A summary of national and global energy indicators



JANUARY 18, 2018

FEDERAL RESERVE BANK of KANSAS CITY

## SUMMARY OF CURRENT ENERGY CONDITIONS

The number of total active drilling rigs in the United States decreased 2.8 percent from a month ago, but increased 12.2 percent from a year ago. U.S. crude oil production inched up 0.7 percent in October, and natural gas production ticked up 4.1 percent. Crude oil prices continued to decline in January, though more slowly than in previous months. For the week ending January 11th, West Texas Intermediate (WTI) crude oil averaged \$50.78 per barrel and North Sea Brent averaged \$58.64 per barrel, a decline of 1.5 percent for both measures in the last month. The Henry Hub natural gas spot price averaged \$2.89 per million Btu for the week ending January 11th, falling 34 percent in the last month. U.S. crude oil and petroleum products imports rose 2.8 percent, while exports decreased 6.8 percent over the last month. Global demand for petroleum expanded 0.6 percent in the fourth quarter of 2018, and global petroleum production edged lower by 0.5 percent in December 2018.

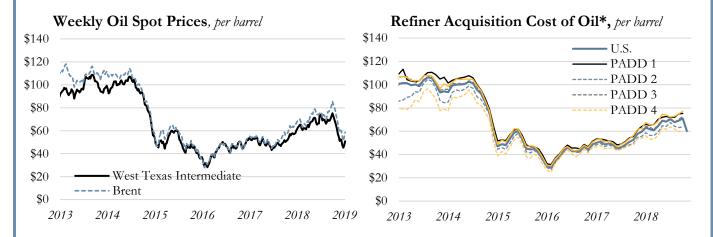
This databook provides current economic indicators to help monitor trends and allow comparison of past information. These indicators include: oil and natural gas prices; global petroleum production and demand; U.S. oil production and petroleum demand; U.S. crude oil stocks; OECD petroleum stocks; U.S. oil imports; U.S. oil exports; oil and gas drilling rig counts; and U.S. natural gas production. These indicators can be found on the following pages.

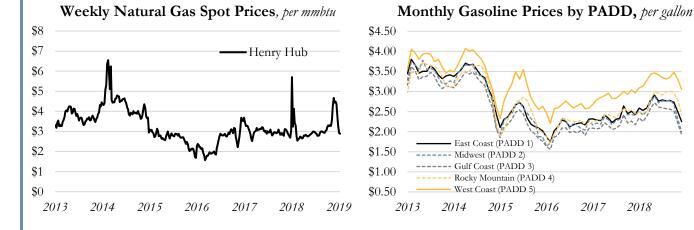


The Federal Reserve Bank of Kansas City's headquarters is located at 1 Memorial Drive in the heart of Kansas City, Missouri. The Federal Reserve Bank of Kansas City serves the Tenth Federal Reserve District, which includes Colorado, Kansas, western Missouri, Nebraska, northern New Mexico, Oklahoma and Wyoming. There are three branches across the Tenth Federal Reserve District located in Denver, Oklahoma City, and Omaha.

### CRUDE OIL & NATURAL GAS SPOT PRICES

Weekly data through January 11, 2019





#### Weekly Spot Prices, Change from

|                         | Current | 1 Week  | 1 Month | 3 months | 6 Months | 1 Year   |
|-------------------------|---------|---------|---------|----------|----------|----------|
| Weekly Spot Prices      | 1/11/19 | Ago     | Ago     | Ago      | Ago      | Ago      |
| West Texas Intermediate | \$50.78 | \$3.78  | -\$0.76 | -\$22.18 | -\$21.18 | -\$12.48 |
| Brent                   | \$58.64 | \$4.33  | -\$0.87 | -\$24.41 | -\$16.65 | -\$10.83 |
| Henry Hub               | \$2.89  | -\$0.03 | -\$1.49 | -\$0.41  | \$0.00   | -\$0.35  |

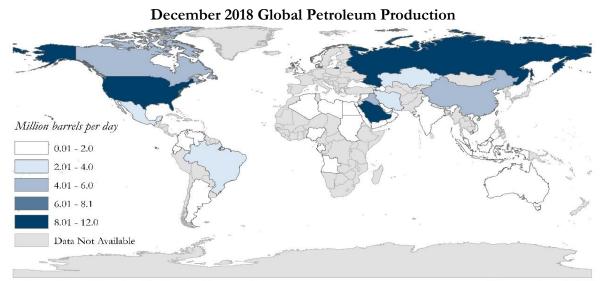
#### Monthly Gasoline Spot Prices, Change from

|                         | Current | 1 Month | 3 months | 6 Months | 1 Year  |
|-------------------------|---------|---------|----------|----------|---------|
| Geographic Area         | Dec-18  | Ago     | Ago      | Ago      | Ago     |
| East Coast (PADD 1)     | \$2.25  | -\$0.25 | -\$0.52  | -\$0.51  | -\$0.18 |
| Midwest (PADD 2)        | \$2.01  | -\$0.31 | -\$0.78  | -\$0.71  | -\$0.40 |
| Gulf Coast (PADD 3)     | \$1.93  | -\$0.29 | -\$0.63  | -\$0.69  | -\$0.24 |
| Rocky Mountain (PADD 4) | \$2.43  | -\$0.37 | -\$0.59  | -\$0.53  | -\$0.02 |
| West Coast (PADD 5)     | \$3.05  | -\$0.26 | -\$0.30  | -\$0.36  | \$0.09  |

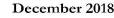
\*The cost of crude oil, including transportation and other fees paid by the refiner. Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics

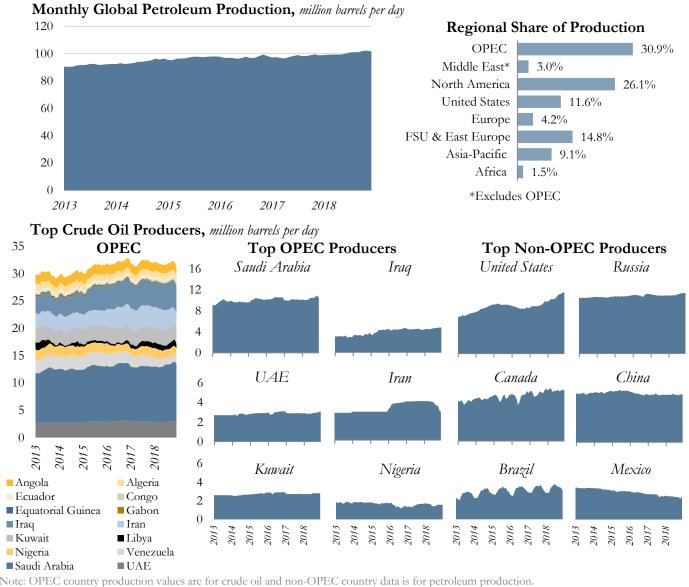


#### **GLOBAL PETROLEUM PRODUCTION**



Source: Energy Information Administration/Haver Analytics

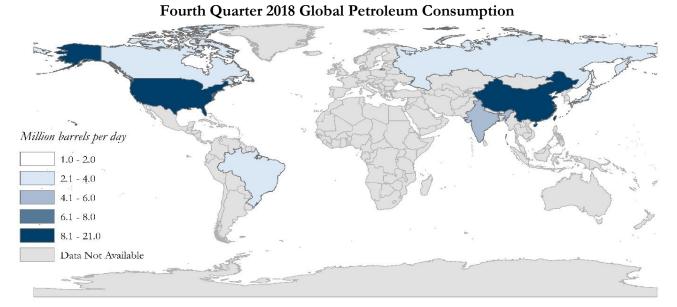




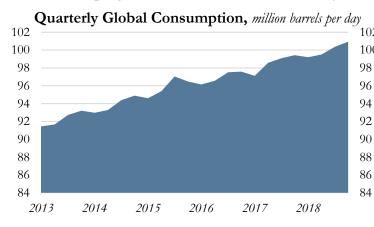
Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics



#### GLOBAL PETROLEUM CONSUMPTION



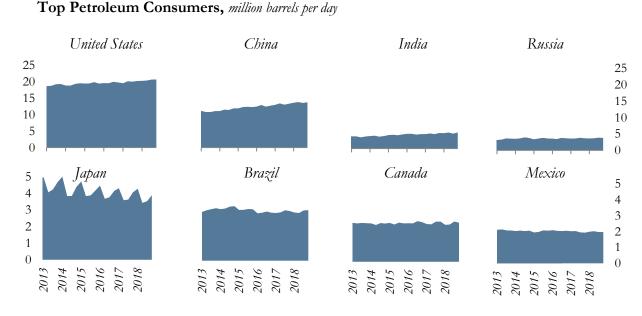
#### Source: Energy Information Administration/Haver Analytics



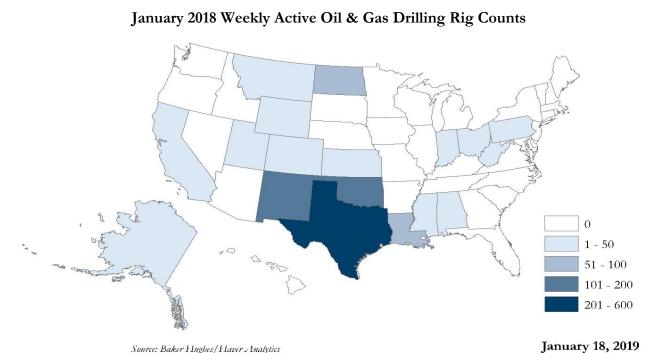
## Fourth Quarter 2018

#### **Regional Share of Consumption**

| ~ | e                         |   |      | -     | -     |
|---|---------------------------|---|------|-------|-------|
| 2 | OECD                      |   |      |       | 47.7% |
| 0 | Non-OECD                  |   |      |       | 52.3% |
|   | Asia and Oceania          |   |      | 35    | .5%   |
| ) | North America             |   | 2    | 24.8% | 0     |
| , | United States             |   | 20   | ).4%  |       |
| ) | Europe                    |   | 14.2 | 2%    |       |
|   | China                     |   | 13.8 | 8%    |       |
|   | Middle East               |   | 8.5% |       |       |
|   | Central and South America |   | 6.9% |       |       |
|   | FSU & Eastern Europe      | 4 | 1.9% |       |       |
|   |                           |   |      |       |       |

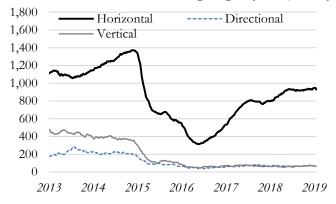


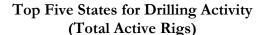
Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics

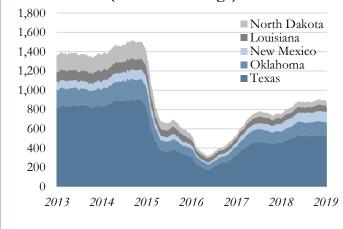


Source: Baker Hughes/Haver Analytics

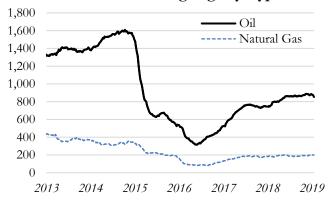
#### U.S. Active Drilling Rigs by Trajectory







U.S. Active Drilling Rigs by Type



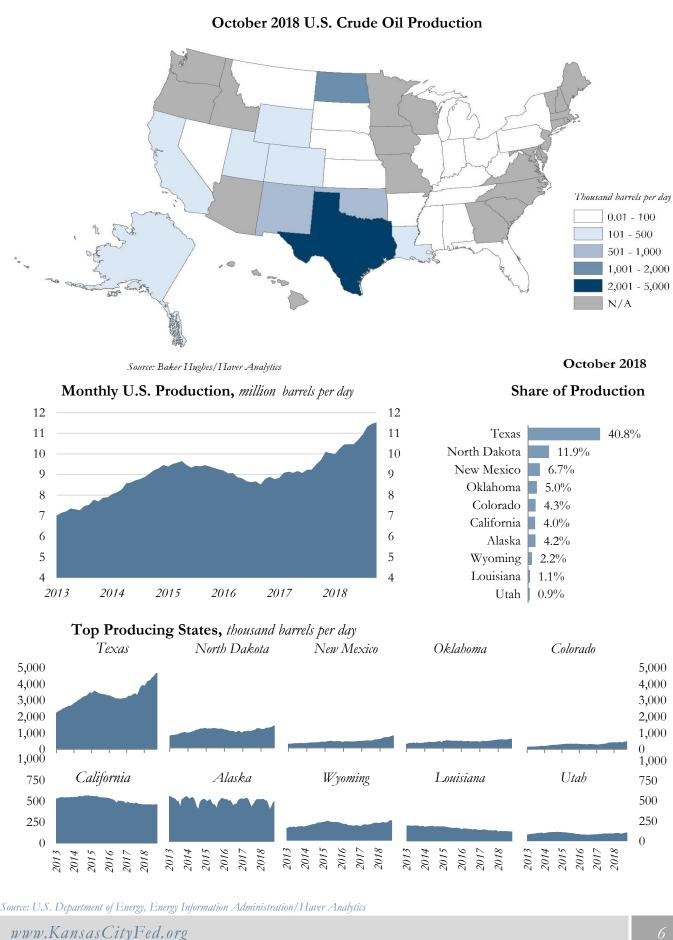
#### **Rig Count By Type**

|          | Current | 1 Month | 3 Months | 1 Year |
|----------|---------|---------|----------|--------|
| Rig Type | Week    | Ago     | Ago      | Ago    |
| Oil      | 852     | 883     | 873      | 747    |
| Gas      | 198     | 197     | 194      | 189    |
| Misc     | 0       | 0       | 0        | 0      |
| Total    | 1050    | 1080    | 1067     | 936    |

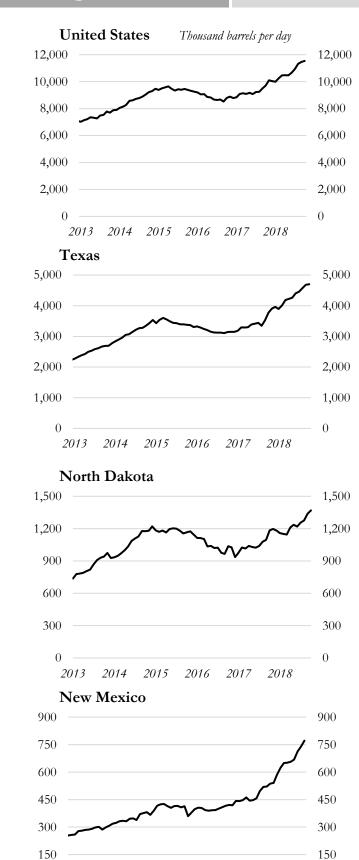
#### Rig Count By Type, Change from

|          | Current | 1 Month | 3 Months | 1 Year |
|----------|---------|---------|----------|--------|
| Rig Type | Week    | Ago     | Ago      | Ago    |
| Oil      | -       | -3.5%   | -2.4%    | 14.1%  |
| Gas      | -       | 0.5%    | 2.1%     | 4.8%   |
| Misc     | -       | -       | -        | -      |
| Total    | -       | -2.8%   | -1.6%    | 12.2%  |

Source: Baker Hughes/Haver Analytics



U.S. CRUDE OIL PRODUCTION



## U.S. CRUDE OIL PRODUCTION

Data through October 2018

| Unit<br>Thousand barr | Change<br>from |       |
|-----------------------|----------------|-------|
| Oct-18                | 11,537         |       |
| Month Ago             | 11,458         | 0.7%  |
| 3 Months Ago          | 10,936         | 5.5%  |
| 6 Months Ago          | 10,475         | 10.1% |
| 1 Year Ago            | 9,703          | 18.9% |

|                   | Texas      | Change |
|-------------------|------------|--------|
| Thousand barrel   | 's per day | from   |
| Oct-18            | 4,701      |        |
| Month Ago         | 4,683      | 0.4%   |
| 3 Months Ago      | 4,456      | 5.5%   |
| 6 Months Ago      | 4,222      | 11.3%  |
| 1 Year Ago        | 3,776      | 24.5%  |
|                   |            |        |
| Share of U.S. Pro | duction    | 40.8%  |

| <b>North</b><br>Thousand barre | Change<br>from |       |
|--------------------------------|----------------|-------|
| Oct-18                         | 1,369          |       |
| Month Ago                      | 1,338          | 2.3%  |
| 3 Months Ago                   | 1,257          | 9.0%  |
| 6 Months Ago                   | 1,211          | 13.1% |
| 1 Year Ago                     | 1,184          | 15.7% |
| Share of U.S. Pro              | 11.9%          |       |

| Nev             | Change       |       |
|-----------------|--------------|-------|
| Thousand barr   | rels per day | from  |
| Oct-18          | 772          |       |
| Month Ago       | 739          | 4.4%  |
| 3 Months Ago    | 668          | 15.5% |
| 6 Months Ago    | 650          | 18.8% |
| 1 Year Ago      | 519          | 48.6% |
|                 |              |       |
| Share of U.S. P | roduction    | 6.7%  |

Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics

2014 2015 2016 2017

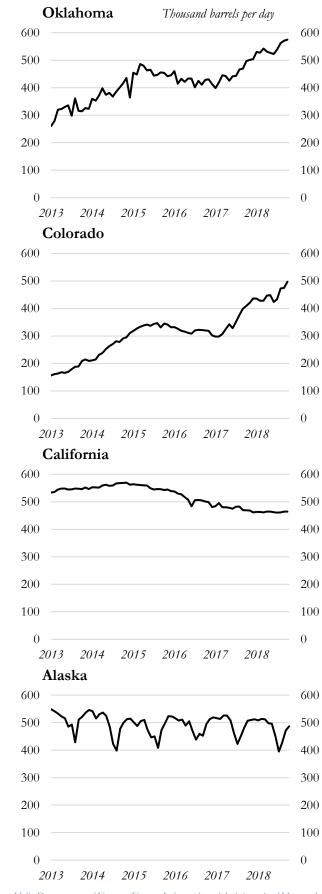
0

2018

www.KansasCityFed.org

0

2013



U.S. CRUDE OIL PRODUCTION

Data through October 2018

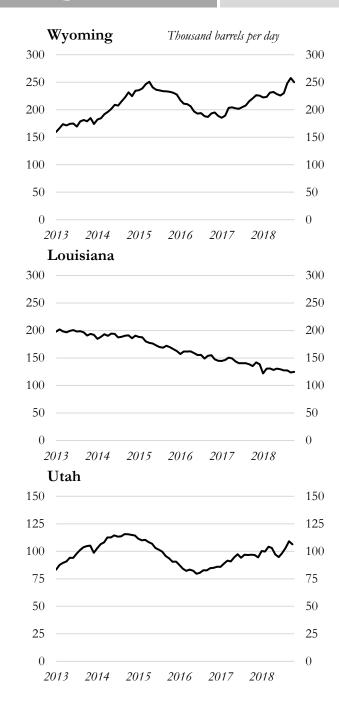
| <b>Okl</b><br>Thousand barrel | Change<br>from |       |
|-------------------------------|----------------|-------|
| Oct-18                        | 575            |       |
| Month Ago                     | 571            | 0.6%  |
| 3 Months Ago                  | 539            | 6.7%  |
| 6 Months Ago                  | 531            | 8.2%  |
| 1 Year Ago                    | 497            | 15.6% |
|                               |                |       |
| Share of U.S. Pro             | duction        | 5.0%  |

| Thousand ba   | Change<br>from |       |
|---------------|----------------|-------|
| Oct-18        | 497            |       |
| Month Ago     | 475            | 4.8%  |
| 3 Months Ago  | 434            | 14.5% |
| 6 Months Ago  | 447            | 11.3% |
| 1 Year Ago    | 409            | 21.4% |
|               |                |       |
| Share of U.S. | 4.3%           |       |

|                 | <b>California</b><br><i>Thousand barrels per day</i> |       |  |  |
|-----------------|--|-------|--|--|
| Oct-18          | 464  | from  |  |  |
| Month Ago       | 464  | 0.0%  |  |  |
| 3 Months Ago    | 461  | 0.8%  |  |  |
| 6 Months Ago    | 465  | -0.1% |  |  |
| 1 Year Ago      | 469  | -1.0% |  |  |
| Share of U.S. P | roduction  | 4.0%  |  |  |

|                   | Alaska     | Change |
|-------------------|------------|--------|
| Thousand barre    | ls per day | from   |
| Oct-18            | 487        |        |
| Month Ago         | 471        | 3.2%   |
| 3 Months Ago      | 395        | 23.3%  |
| 6 Months Ago      | 497        | -2.2%  |
| 1 Year Ago        | 507        | -4.0%  |
|                   |            |        |
| Share of U.S. Pro | oduction   | 4.2%   |

Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics



## U.S. CRUDE OIL PRODUCTION

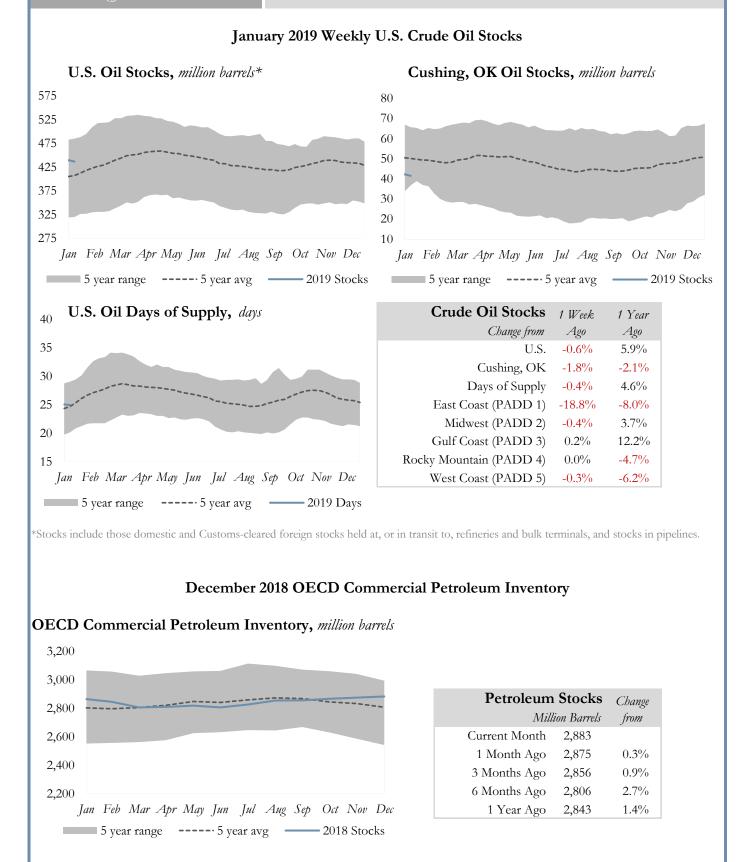
Data through October 2018

| <b>W</b><br>Thousand barrel | Change<br>from |       |
|-----------------------------|----------------|-------|
| Oct-18                      | 250            |       |
| Month Ago                   | 258            | -2.9% |
| 3 Months Ago                | 230            | 8.6%  |
| 6 Months Ago                | 232            | 7.6%  |
| 1 Year Ago                  | 221            | 13.4% |
|                             |                |       |
| Share of U.S. Pro           | duction        | 2.2%  |

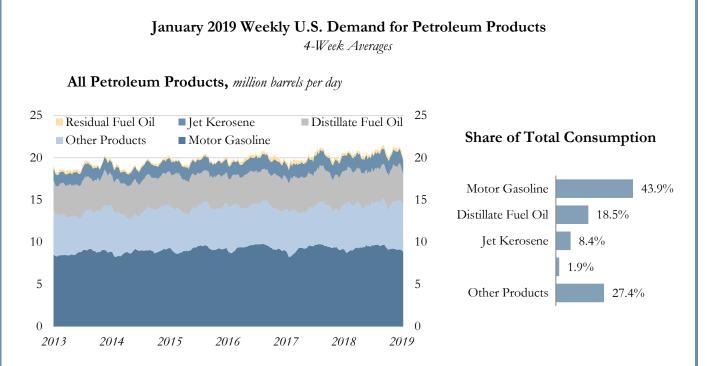
| <b>L</b><br>Thousand barr | ouisiana.<br>rels per day | Change<br>from |
|---------------------------|---------------------------|----------------|
| Oct-18                    | 125                       |                |
| Month Ago                 | 124                       | 1.0%           |
| 3 Months Ago              | 128                       | -2.0%          |
| 6 Months Ago              | 128                       | -2.6%          |
| 1 Year Ago                | 135                       | -7.6%          |
|                           |                           |                |
| Share of U.S. P           | roduction                 | 1.1%           |

|                    | Utah    | Change |
|--------------------|---------|--------|
| Thousand barrels   | per day | from   |
| Oct-18             | 106     |        |
| Month Ago          | 109     | -2.5%  |
| 3 Months Ago       | 98      | 8.1%   |
| 6 Months Ago       | 103     | 3.2%   |
| 1 Year Ago         | 97      | 9.7%   |
|                    |         |        |
| Share of U.S. Proc | duction | 0.9%   |

Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics



#### Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics



## U.S. Consumption by Product & Percent Change

#### U.S. Consumption by Product, thousand barrels per day

|                     | <i>Current</i><br>1/11/19 | 1 Month<br>Ago | 3 Months<br>Ago | 6 Months<br>Ago | 1 Year<br>Ago |
|---------------------|---------------------------|----------------|-----------------|-----------------|---------------|
| All Products        | 20,106                    | 21,206         | 19,989          | 20,694          | 20,543        |
| Motor Gasoline      | 8,818                     | 9,086          | 9,087           | 9,646           | 8,904         |
| Distillate Fuel Oil | 3,712                     | 4,240          | 4,148           | 3,921           | 4,077         |
| Jet Kerosene        | 1,680                     | 1,688          | 1,693           | 1,825           | 1,781         |
| Residual Fuel Oil   | 389                       | 263            | 394             | 324             | 241           |
| Other Products      | 5,507                     | 5,929          | 4,667           | 4,978           | 5,540         |

#### U.S. Consumption by Product, Change from

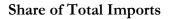
|                     | <i>Current</i><br>1/11/19 | 1 Month<br>Ago | 3 Months<br>Ago | 6 Months<br>Ago | 1 Year<br>Ago |
|---------------------|---------------------------|----------------|-----------------|-----------------|---------------|
| All Products        | -                         | -5.2%          | 0.6%            | -2.8%           | -2.1%         |
| Motor Gasoline      | -                         | -2.9%          | -3.0%           | -8.6%           | -1.0%         |
| Distillate Fuel Oil | -                         | -12.5%         | -10.5%          | -5.3%           | -9.0%         |
| Jet Kerosene        | -                         | -0.5%          | -0.8%           | -7.9%           | -5.7%         |
| Residual Fuel Oil   | -                         | 47.9%          | -1.3%           | 20.1%           | 61.4%         |
| Other Products      | -                         | -7.1%          | 18.0%           | 10.6%           | -0.6%         |

Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics

## January 2019 Weekly U.S. Imports of Crude Oil & Petroleum Products

4-Week Averages

Imports, million barrels per day



79.3%

20.7%

4.6%

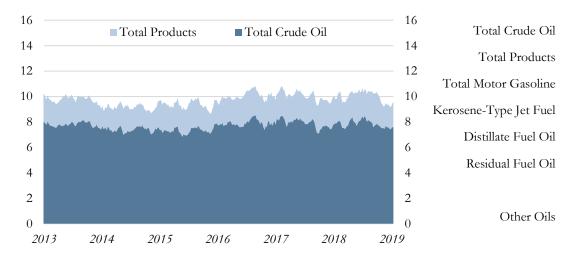
1.0%

2.7%

1.9%

1.9%

8.6%



| U.S. Imports by Product* |         |         |          | Thousand bar | rels per day |
|--------------------------|---------|---------|----------|--------------|--------------|
|                          | Current | 1 Month | 3 Months | 6 Months     | 1 Year       |
|                          | 1/11/19 | Ago     | Ago      | Ago          | Ago          |
| Total Crude Oil          | 7,605   | 7,549   | 7,695    | 8,477        | 7,892        |
| Total Products           | 1,985   | 1,777   | 2,324    | 2,080        | 1,890        |
| Total Motor Gasoline     | 438     | 423     | 666      | 787          | 349          |
| Kerosene-Type Jet Fuel   | 96      | 110     | 153      | 117          | 158          |
| Distillate Fuel Oil      | 259     | 226     | 160      | 97           | 173          |
| Residual Fuel Oil        | 187     | 81      | 323      | 236          | 159          |
| Propane/Propylene        | 183     | 177     | 112      | 99           | 180          |
| Other Oils               | 822     | 760     | 892      | 745          | 871          |
| Total Imports            | 9,590   | 9,326   | 10,019   | 10,557       | 9,782        |

#### U.S. Imports by Product, Change from

|                        | Current | 1 Month | 3 Months | 6 Months | 1 Year |
|------------------------|---------|---------|----------|----------|--------|
|                        | 1/11/19 | Ago     | Ago      | Ago      | Ago    |
| Total Crude Oil        | -       | 0.7%    | -1.2%    | -10.3%   | -3.6%  |
| Total Products         | -       | 11.7%   | -14.6%   | -4.6%    | 5.0%   |
| Total Motor Gasoline   | -       | 3.5%    | -34.2%   | -44.3%   | 25.5%  |
| Kerosene-Type Jet Fuel | -       | -12.7%  | -37.3%   | -17.9%   | -39.2% |
| Distillate Fuel Oil    | -       | 14.6%   | 61.9%    | 167.0%   | 49.7%  |
| Residual Fuel Oil      | -       | 130.9%  | -42.1%   | -20.8%   | 17.6%  |
| Propane/Propylene      | -       | 3.4%    | 63.4%    | 84.8%    | 1.7%   |
| Other Oils             | -       | 8.2%    | -7.8%    | 10.3%    | -5.6%  |
| Total Imports          | -       | 2.8%    | -4.3%    | -9.2%    | -2.0%  |

\*Totals may not sum due to component rounding

Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics

7

6

5

4

3

2

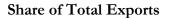
1

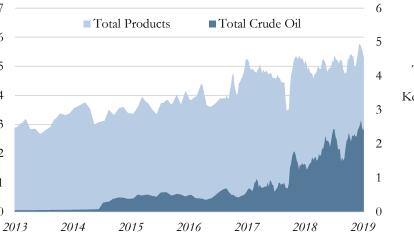
0

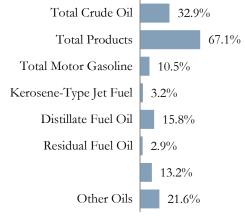
## January 2019 Weekly U.S. Exports of Crude Oil & Petroleum Products

4-Week Averages

Exports, million barrels per day







| U.S. Exports by Product* |         |         |          | Thousand bar | rels per day |
|--------------------------|---------|---------|----------|--------------|--------------|
|                          | Current | 1 Month | 3 Months | 6 Months     | 1 Year       |
|                          | 1/11/19 | Ago     | Ago      | Ago          | Ago          |
| Total Crude Oil          | 2,559   | 2,561   | 2,180    | 2,206        | 1,237        |
| Total Products           | 5,214   | 5,778   | 5,386    | 5,263        | 5,074        |
| Total Motor Gasoline     | 820     | 1,080   | 993      | 755          | 892          |
| Kerosene-Type Jet Fuel   | 246     | 203     | 214      | 225          | 117          |
| Distillate Fuel Oil      | 1,225   | 1,456   | 1,246    | 1,406        | 1,085        |
| Residual Fuel Oil        | 222     | 280     | 267      | 369          | 300          |
| Propane/Propylene        | 1,024   | 925     | 886      | 723          | 856          |
| Other Oils               | 1,678   | 1,834   | 1,781    | 1,786        | 1,825        |
| Total Exports            | 7,774   | 8,339   | 7,566    | 7,469        | 6,311        |

#### U.S. Exports by Product, Change from

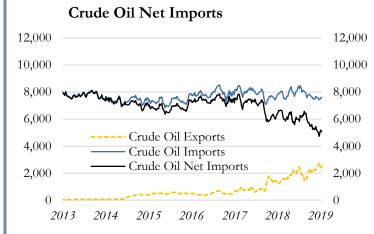
| 1 7 7 7                | <i>Current</i> 1/11/19 | 1 Month<br>Ago | 3 Months<br>Ago | 6 Months<br>Ago | 1 Year<br>Ago |
|------------------------|------------------------|----------------|-----------------|-----------------|---------------|
| Total Crude Oil        | -                      | -0.1%          | 17.4%           | 16.0%           | 106.9%        |
| <b>Total Products</b>  | -                      | -9.8%          | -3.2%           | -0.9%           | 2.8%          |
| Total Motor Gasoline   | -                      | -24.1%         | -17.4%          | 8.6%            | -8.1%         |
| Kerosene-Type Jet Fuel | -                      | 21.2%          | 15.0%           | 9.3%            | 110.3%        |
| Distillate Fuel Oil    | -                      | -15.9%         | -1.7%           | -12.9%          | 12.9%         |
| Residual Fuel Oil      | -                      | -20.7%         | -16.9%          | -39.8%          | -26.0%        |
| Propane / Propylene    | -                      | 10.7%          | 15.6%           | 41.6%           | 19.6%         |
| Other Oils             | -                      | -8.5%          | -5.8%           | -6.0%           | -8.1%         |
| Total Exports          | -                      | -6.8%          | 2.7%            | 4.1%            | 23.2%         |

\*Totals may not sum due to rounding

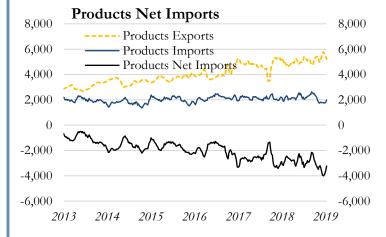
Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics

January 2019 Weekly U.S. Net Imports of Crude Oil & Petroleum Products

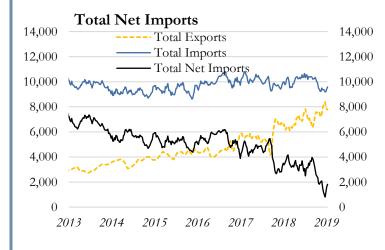
4-Week Averages, Thousand barrels per day



|              | <b>Crude Oil Net Imports</b><br><i>Thousand barrels per day</i> |        |  |  |  |
|--------------|---|--------|--|--|--|
| 1/11/19      | 5,046   |        |  |  |  |
| Month Ago    | 4,988   | 1.2%   |  |  |  |
| 3 Months Ago | 5,515   | -8.5%  |  |  |  |
| 6 Months Ago | 6,271   | -19.5% |  |  |  |
| 1 Year Ago   | 6,655   | -24.2% |  |  |  |

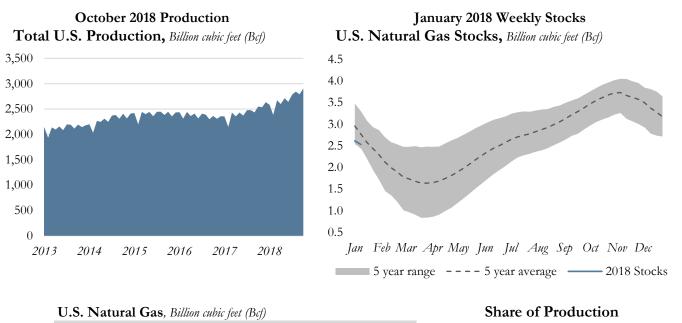


| <b>Products Net</b><br>Thousand barre | Change<br>from |   |
|---------------------------------------|----------------|---|
| 1/11/19                               | -3,230         |   |
| Month Ago                             | -4,001         | - |
| 3 Months Ago                          | -3,062         | - |
| 6 Months Ago                          | -3,184         | - |
| 1 Year Ago                            | -3,184         | - |



| <b>Total Net</b> I<br>Thousand barre | Change<br>from |        |
|--------------------------------------|----------------|--------|
| 1/11/19                              | 1,816          |        |
| Month Ago                            | 988            | 83.8%  |
| 3 Months Ago                         | 2,452          | -25.9% |
| 6 Months Ago                         | 3,088          | -41.2% |
| 1 Year Ago                           | 3,471          | -47.7% |

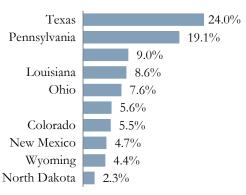
Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics



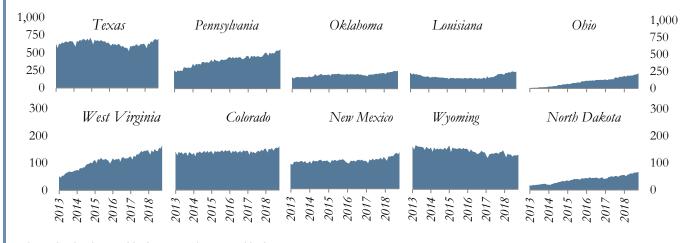
#### **U.S. Natural Gas Production & Stocks**

| Cior i tuturur Guo, Britton thon fill (Big) |         |         |          |          |        |  |  |
|---|---------|---------|----------|----------|--------|--|--|
|   |         | 1 Month | 3 Months | 6 Months | 1 Year |  |  |
|   | Period* | Ago     | Ago      | Ago      | Ago    |  |  |
| U.S. Production                             | 2,905   | 2,790   | 2,784    | 2,598    | 2,550  |  |  |
| U.S. Stocks                                 | 2,533   | 2,773   | 3,037    | 2,248    | 2,584  |  |  |
|   |         |         |          |          |        |  |  |

| U.S. Natural Gas, Change from |         |         |          |          |        |  |  |
|-------------------------------|---------|---------|----------|----------|--------|--|--|
|                               | Current | 1 Month | 3 Months | 6 Months | 1 Year |  |  |
|                               | Period* | Ago     | Ago      | Ago      | Ago    |  |  |
| U.S. Production               | -       | 4.1%    | 4.3%     | 11.8%    | 13.9%  |  |  |
| U.S. Stocks                   | -       | -8.7%   | -16.6%   | 12.7%    | -2.0%  |  |  |



#### Top Producing States, Billion cubic feet (Bcf)



\*U.S. production is monthly data & stocks are weekly data

Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics

www.KansasCityFed.org

#### Definitions:

West Texas Intermediate: A crude oil produced in Texas and southern Oklahoma which serves as a reference or "marker" for pricing a number of other crude streams and is traded in the domestic spot market at Cushing, Oklahoma.

Brent: A blended crude oil produced in the North Sea region which serves as a reference or "marker" for pricing a number of other international crude streams.

Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Refined petroleum products include but are not limited to gasolines, kerosene, distillates (including No. 2 fuel oil), liquefied petroleum gas, asphalt, lubricating oils, diesel fuels, and residual fuels.

#### Notes:

Page 2: Petroleum Administration for Defense Districts (PADD) are geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally defined during World War II for purposes of administering oil allocation. For more information, visit: http://www.eia.gov/petroleum/supply/monthly/pdf/append.pdf

Page 3: For OPEC countries & the U.S., only crude oil production data is used. For non-OPEC countries (excluding the U.S.) total petroleum production data is used. Total petroleum production includes includes production of crude oil (including lease condensates), natural gas plant liquids, biofuels, other liquids, and refinery processing gains.

*Page 5*: The active rig count is the number of rigs actively exploring for or developing oil or natural gas. Rig counts provide an indicator of new drilling activity and potential for expanded crude oil or natural gas production.

*Pages 10:* Crude oil stocks are stocks of crude oil and lease condensate held at refineries, in pipelines, at pipeline terminals, and on leases.

Crude oil stocks for Cushing include domestic and foreign crude oil stocks held in tank farms in Lincoln, Payne, and Creek counties in Oklahoma. Cushing, Oklahoma, is the designated delivery point for NYMEX crude oil futures contracts.

Days of supply are calculated by taking the current stock level and dividing by product supplied (used as an estimate of demand) averaged over the most recent four-week period. For crude oil, refinery inputs of crude oil are used as a proxy for demand.

#### Notes :

Page 11: Petroleum Consumption approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas-processing plants, blending plants, pipelines, and bulk terminals.

#### **Data Revisions**

Most data are revised periodically to correct for errors and incorporate additional information as it becomes available. Data shown in this report are subject to change.

## Regional Economic Analysis

Sign up to receive *The U.S. Energy Databook* and other publications each month via email using the link below:

http://www.kansascityfed.org/ealert/

For more analysis on the U.S. energy industry, read the latest release of *The Tenth District Energy Survey*. *https://www.kansascityfed.org/research/indicatorsdata/energy* 

## Additional Resources Available

Banker Resources

Economic Indicators

• Economic Research

Educational Tools

- Agricultural Surveys
- Manufacturing Survey
- Energy Survey
- Regional Economic Analysis
- Speeches

Visit: www.KansasCityFed.org

