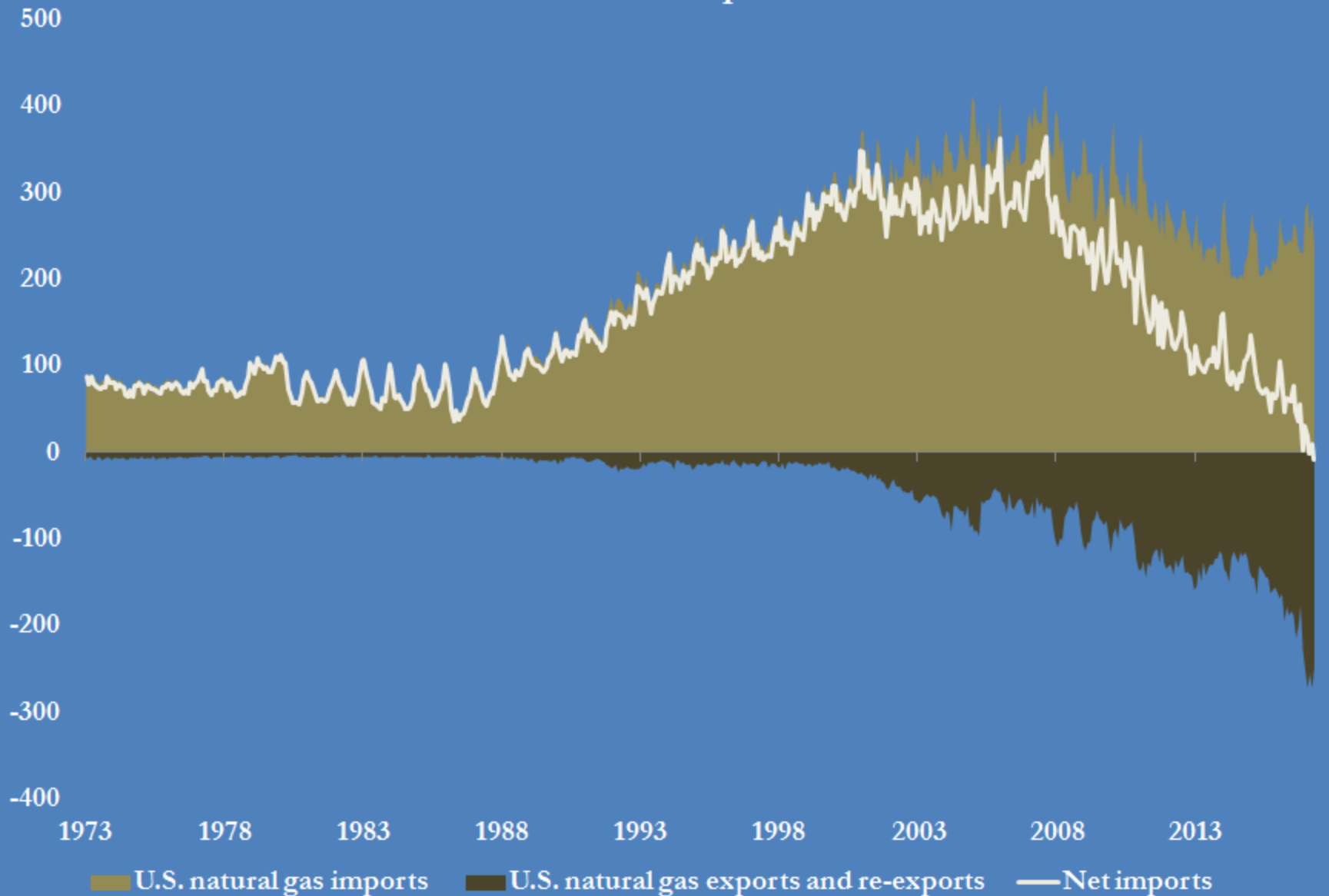
monthly, billion cubic feet



Source: US Energy Information Administration

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U.S. net imports of natural gas billion cubic feet per month

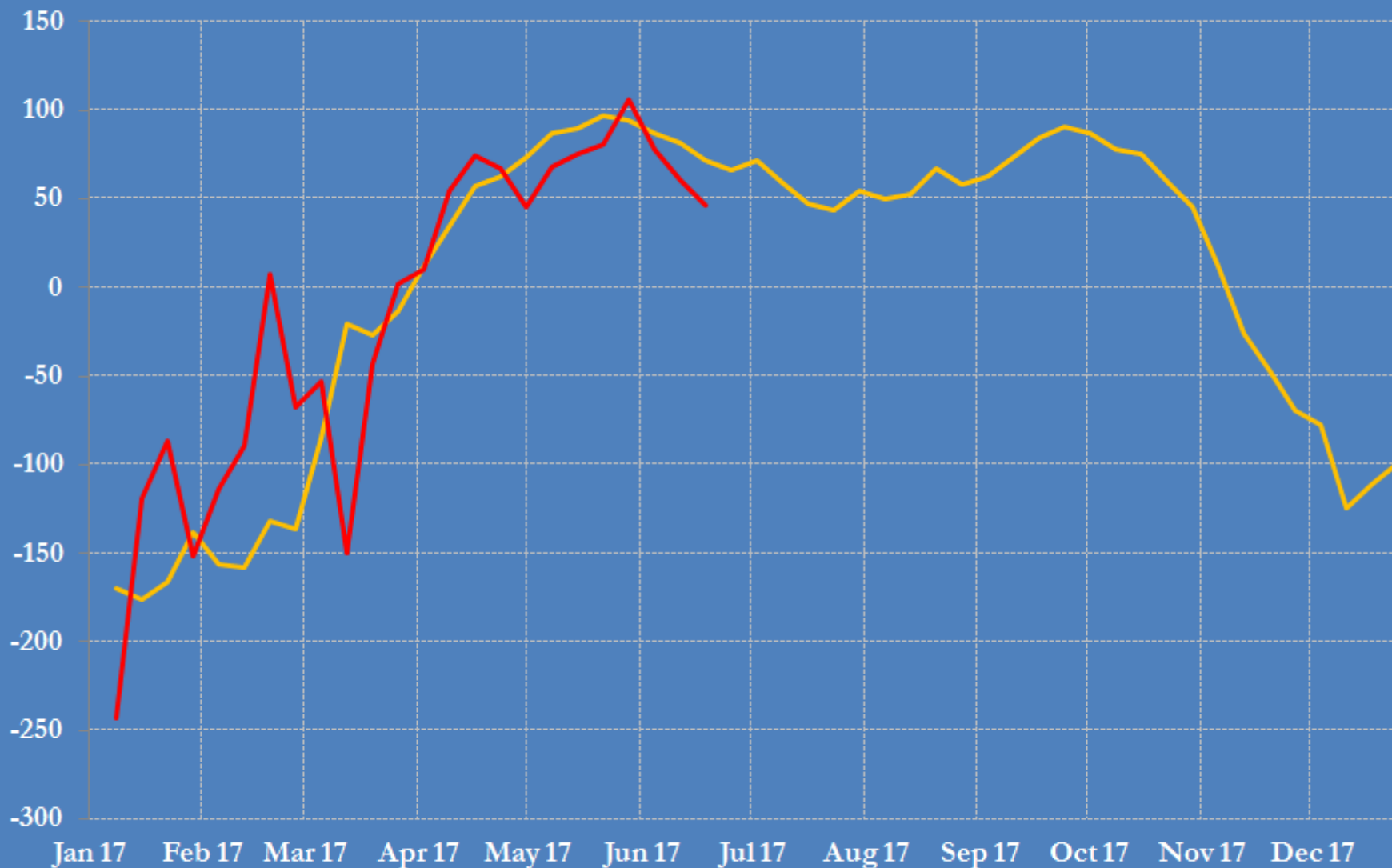


Source: US Energy Information Administration

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Weekly change in U.S. natural gas inventories

Working stocks in underground storage, Lower 48 states, billion cubic feet



— 5-Year average change in stocks
— 2017 change in stocks

Source: US Energy Information Administration
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U.S. natural gas stocks versus cooling demand

Weekly change in stocks vs population-weighted CDDs

Stock Chg
bcf

120

100

80

60

40

20

0

-20

0

25

50

75

100

125

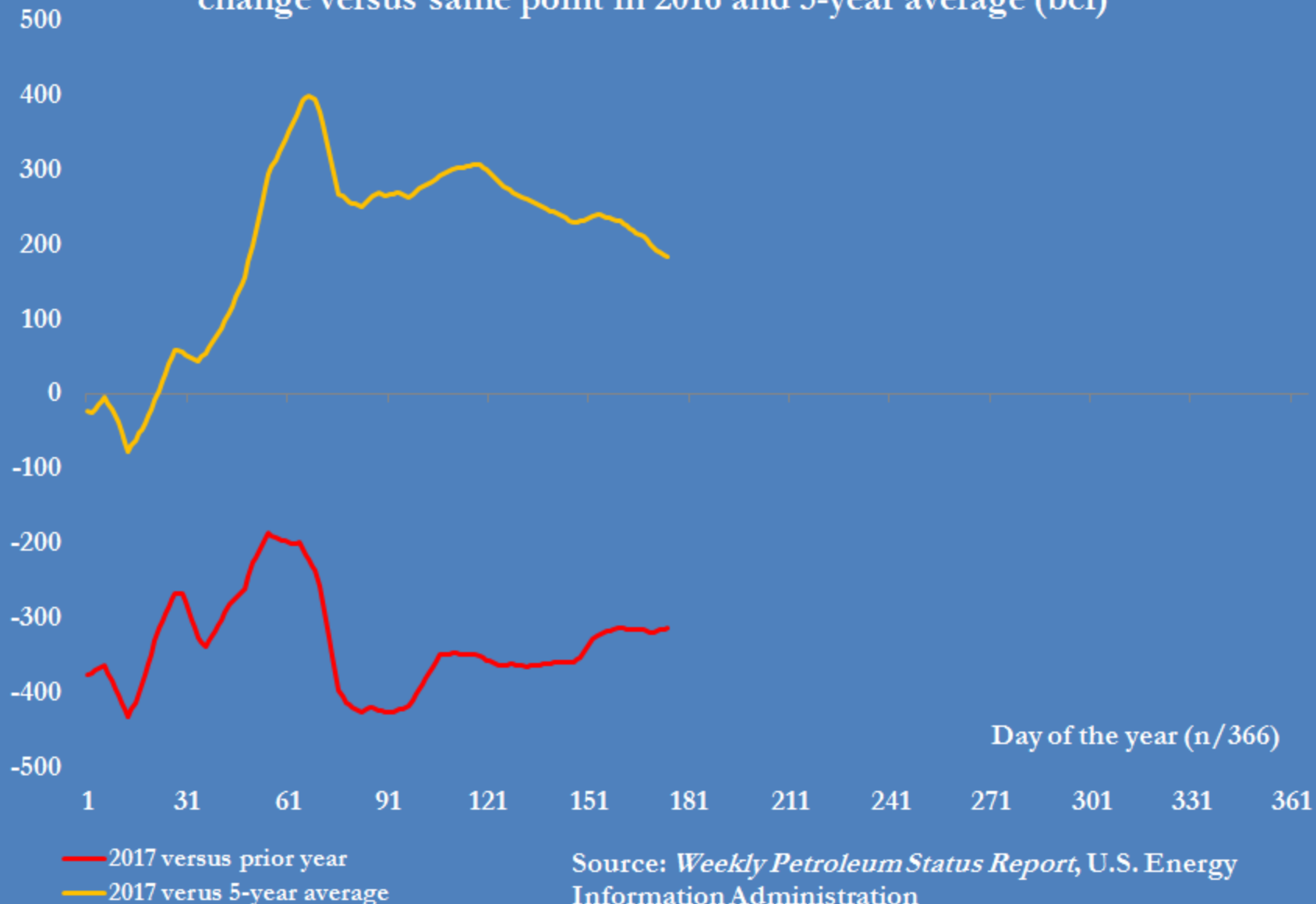
PWCDDs

$$y = -0.7502x + 94.058$$
$$R^2 = 0.681$$

- ◆ Cooling Year 2016 (May-Sep)
- ◆ Cooling Year 2017 (May-Sep)

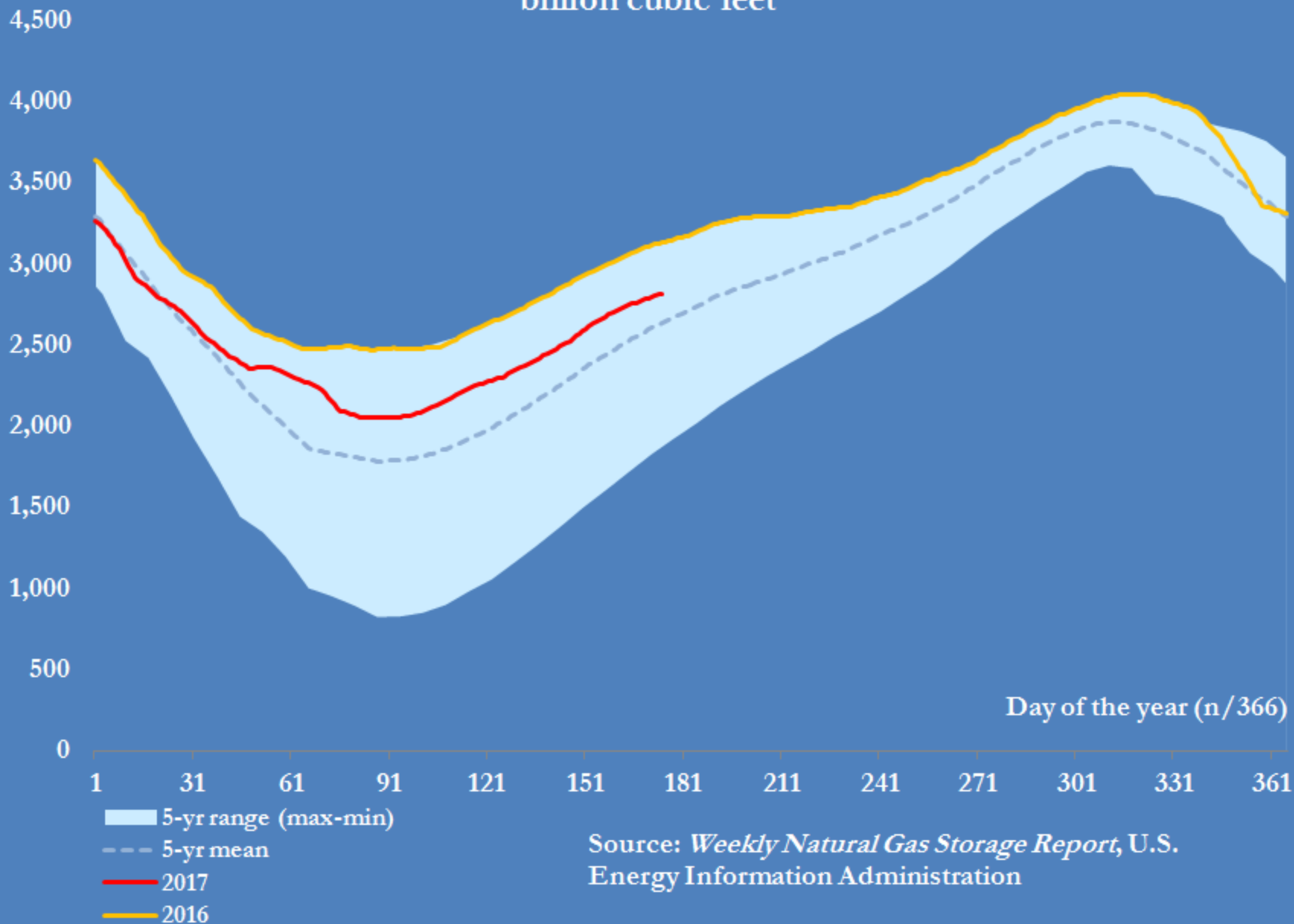
Source: U.S. Climate Prediction Center, U.S. Energy Information Administration, @JKempEnergy

U.S. working gas stocks in underground storage (L48) change versus same point in 2016 and 5-year average (bcf)



Source: *Weekly Petroleum Status Report*, U.S. Energy Information Administration
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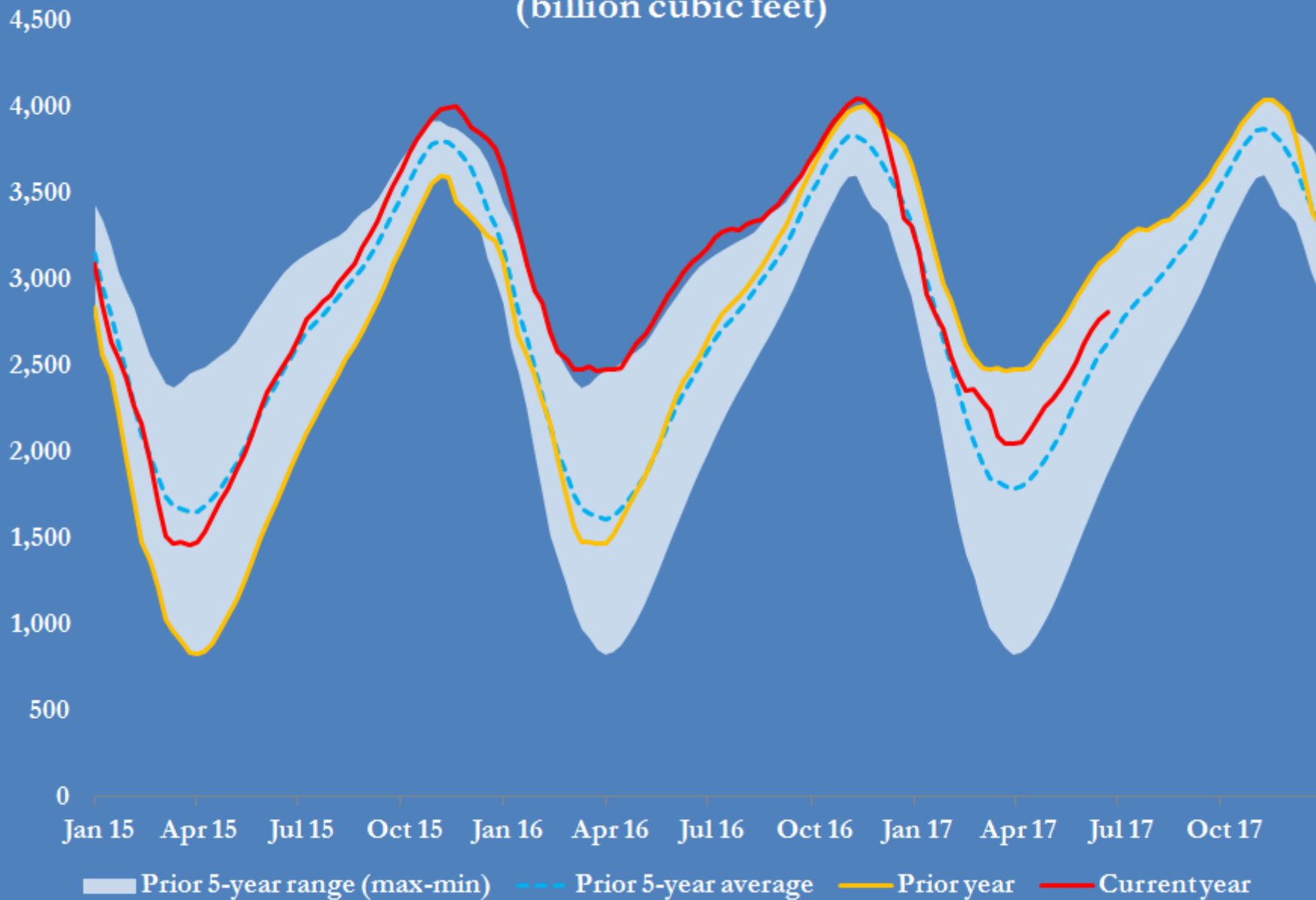
U.S. working gas stocks in underground storage billion cubic feet



Source: *Weekly Natural Gas Storage Report*, U.S. Energy Information Administration

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U.S. working gas stocks in underground storage (billion cubic feet)



Source: U.S. Energy Information Administration

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