# U.S. Energy 



NOVEMBER 8, 2023
Federal Reserve Bank of Kansas City

## SUMMARY OF CURRENT ENERGY CONDITIONS

Since the last edition of the U.S. Energy Databook, activity in the energy sector decreased moderately. For the week ending October 27, West Texas Intermediate (WTI) crude oil averaged $\$ 85.20$ per barrel and North Sea Brent averaged $\$ 89.84$ per barrel, increasing $6.9 \%$ and $7.5 \%$ respectively over the last quarter. The Henry Hub natural gas spot price averaged $\$ 2.89$ per million Btu for the week ending October 27 , increasing $11.6 \%$ over the last three months. In October, the total number of active drilling rigs in the United States declined by $5.9 \%$ from three months ago. U.S. crude oil production increased $0.7 \%$ from a month ago and is up $2.8 \%$ from three months ago. U.S. crude oil and petroleum products exports increased $1.5 \%$ in the last quarter and imports decreased $6.6 \%$. Global demand for petroleum increased $0.7 \%$ and global petroleum production declined roughly $0.1 \%$ over the last quarter.

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.


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Weekly Natural Gas Spot Prices, per mmbtu

\$0



Monthly Gasoline Prices by PADD, per gallon

\$1.00
$\$ 0.00$
201520162017201820192020202120222023

Weekly Spot Prices, Change from

|  | Current | 1 Week | 1 Month | 3 months | 6 Months | 1 Year |
| ---: | :--- | :---: | :---: | :---: | :---: | :---: |
| Weekly Spot Prices | $10 / 27 / 23$ | Ago | Ago | Ago | Ago | Ago |
| West Texas Intermediate | $\$ 85.20$ | $-\$ 2.83$ | $-\$ 6.24$ | $\$ 5.52$ | $\$ 8.89$ | $-\$ 2.67$ |
| Brent | $\$ 89.84$ | $-\$ 2.63$ | $-\$ 5.77$ | $\$ 6.29$ | $\$ 8.44$ | $-\$ 3.17$ |
| Henry Hub | $\$ 2.89$ | $\$ 0.03$ | $\$ 0.23$ | $\$ 0.30$ | $\$ 0.68$ | $-\$ 2.23$ |

Monthly Gasoline Spot Prices, Change from

|  | Current | 1 Month | 3 months | 6 Months | 1 Year |
| ---: | :---: | :---: | :---: | :---: | :---: |
| Geographic Area | Oct-23 | Ago | Ago | Ago | Ago |
| East Coast (PADD 1) | $\$ 3.42$ | $-\$ 0.22$ | $-\$ 0.05$ | $-\$ 0.05$ | $-\$ 0.05$ |
| Midwest (PADD 2) | $\$ 3.37$ | $-\$ 0.29$ | $-\$ 0.06$ | $-\$ 0.14$ | $-\$ 0.37$ |
| Gulf Coast (PADD 3) | $\$ 3.11$ | $-\$ 0.27$ | $-\$ 0.10$ | $-\$ 0.14$ | $-\$ 0.11$ |
| Rocky Mountain (PADD 4) | $\$ 3.74$ | $-\$ 0.28$ | $-\$ 0.04$ | $\$ 0.25$ | $-\$ 0.13$ |
| West Coast (PADD 5) | $\$ 5.03$ | $-\$ 0.05$ | $\$ 0.47$ | $\$ 0.55$ | $-\$ 0.37$ |

[^0]Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics


Monthly Global Petroleum Production, million barrels per day


September 2023


Top Crude Oil Producers, million barrels per day


Note: OPEC country production values are for crude oil and non-OPEC country data is for petroleum production.
Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics


Source: Energy Information Administration/Haver Analytics
Quarterly Global Consumption, million barrels per day


80

Third Quarter 2023
Regional Share of Consumption


Top Petroleum Consumers, million barrels per day


October 2023 Weekly Active Oil \& Gas Drilling Rig Counts


Source: Baker Hughes/Haver Analytics
U.S. Active Drilling Rigs by Trajectory


Top Five States for Drilling Activity (Total Active Rigs)

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 | 504 | 502 | 529 | 610 |
| Gas | 117 | 116 | 128 | 156 |
| Misc | 4 | 5 | 7 | 2 |
| Total | $\mathbf{6 2 5}$ | $\mathbf{6 2 3}$ | $\mathbf{6 6 4}$ | $\mathbf{7 6 8}$ |

Rig Count By Type, Change from

|  | Current | 1 Month | 3 Months | 1 Year |
| :---: | :---: | :---: | :---: | :---: |
| Rig Type | Week | Ago | Ago | Ago |
| Oil | - | $0.4 \%$ | $-4.7 \%$ | $-17.4 \%$ |
| Gas | - | $0.9 \%$ | $-8.6 \%$ | $-25.0 \%$ |
| Misc | - | $-20.0 \%$ | $-42.9 \%$ | $100.0 \%$ |
| Total | - | $\mathbf{0 . 3 \%}$ | $\mathbf{- 5 . 9 \%}$ | $\mathbf{- 1 8 . 6 \%}$ |

August 2023 U.S. Crude Oil Production


Source: Energy Information Administration/Haver Analytics
Monthly U.S. Production, million barrels per day


Share of Production


Top Producing States, thousand barrels per day


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

$0-4$
Texas


New Mexico


## North Dakota



Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics www.KansasCity Fed.org


## Oklahoma



300
200
100
0
2014201520162017201820192020202120222023

## Alaska



## California



| Colorado | Change |
| ---: | ---: | :---: |
| Thousand barrels per day | from |$|$| Aug-23 | 463 |  |
| ---: | ---: | ---: |
| Month Ago | 452 | $2.4 \%$ |
| 3 Months Ago | 456 | $1.6 \%$ |
| 6 Months Ago | 420 | $10.2 \%$ |
| 1 Year Ago | 437 | $5.8 \%$ |
|  |  |  |
| Share of U.S. Production | $3.5 \%$ |  |


| Oklahoma | Change <br> from |  |
| ---: | ---: | :---: |
| Thousand barrels per day |  |  |
| Aug-23 | 428 |  |
| Month Ago | 438 | $-2.4 \%$ |
| 3 Months Ago | 444 | $-3.8 \%$ |
| 6 Months Ago | 422 | $1.2 \%$ |
| 1 Year Ago | 414 | $3.3 \%$ |
|  |  |  |
| Share of U.S. Production | $3.3 \%$ |  |


| Alaska <br> Thousand barrels per day |  | Change from |
| :---: | :---: | :---: |
| Aug-23 | 396 |  |
| Month Ago | 397 | -0.3\% |
| 3 Months Ago | 430 | -8.0\% |
| 6 Months Ago | 446 | -11.3\% |
| 1 Year Ago | 413 | -4.2\% |
| Share of U.S. P | ction | 3.0\% |


| California | Change |
| ---: | ---: | :---: |
| Thousand barrels per day | from |$|$| Aug-23 | 306 |  |
| ---: | ---: | ---: |
| Month Ago | 308 | $-0.7 \%$ |
| 3 Months Ago | 310 | $-1.4 \%$ |
| 6 Months Ago | 303 | $0.9 \%$ |
| 1 Year Ago | 328 | $-6.8 \%$ |
|  |  |  |
| Share of U.S. Production | $2.3 \%$ |  |

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

| 400 | Wyoming Thousand barrels per day |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Wyoming <br> Thousand barrels per day |  | Change <br> from |
| 350 |  |  |  |  |
| 300 |  | Aug-23 | 273 |  |
| 2 | ~NTH | Month Ago | 263 | 3.6\% |
| 200 | - | 3 Months Ago | 260 | 4.8\% |
|  |  | 6 Months Ago | 243 | 12.4\% |
| 150 |  | 1 Year Ago | 255 | 7.1\% |
| 100 |  |  |  |  |
| 50 |  | Share of U.S. P | ction | 2.1\% |

0 2014201520162017201820192020202120222023


50

0
2014201520162017201820192020202120222023
Louisiana


| Utah |  |  |
| :---: | :---: | :---: |
| Change |  |  |
| Thousand barrels per day | from |  |$|$| Aug-23 | 159 |  |
| :---: | :---: | :---: |
| Month Ago | 151 | $5.6 \%$ |
| 3 Months Ago | 154 | $3.0 \%$ |
| 6 Months Ago | 132 | $20.8 \%$ |
| 1 Year Ago | 140 | $13.6 \%$ |
|  |  |  |
| Share of U.S. Production | $1.2 \%$ |  |


| Louisiana |
| :---: | ---: | :---: | | Change |
| :---: |
| Thousand barrels per day |
| from |$|$| Aug-23 | 96 |  |
| :---: | ---: | :--- |
| Month Ago | 93 | $3.1 \%$ |
| 3 Months Ago | 93 | $3.2 \%$ |
| 6 Months Ago | 100 | $-3.4 \%$ |
| 1 Year Ago | 99 | $-2.5 \%$ |
|  |  |  |
| Share of U.S. Production | $0.7 \%$ |  |

## October 2023 Weekly U.S. Crude Oil Stocks

U.S. Oil Stocks, million barrels*


375
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
5 year range ----.. 5 year avg _ 2023 Stocks

45
U.S. Oil Days of Supply, days


20
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 5 year range $-=-=-5$ year avg 2023 Days


15
Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 5 year range -----. 5 year avg _ 2023 Stocks

| Crude Oil Stocks | 1 Week | 1 Year |
| ---: | :---: | :---: |
| Change from | Ago | Ago |
| U.S. | $0.2 \%$ | $-3.4 \%$ |
| Cushing, OK | $1.3 \%$ | $-23.7 \%$ |
| Days of Supply | $0.7 \%$ | $-1.4 \%$ |
| East Coast (PADD 1) | $3.7 \%$ | $3.7 \%$ |
| Midwest (PADD 2) | $1.0 \%$ | $-7.8 \%$ |
| Gulf Coast (PADD 3) | $-0.3 \%$ | $-1.7 \%$ |
| Rocky Mountain (PADD 4) | $0.2 \%$ | $1.1 \%$ |
| West Coast (PADD 5) | $0.2 \%$ | $-5.2 \%$ |

*Stocks include those domestic and Customs-cleared foreign stocks held at, or in transit to, refineries and bulk terminals, and stocks in pipelines.

## October 2023 OECD Commercial Petroleum Inventory

OECD Commercial Petroleum Inventory, million barrels


October 2023 Weekly U.S. Demand for Petroleum Products
4-Week, Averages
All Petroleum Products, million barrels per day

U.S. Consumption by Product \& Percent Change
U.S. Consumption by Product, thousand barrels per day

|  | $\begin{aligned} & \text { Current } \\ & \text { 10/27/23 } \end{aligned}$ | 1 Month Ago | 3 Months Ago | 6 Months <br> Ago | $\begin{aligned} & 1 \text { Year } \\ & \text { Ago } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| All Products | 20,384 | 20,301 | 20,192 | 19,596 | 20,275 |
| Motor Gasoline | 8,771 | 8,337 | 8,847 | 8,896 | 8,636 |
| Distillate Fuel Oil | 3,959 | 3,883 | 3,546 | 3,782 | 4,144 |
| Jet Kerosene | 1,600 | 1,688 | 1,663 | 1,555 | 1,481 |
| Residual Fuel Oil | 272 | 211 | 277 | 168 | 260 |
| Other Products | 4,821 | 5,427 | 5,044 | 4,289 | 4,721 |

U.S. Consumption by Product, Change from

|  | Current | 1 Month | 3 Months | 6 Months | 1 Year |
| ---: | :---: | :---: | :---: | :---: | :---: |
|  | $10 / 27 / 23$ | Ago | Ago | Ago | Ago |
| All Products | - | $0.4 \%$ | $1.0 \%$ | $4.0 \%$ | $0.5 \%$ |
| Motor Gasoline | - | $5.2 \%$ | $-0.9 \%$ | $-1.4 \%$ | $1.6 \%$ |
| Distillate Fuel Oil | - | $2.0 \%$ | $11.6 \%$ | $4.7 \%$ | $-4.5 \%$ |
| Jet Kerosene | - | $-5.2 \%$ | $-3.8 \%$ | $2.9 \%$ | $8.0 \%$ |
| Residual Fuel Oil | - | $28.9 \%$ | $-1.8 \%$ | $61.9 \%$ | $4.6 \%$ |
| Other Products | - | $-11.2 \%$ | $-4.4 \%$ | $12.4 \%$ | $2.1 \%$ |

## October 2023 Weekly U.S. Imports of Crude Oil \& Petroleum Products

4-Week Averages

Imports, million barrels per day
Share of Total Imports



| U.S. Imports by Product* |  | Thousand barrels per day |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Current | 1 Month | $\mathbf{3}$ Months | 6 Months | 1 Year |
|  | $10 / 27 / 23$ | Ago | Ago | Ago | Ago |
| Total Crude Oil | $\mathbf{6 , 1 7 7}$ | $\mathbf{6 , 8 8 6}$ | $\mathbf{6 , 5 2 3}$ | $\mathbf{6 , 3 1 5}$ | $\mathbf{6 , 0 8 9}$ |
| Total Products | $\mathbf{1 , 7 5 3}$ | $\mathbf{1 , 8 0 0}$ | $\mathbf{1 , 9 6 8}$ | $\mathbf{2 , 2 3 2}$ | $\mathbf{1 , 9 5 4}$ |
| Total Motor Gasoline | 626 | 759 | 799 | 833 | 529 |
| Kerosene-Type Jet Fuel | 105 | 97 | 73 | 153 | 146 |
| Distillate Fuel Oil | 96 | 117 | 101 | 146 | 113 |
| Residual Fuel Oil | 114 | 93 | 76 | 89 | 204 |
| Propane/Propylene | 103 | 85 | 82 | 95 | 94 |
| Other Oils | 709 | 645 | 837 | 917 | 862 |
| Total Imports | $\mathbf{7 , 9 3 0}$ | $\mathbf{8 , 6 8 6}$ | $\mathbf{8 , 4 9 1}$ | $\mathbf{8 , 5 4 7}$ | $\mathbf{8 , 0 4 3}$ |

U.S. Imports by Product, Change from

|  | Current |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | $10 / 27 / 23$ | Month | 3 Months | 6 Months | 1 Year |
| Total Crude Oil | - | Ago | Ago | Ago |  |
| Total Products | - | $\mathbf{- 1 0 . 3} \%$ | $\mathbf{- 5 . 3} \%$ | $\mathbf{- 2 . 2 \%}$ | $1.4 \%$ |
| Total Motor Gasoline | - | $\mathbf{- 2 . 6 \%}$ | $\mathbf{- 1 0 . 9 \%}$ | $\mathbf{- 2 1 . 5 \%}$ | $\mathbf{- 1 0 . 3 \%}$ |
| Kerosene-Type Jet Fuel | - | $-17.5 \%$ | $-21.7 \%$ | $-24.8 \%$ | $18.3 \%$ |
| Distillate Fuel Oil | - | $8.2 \%$ | $43.8 \%$ | $-31.4 \%$ | $-28.1 \%$ |
| Residual Fuel Oil | - | $-17.9 \%$ | $-5.0 \%$ | $-34.2 \%$ | $-15.0 \%$ |
| Propane/Propylene | - | $22.6 \%$ | $50.0 \%$ | $28.1 \%$ | $-44.1 \%$ |
| Other Oils | - | $21.2 \%$ | $25.6 \%$ | $8.4 \%$ | $9.6 \%$ |
| Total Imports | - | $9.9 \%$ | $-15.3 \%$ | $-22.7 \%$ | $-17.7 \%$ |
|  |  | $\mathbf{- 8 . 7 \%}$ | $\mathbf{- 6 . 6 \%}$ | $\mathbf{- 7 . 2} \%$ | $\mathbf{- 1 . 4 \%}$ |

[^1]Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics

October 2023 Weekly U.S. Exports of Crude Oil \& Petroleum Products

4-Week. Averages

Exports, million barrels per day


Share of Total Exports


| U.S. Exports by Product* |  | Thousand barrels per day |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Current | 1 Month | 3 Months | 6 Months | 1 Year |
|  | $10 / 27 / 23$ | Ago | Ago | Ago | Ago |
| Total Crude Oil | $\mathbf{4 , 5 2 5}$ | $\mathbf{4 , 2 8 1}$ | $\mathbf{3 , 9 5 8}$ | $\mathbf{4 , 2 1 4}$ | $\mathbf{4 , 0 1 6}$ |
| Total Products | $\mathbf{6 , 1 9 6}$ | $\mathbf{6 , 1 1 4}$ | $\mathbf{6 , 6 0 8}$ | $\mathbf{6 , 0 1 9}$ | $\mathbf{6 , 0 5 5}$ |
| Total Motor Gasoline | 982 | 927 | 1,001 | 826 | 887 |
| Kerosene-Type Jet Fuel | 165 | 144 | 187 | 124 | 164 |
| Distillate Fuel Oil | 1,088 | 1,080 | 1,361 | 1,106 | 1,112 |
| Residual Fuel Oil | 99 | 113 | 164 | 121 | 131 |
| Propane/Propylene | 1,753 | 1,729 | 1,523 | 1,559 | 1,471 |
| Other Oils | 2,018 | 2,028 | 2,282 | 2,284 | 2,291 |
| Total Exports | $\mathbf{1 0 , 7 2 0}$ | $\mathbf{1 0 , 3 9 5}$ | $\mathbf{1 0 , 5 6 6}$ | $\mathbf{1 0 , 2 3 2}$ | $\mathbf{1 0 , 0 7 1}$ |

U.S. Exports by Product, Change from

|  | Current | 1 Month | 3 Months | 6 Months | 1 Year |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | $10 / 27 / 23$ | Ago | Ago | Ago | Ago |
| Total Crude Oil | - | $\mathbf{5 . 7 \%}$ | $\mathbf{1 4 . 3} \%$ | $\mathbf{7 . 4 \%}$ | $12.7 \%$ |
| Total Products | - | $\mathbf{1 . 3 \%}$ | $\mathbf{- 6 . 2 \%}$ | $\mathbf{2 . 9 \%}$ | $\mathbf{2 . 3 \%}$ |
| Total Motor Gasoline | - | $5.9 \%$ | $-1.9 \%$ | $18.9 \%$ | $10.7 \%$ |
| Kerosene-Type Jet Fuel | - | $14.6 \%$ | $-11.8 \%$ | $33.1 \%$ | $0.6 \%$ |
| Distillate Fuel Oil | - | $0.7 \%$ | $-20.1 \%$ | $-1.6 \%$ | $-2.2 \%$ |
| Residual Fuel Oil | - | $-12.4 \%$ | $-39.6 \%$ | $-18.2 \%$ | $-24.4 \%$ |
| Propane Propylene | - | $1.4 \%$ | $15.1 \%$ | $12.4 \%$ | $19.2 \%$ |
| Other Oils | - | $-0.5 \%$ | $-11.6 \%$ | $-11.6 \%$ | $-11.9 \%$ |
| Total Exports | - | $\mathbf{3 . 1} \%$ | $\mathbf{1 . 5 \%}$ | $\mathbf{4 . 8 \%}$ | $\mathbf{6 . 4 \%}$ |

*Totals may not sum due to rounding
Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics

October 2023 Weekly U.S. Net Imports of Crude Oil \& Petroleum Products
4-Week. Averages, Thousand barrels per day


Products Net Imports

| 10,000 |  | 10,000 |
| :---: | :---: | :---: |
| 8,000 | $\qquad$ Products Imports | 8,000 |
| 6,000 | —— Products Net Imports emoronere | 6,000 |
| 4,000 |  | 4,000 |
| 2,000 |  | 2,000 |
| 0 |  | 0 |
| $\begin{aligned} & -2,000 \\ & -4,000 \end{aligned}$ |  | $-2,000$ $-4,000$ |

-6,000

$$
2^{1^{x}} 2^{0^{15}} 2^{0^{6}} 2^{19} \quad 0^{18} \quad 0^{0^{19}} 2^{02} \quad 2^{02} \quad 2^{22} \quad 0^{23}
$$

## Total Net Imports

| 14,000 |  | 14,000 |
| :---: | :---: | :---: |
| 12,000 |  | 12,000 |
| 10,000 |  | 10,000 8,000 |
| 6,000 |  | 6,000 |
| 4,000 |  | 4,000 |
| 2,000 |  | 2,000 |
| -2,000 |  | 0 |
| -2,000 |  | -2,000 |
| -4,000 |  | -4,000 |


| Total Net Imports | Change |  |
| ---: | ---: | :---: |
| Thousand barrels per day | from |  |
| $10 / 27 / 23$ | $-2,790$ |  |
| Month Ago | $-1,710$ | - |
| 3 Months Ago | $-2,075$ | - |
| 6 Months Ago | $-1,685$ | - |
| 1 Year Ago | $-2,028$ | - |

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


U.S. Natural Gas, Billion cubic feet (Bcf)

|  | Current <br> Period* | 1 Month | Agontbs | AMontbs | Agear |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Ago | Ago | Ago |  |  |
| U.S. Production | 3,529 | 3,495 | 3,500 | 3,103 | 3,392 |
| U.S. Stocks | 3,700 | 3,359 | 2,987 | 2,009 | 3,394 |

U.S. Natural Gas, Change from

|  | Current <br>  <br>  <br> Period* | 1 Month | Ago | Months | Agontbs |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Ago | Aear | Ago |  |  |  |
| U.S. Production | - | $1.0 \%$ | $0.8 \%$ | $13.7 \%$ | $4.0 \%$ |
| U.S. Stocks | - | $10.2 \%$ | $23.9 \%$ | $84.2 \%$ | $9.0 \%$ |

Share of Production


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

## 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: bttp:/ / 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

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[^0]:    *The cost of crude oil, including transportation and other fees paid by the refiner.

[^1]:    *Totals may not sum due to component rounding

