

THE U.S. Energy DATABOOK

A summary of national and global energy indicators



MAY 28, 2025

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 slightly. For the week ending March 28, West Texas Intermediate (WTI) crude oil averaged \$69.81 per barrel and North Sea Brent averaged \$74.35 per barrel, decreasing 1% and rising 1.7% respectively over the last quarter. The Henry Hub natural gas spot price averaged \$3.26 per million Btu for the week ending March 28, decreasing 40.4% over the last three months. Over the last quarter, the total number of active drilling rigs in the United States fell slightly by 0.2% and is 4.7% below year-ago levels. U.S. crude oil production rose slightly by 0.2% compared to three months ago. U.S. crude oil and petroleum products exports fell by 0.5% in the last quarter and imports fell by 0.7%. Global demand for petroleum increased 0.4% and global petroleum production was roughly unchanged over the last quarter.

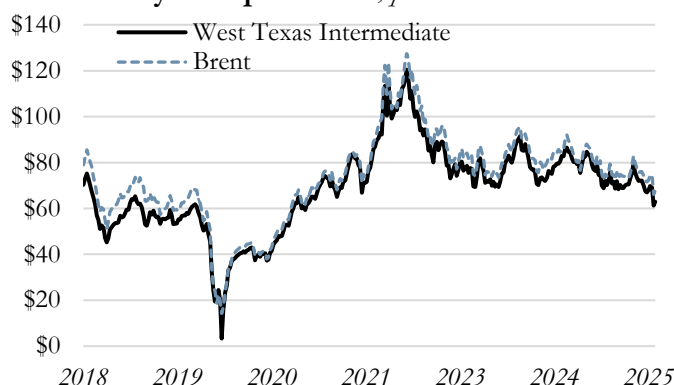
This databook provides current economic indicators to help monitor trends and allow comparison of past information. These indicators include: oil and natural gas prices; global petroleum production and demand; U.S. oil production and petroleum demand; U.S. crude oil stocks; OECD petroleum stocks; U.S. 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.



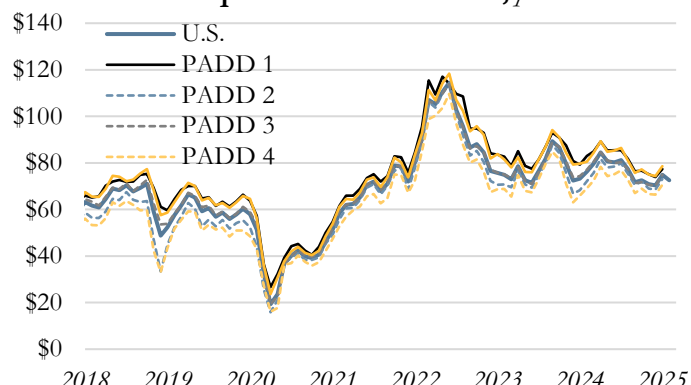
The Federal Reserve Bank of Kansas City's headquarters is located at 1 Memorial Drive in the heart of Kansas City, Missouri. The Federal Reserve Bank of Kansas City serves the Tenth Federal Reserve District, which includes Colorado, Kansas, western Missouri, Nebraska, northern New Mexico, Oklahoma and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

Weekly data through March 28, 2025

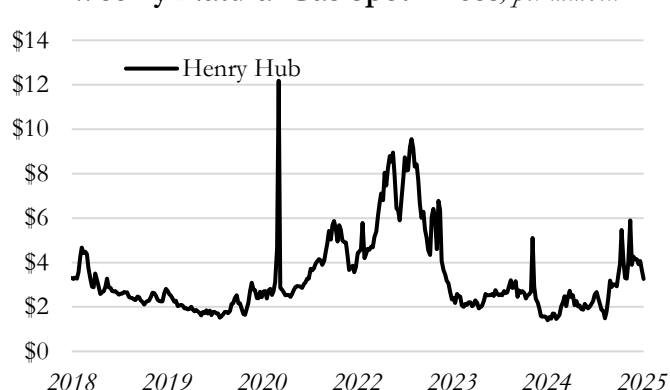
Weekly Oil Spot Prices, per barrel



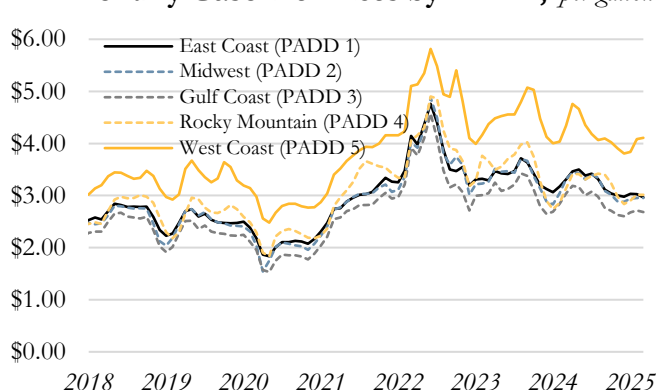
Refiner Acquisition Cost of Oil*, per barrel



Weekly Natural Gas Spot Prices, per mmbtu



Monthly Gasoline Prices by PADD, per gallon



Weekly Spot Prices, Change from

Weekly Spot Prices	Current 3/28/25	1 Week Ago	1 Month Ago	3 Months Ago	6 Months Ago	1 Year Ago
West Texas Intermediate	\$69.81	\$1.85	-\$0.12	-\$0.70	-\$0.41	-\$12.92
Brent	\$74.35	\$2.14	\$0.10	\$1.22	\$0.28	-\$11.45
Henry Hub	\$3.26	-\$0.42	-\$0.88	-\$2.21	\$1.11	\$1.80

Monthly Gasoline Spot Prices, Change from

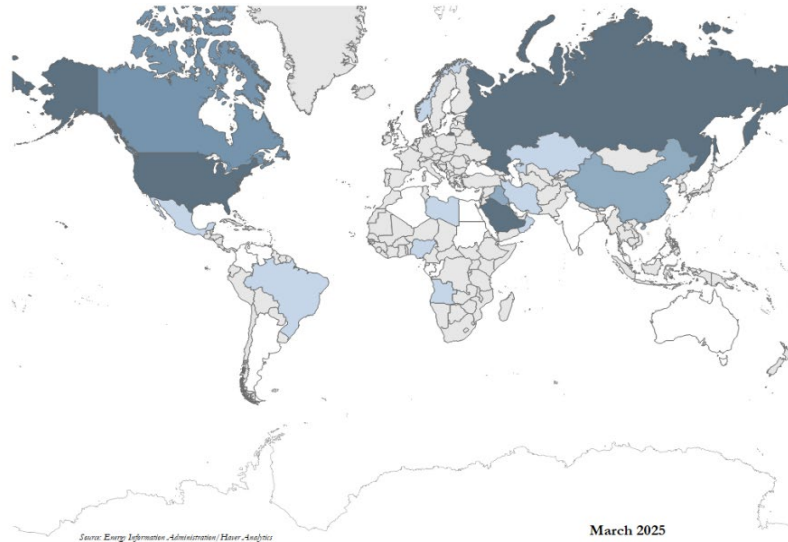
Geographic Area	Current Mar-25	1 Month Ago	3 Months Ago	6 Months Ago	1 Year Ago
East Coast (PADD 1)	\$2.96	-\$0.06	-\$0.01	-\$0.15	-\$0.35
Midwest (PADD 2)	\$2.95	\$0.00	\$0.07	-\$0.14	-\$0.36
Gulf Coast (PADD 3)	\$2.68	-\$0.03	\$0.08	-\$0.08	-\$0.36
Rocky Mountain (PADD 4)	\$3.02	\$0.00	\$0.18	-\$0.39	-\$0.12
West Coast (PADD 5)	\$4.11	\$0.02	\$0.30	\$0.01	-\$0.23

*The cost of crude oil, including transportation and other fees paid by the refiner.

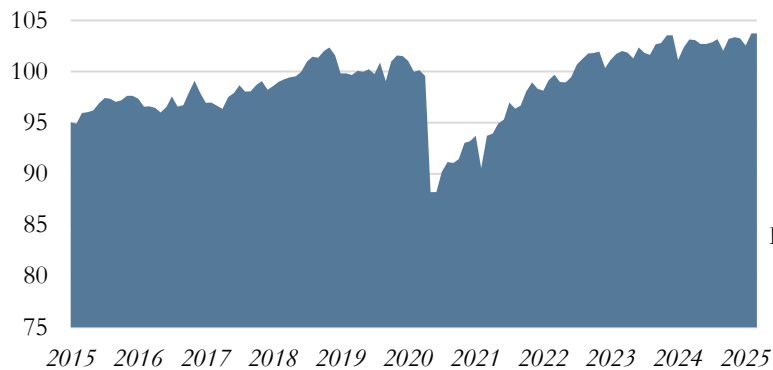
Source: U.S. Department of Energy, Energy Information Administration/Haver Analytics

March 2025 Global Petroleum Production

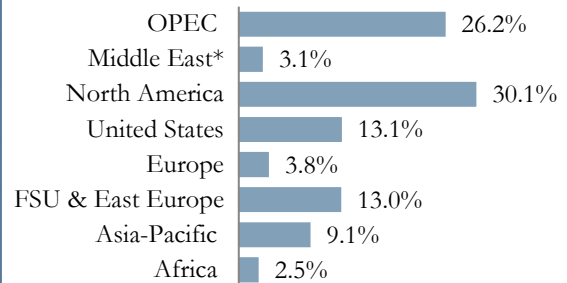
Million barrels per day



Monthly Global Petroleum Production, million barrels per day



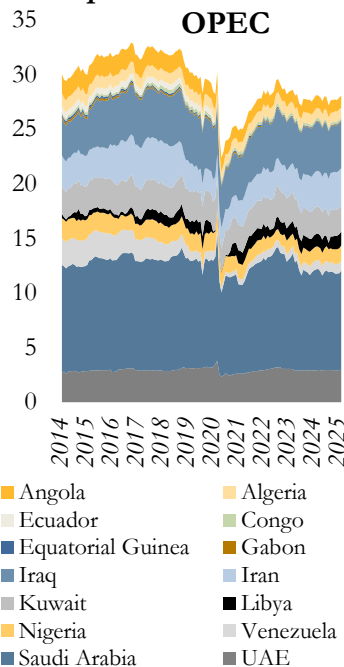
Regional Share of Production



*Excludes OPEC

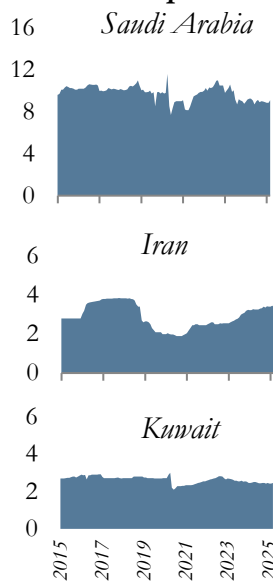
Top Crude Oil Producers, million barrels per day

OPEC

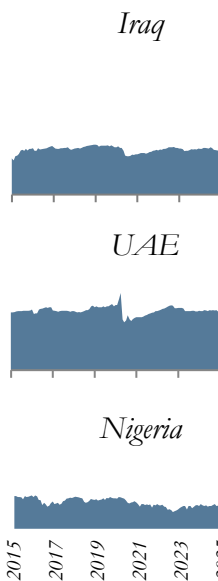


Top OPEC Producers

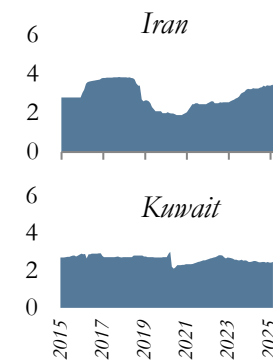
Saudi Arabia



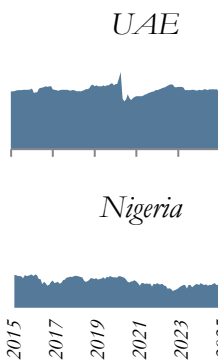
Iraq



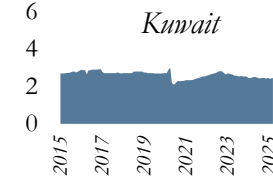
Iran



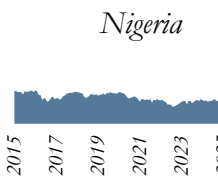
UAE



Kuwait

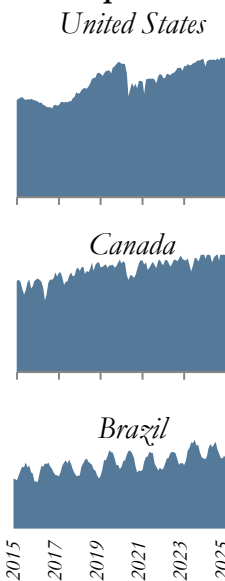


Nigeria

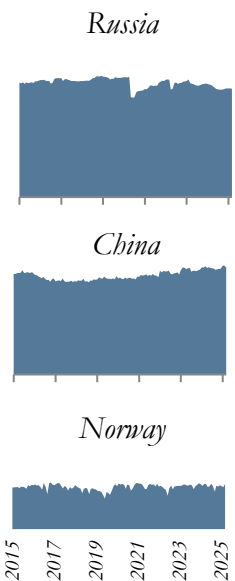


Top Non-OPEC Producers

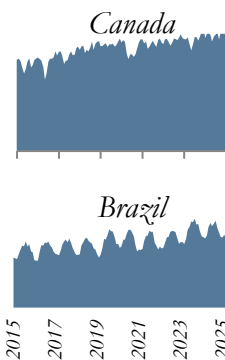
United States



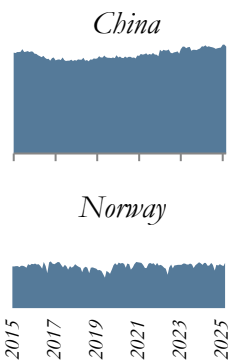
Russia



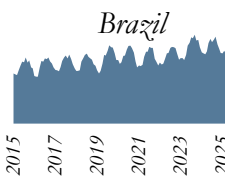
Canada



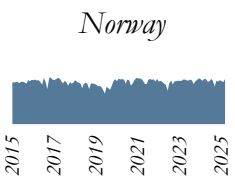
China



Brazil



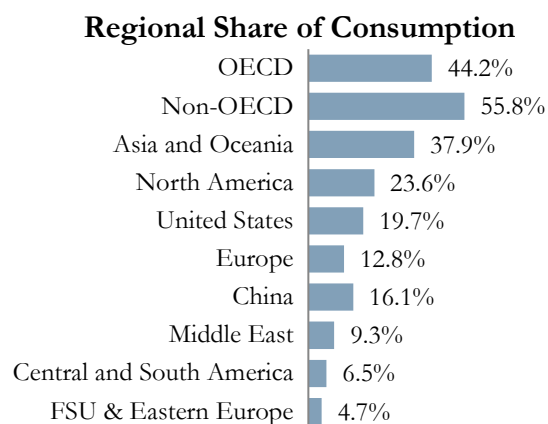
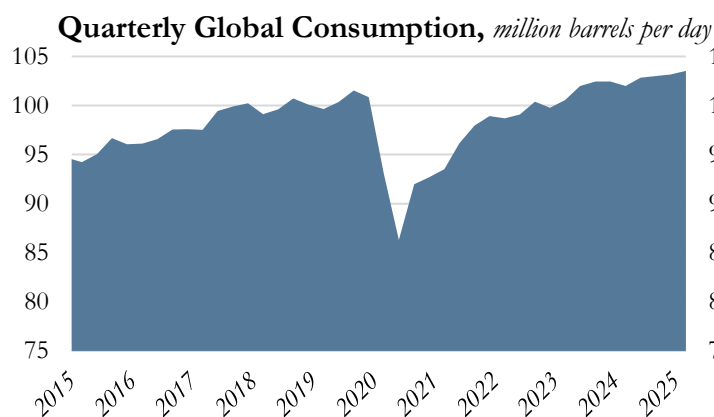
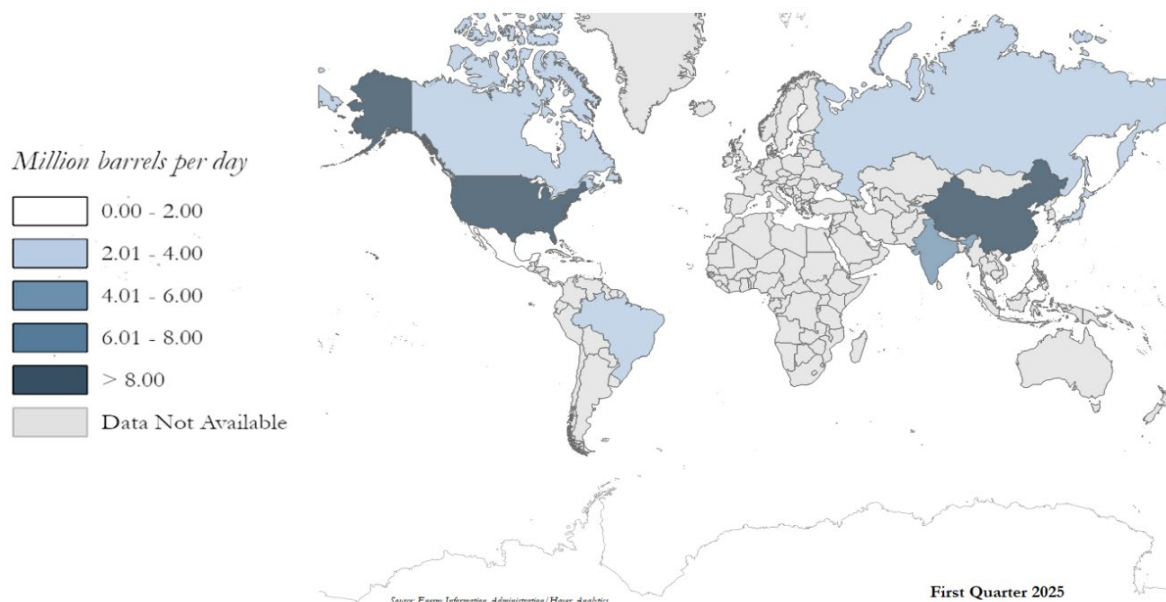
Norway



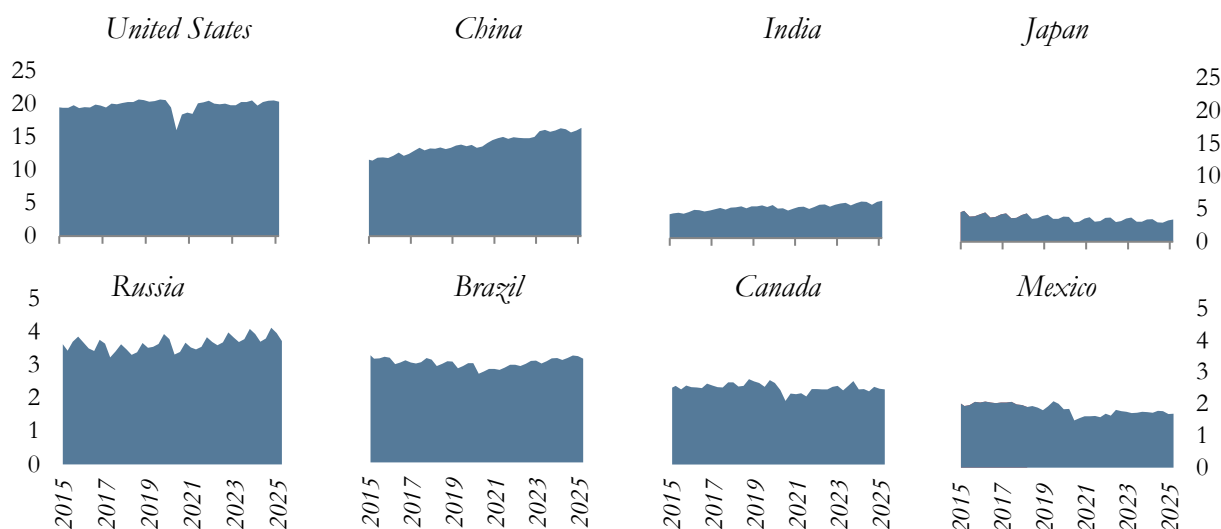
Note: OPEC country production values are for crude oil and non-OPEC country data is for petroleum production.

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

First Quarter 2025 Global Petroleum Consumption

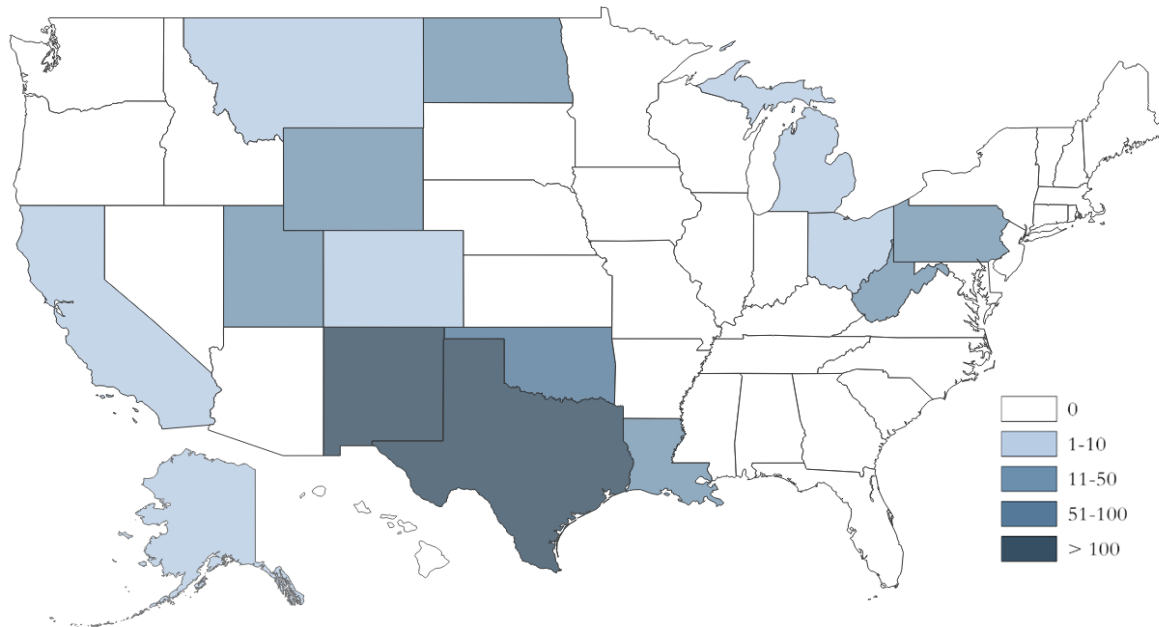


Top Petroleum Consumers, million barrels per day



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

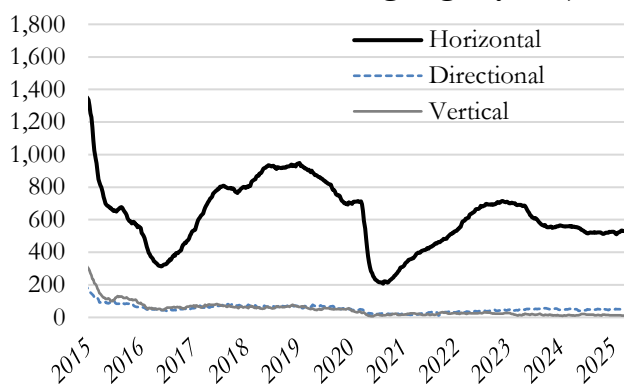
March 2025 Weekly Active Oil & Gas Drilling Rig Counts



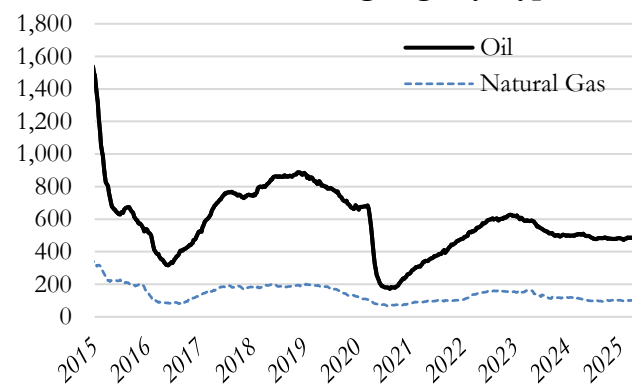
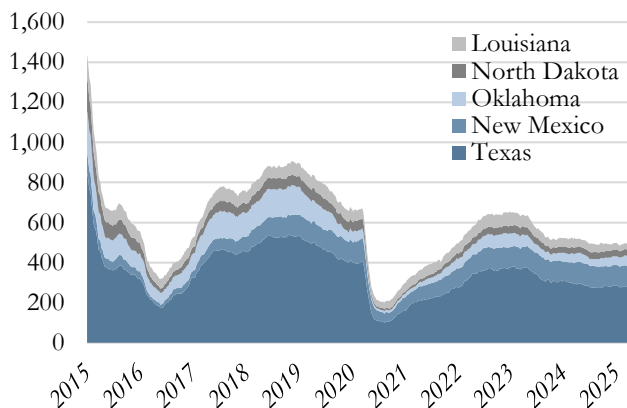
Source: Baker Hughes/Haver Analytics

March 28, 2025

U.S. Active Drilling Rigs by Trajectory



U.S. Active Drilling Rigs by Type

Top Five States for Drilling Activity
(Total Active Rigs)

Rig Count By Type

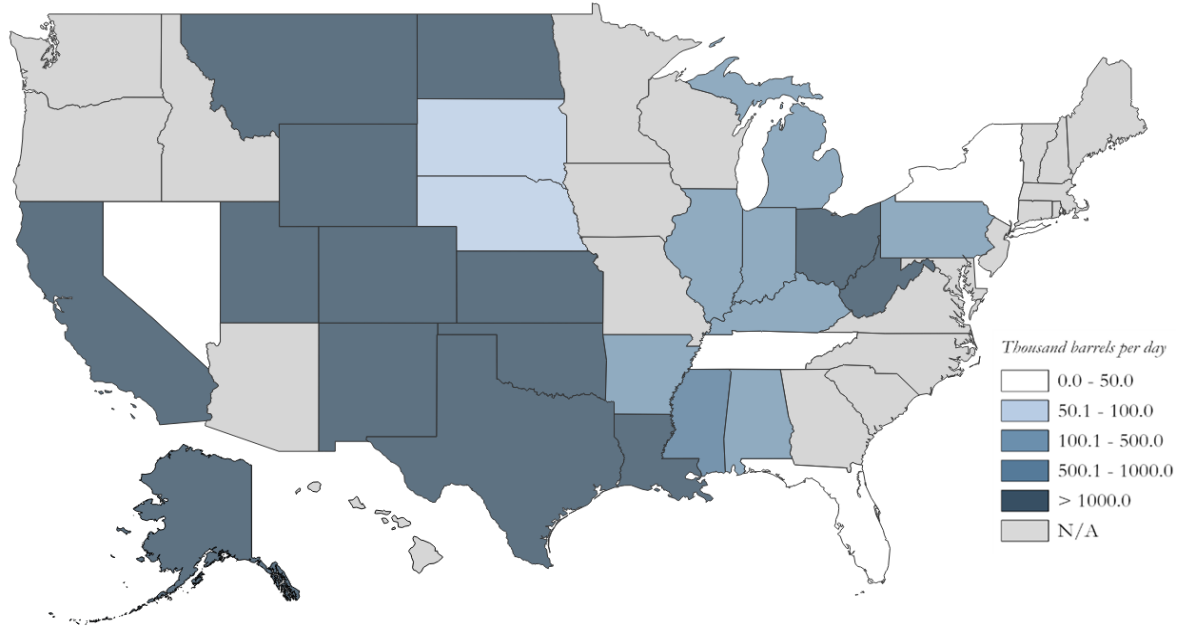
	Current	1 Month	3 Months	1 Year
Rig Type	Week	Ago	Ago	Ago
Oil	484	486	483	506
Gas	103	102	102	112
Misc	5	5	4	3
Total	592	593	589	621

Rig Count By Type, Change from

	Current	1 Month	3 Months	1 Year
Rig Type	Week	Ago	Ago	Ago
Oil	-	-0.4%	0.2%	-4.3%
Gas	-	1.0%	1.0%	-8.0%
Misc	-	0.0%	25.0%	66.7%
Total	-	-0.2%	0.5%	-4.7%

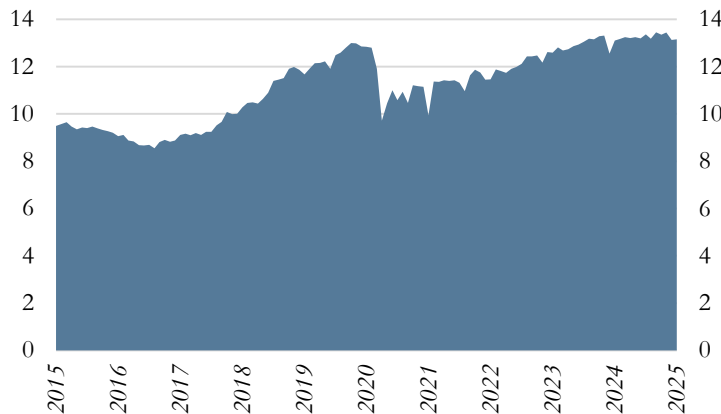
Source: Baker Hughes/Haver Analytics

February 2025 U.S. Crude Oil Production

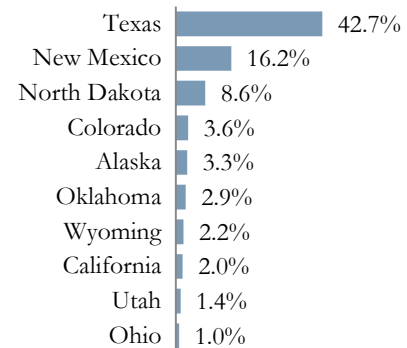


Source: Energy Information Administration/Haver Analytics

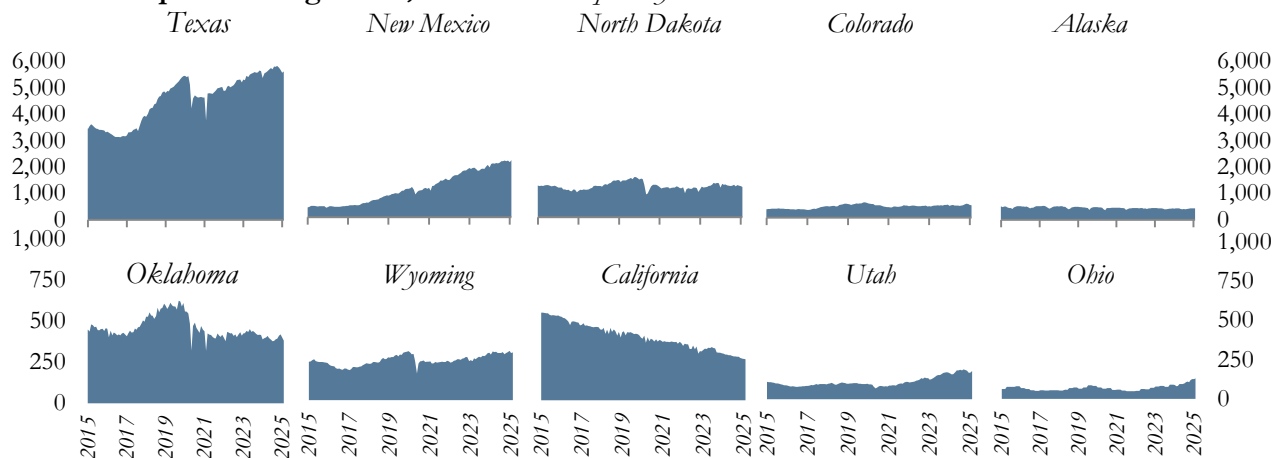
Monthly U.S. Production, million barrels per day



Share of Production



Top Producing States, thousand barrels per day



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

Data through February 2025

United States

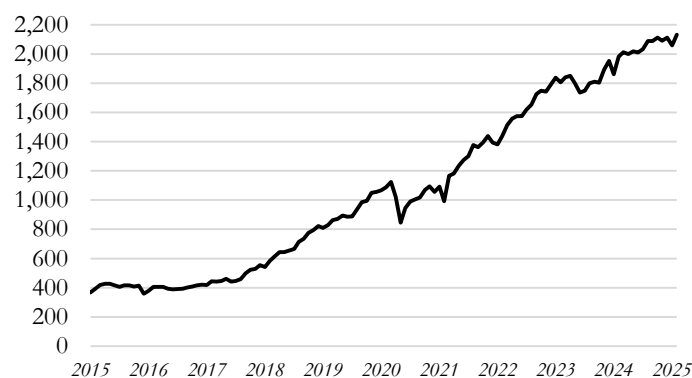
Thousand barrels per day



	United States	<i>Change from</i>
	<i>Thousand barrels per day</i>	
Feb-25	13,159	
Month Ago	13,130	0.2%
3 Months Ago	13,352	-1.4%
6 Months Ago	13,364	-1.5%
1 Year Ago	13,102	0.4%

Texas

	Texas	<i>Change from</i>
	<i>Thousand barrels per day</i>	
Feb-25	5,618	
Month Ago	5,577	0.7%
3 Months Ago	5,768	-2.6%
6 Months Ago	5,805	-3.2%
1 Year Ago	5,548	1.3%
Share of U.S. Production	42.7%	

New Mexico

	New Mexico	<i>Change from</i>
	<i>Thousand barrels per day</i>	
Feb-25	2,132	
Month Ago	2,060	3.5%
3 Months Ago	2,090	2.0%
6 Months Ago	2,089	2.0%
1 Year Ago	1,983	7.5%
Share of U.S. Production	16.2%	

North Dakota

	North Dakota	<i>Change from</i>
	<i>Thousand barrels per day</i>	
Feb-25	1,129	
Month Ago	1,164	-3.0%
3 Months Ago	1,204	-6.3%
6 Months Ago	1,176	-4.0%
1 Year Ago	1,248	-9.6%
Share of U.S. Production	8.6%	

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

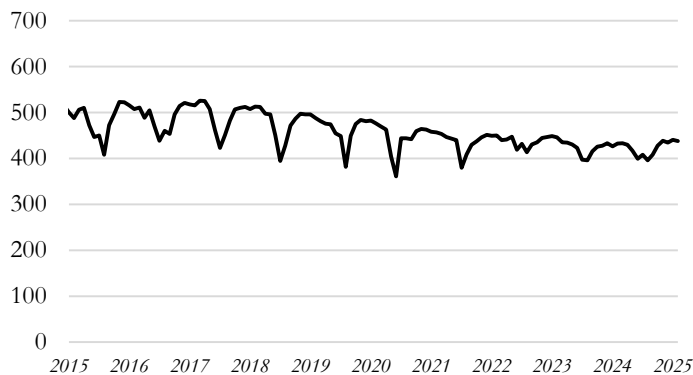
Data through February 2025

Colorado

Thousand barrels per day



	Colorado	<i>Change from</i>
<i>Thousand barrels per day</i>		
Feb-25	469	
Month Ago	477	-1.7%
3 Months Ago	522	-10.1%
6 Months Ago	454	3.2%
1 Year Ago	470	-0.2%
Share of U.S. Production	3.6%	

Alaska

	Alaska	<i>Change from</i>
<i>Thousand barrels per day</i>		
Feb-25	438	
Month Ago	441	-0.7%
3 Months Ago	439	-0.2%
6 Months Ago	396	10.5%
1 Year Ago	432	1.2%
Share of U.S. Production	3.3%	

Oklahoma

	Oklahoma	<i>Change from</i>
<i>Thousand barrels per day</i>		
Feb-25	382	
Month Ago	400	-4.4%
3 Months Ago	411	-7.0%
6 Months Ago	379	0.7%
1 Year Ago	397	-3.8%
Share of U.S. Production	2.9%	

Wyoming

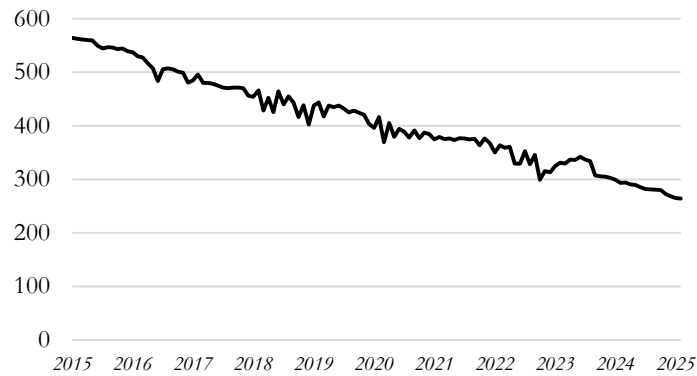
	Wyoming	<i>Change from</i>
<i>Thousand barrels per day</i>		
Feb-25	294	
Month Ago	290	1.4%
3 Months Ago	296	-0.5%
6 Months Ago	296	-0.6%
1 Year Ago	298	-1.3%
Share of U.S. Production	2.2%	

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

Data through February 2025

California

Thousand barrels per day



	California	Change from
Thousand barrels per day		
Feb-25	264	
Month Ago	265	-0.3%
3 Months Ago	272	-3.0%
6 Months Ago	281	-6.0%
1 Year Ago	293	-9.9%
Share of U.S. Production	2.0%	

Utah

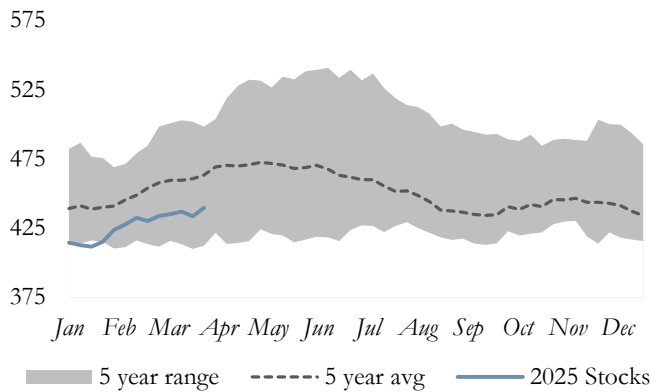
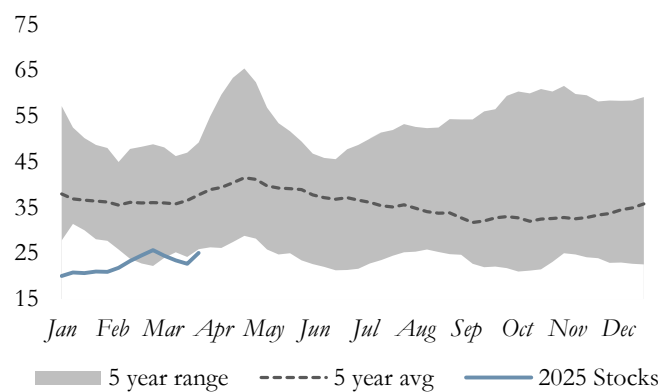
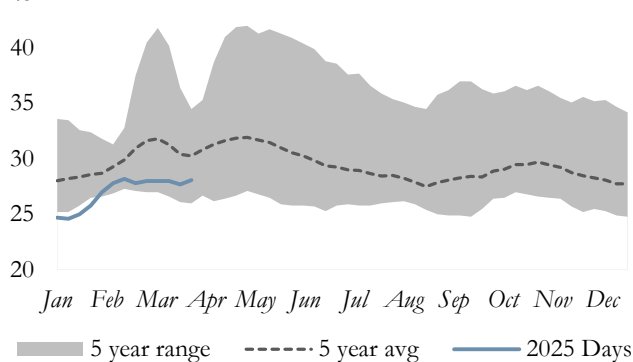
	Utah	Change from
Thousand barrels per day		
Feb-25	182	
Month Ago	173	4.7%
3 Months Ago	184	-1.2%
6 Months Ago	187	-3.0%
1 Year Ago	160	13.8%
Share of U.S. Production	1.4%	

Ohio

	Ohio	Change from
Thousand barrels per day		
Feb-25	131	
Month Ago	125	4.1%
3 Months Ago	121	8.3%
6 Months Ago	107	21.7%
1 Year Ago	81	61.2%
Share of U.S. Production	1.0%	

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

March 2025 Weekly U.S. Crude Oil Stocks

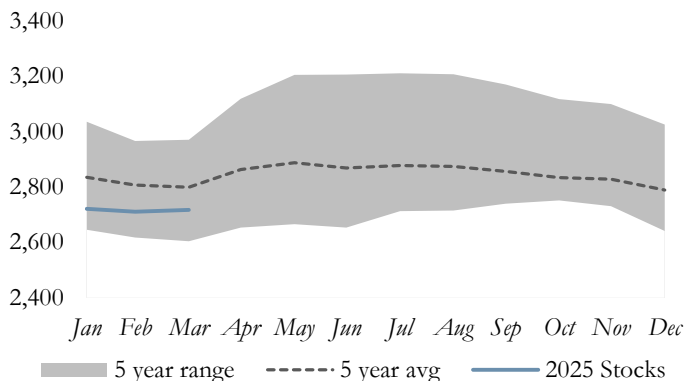
U.S. Oil Stocks, *million barrels**Cushing, OK Oil Stocks, *million barrels*U.S. Oil Days of Supply, *days*

Crude Oil Stocks

	1 Week Change from Ago	1 Year Ago
U.S.	1.4%	-2.6%
Cushing, OK	10.5%	-24.4%
Days of Supply	1.4%	-1.4%
East Coast (PADD 1)	-1.1%	10.9%
Midwest (PADD 2)	3.0%	-9.1%
Gulf Coast (PADD 3)	0.7%	0.1%
Rocky Mountain (PADD 4)	-1.9%	-7.3%
West Coast (PADD 5)	4.0%	0.2%

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

March 2025 OECD Commercial Petroleum Inventory

OECD Commercial Petroleum Inventory, *million barrels*

Petroleum Stocks

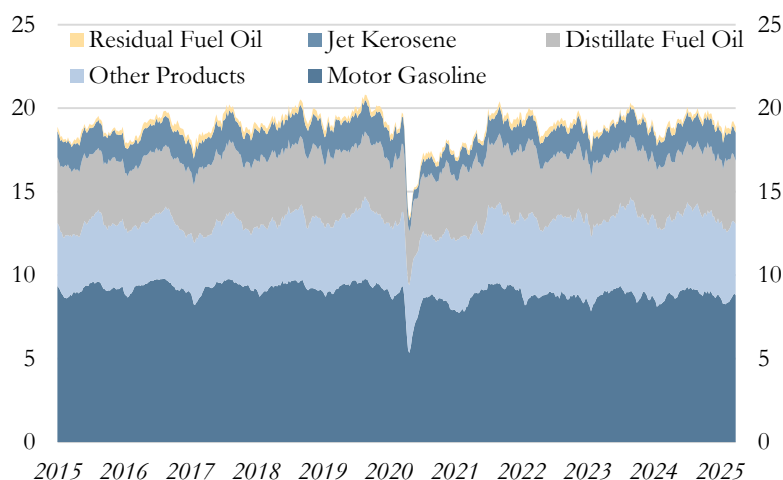
	Million Barrels	Change from
Current Month	2,718	
1 Month Ago	2,711	0.3%
3 Months Ago	2,742	-0.9%
6 Months Ago	2,796	-2.8%
1 Year Ago	2,757	-1.4%

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

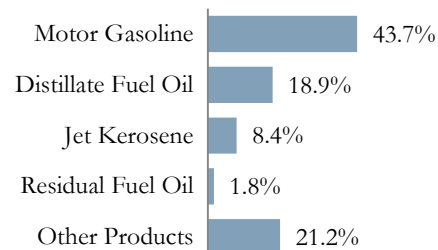
March 2025 Weekly U.S. Demand for Petroleum Products

4-Week Averages

All Petroleum Products, million barrels per day



Share of Total Consumption



U.S. Consumption by Product & Percent Change

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

	Current 3/28/25	1 Month Ago	3 Months Ago	6 Months Ago	1 Year Ago
All Products	20,094	20,165	20,338	20,102	20,342
Motor Gasoline	8,784	8,536	8,728	8,745	8,951
Distillate Fuel Oil	3,806	4,034	3,858	3,754	3,671
Jet Kerosene	1,684	1,525	1,742	1,710	1,615
Residual Fuel Oil	354	282	248	294	336
Other Products	4,261	4,339	4,381	4,690	4,688

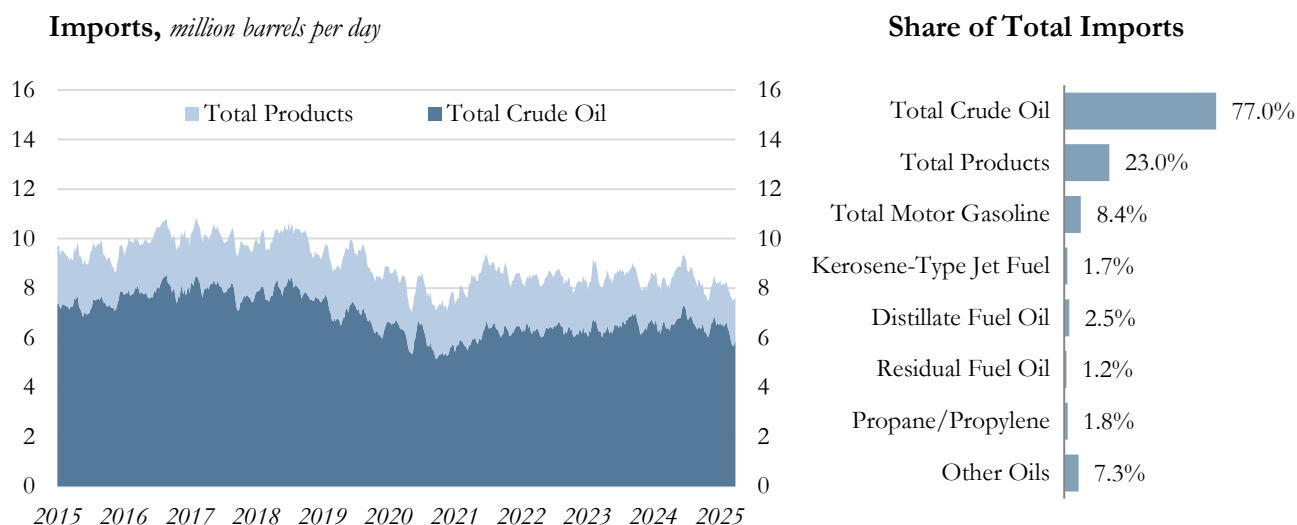
U.S. Consumption by Product, Change from

	Current 3/28/25	1 Month Ago	3 Months Ago	6 Months Ago	1 Year Ago
All Products	-	-0.4%	-1.2%	0.0%	-1.2%
Motor Gasoline	-	2.9%	0.6%	0.4%	-1.9%
Distillate Fuel Oil	-	-5.7%	-1.3%	1.4%	3.7%
Jet Kerosene	-	10.4%	-3.3%	-1.5%	4.3%
Residual Fuel Oil	-	25.5%	42.7%	20.4%	5.4%
Other Products	-	-1.8%	-2.7%	-9.1%	-9.1%

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

March 2025 Weekly U.S. Imports of Crude Oil & Petroleum Products

4-Week Averages



U.S. Imports by Product*

Thousand barrels per day

	Current 3/28/25	1 Month Ago	3 Months Ago	6 Months Ago	1 Year Ago
Total Crude Oil	5,879	5,965	6,507	6,568	6,272
Total Products	1,752	1,719	1,670	1,653	1,709
Total Motor Gasoline	643	432	635	599	535
Kerosene-Type Jet Fuel	126	138	76	61	140
Distillate Fuel Oil	194	288	174	159	152
Residual Fuel Oil	93	133	115	107	105
Propane/Propylene	136	163	144	95	121
Other Oils	559	565	527	632	655
Total Imports	7,631	7,684	8,177	8,221	7,981

U.S. Imports by Product, Change from

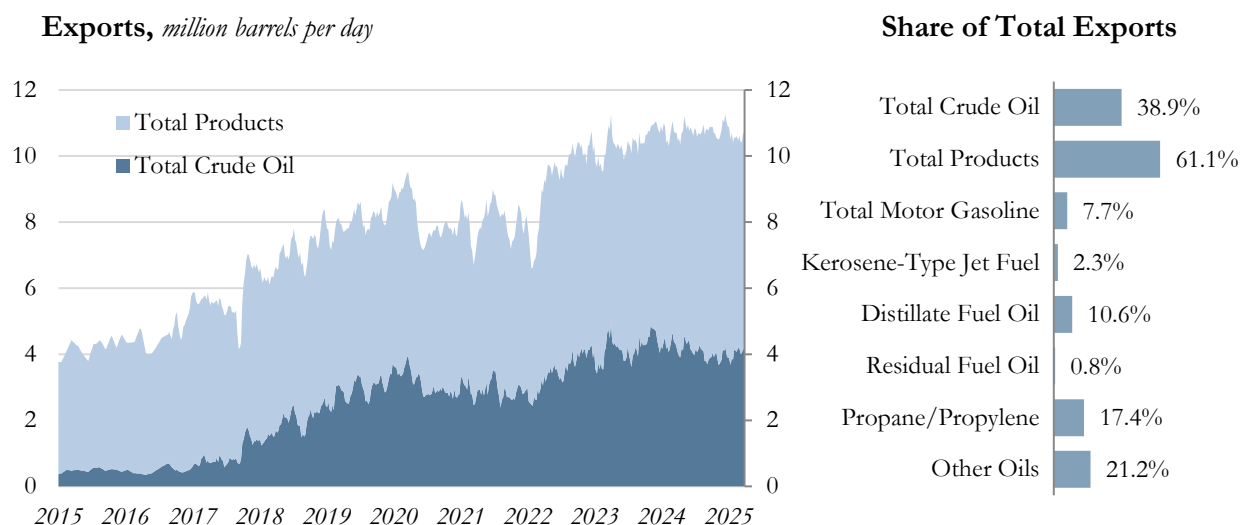
	Current 3/28/25	1 Month Ago	3 Months Ago	6 Months Ago	1 Year Ago
Total Crude Oil	-	-1.4%	-9.7%	-10.5%	-6.3%
Total Products	-	1.9%	4.9%	6.0%	2.5%
Total Motor Gasoline	-	48.8%	1.3%	7.3%	20.2%
Kerosene-Type Jet Fuel	-	-8.7%	65.8%	106.6%	-10.0%
Distillate Fuel Oil	-	-32.6%	11.5%	22.0%	27.6%
Residual Fuel Oil	-	-30.1%	-19.1%	-13.1%	-11.4%
Propane/Propylene	-	-16.6%	-5.6%	43.2%	12.4%
Other Oils	-	-1.1%	6.1%	-11.6%	-14.7%
Total Imports	-	-0.7%	-6.7%	-7.2%	-4.4%

*Totals may not sum due to component rounding

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

March 2025 Weekly U.S. Exports of Crude Oil & Petroleum Products

4-Week Averages



U.S. Exports by Product*

Thousand barrels per day

	Current 3/28/25	1 Month Ago	3 Months Ago	6 Months Ago	1 Year Ago
Total Crude Oil	4,106	4,154	3,893	3,917	4,058
Total Products	6,440	6,450	7,006	6,957	6,402
Total Motor Gasoline	813	883	1,021	871	920
Kerosene-Type Jet Fuel	243	176	224	215	192
Distillate Fuel Oil	1,116	980	1,387	1,433	1,183
Residual Fuel Oil	80	135	131	133	181
Propane/Propylene	1,832	1,825	1,850	1,801	1,651
Other Oils	2,233	2,320	2,257	2,376	2,172
Total Exports	10,546	10,604	10,899	10,875	10,460

U.S. Exports by Product, Change from

	Current 3/28/25	1 Month Ago	3 Months Ago	6 Months Ago	1 Year Ago
Total Crude Oil	-	-1.2%	5.5%	4.8%	1.2%
Total Products	-	-0.2%	-8.1%	-7.4%	0.6%
Total Motor Gasoline	-	-7.9%	-20.4%	-6.7%	-11.6%
Kerosene-Type Jet Fuel	-	38.1%	8.5%	13.0%	26.6%
Distillate Fuel Oil	-	13.9%	-19.5%	-22.1%	-5.7%
Residual Fuel Oil	-	-40.7%	-38.9%	-39.8%	-55.8%
Propane/Propylene	-	0.4%	-1.0%	1.7%	11.0%
Other Oils	-	-3.8%	-1.1%	-6.0%	2.8%
Total Exports	-	-0.5%	-3.2%	-3.0%	0.8%

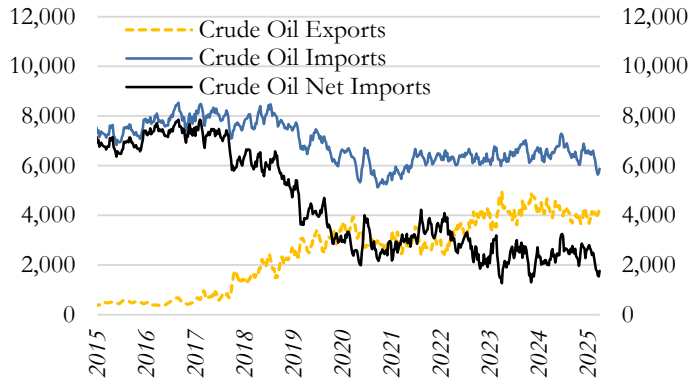
*Totals may not sum due to rounding

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

March 2025 Weekly U.S. Net Imports of Crude Oil & Petroleum Products

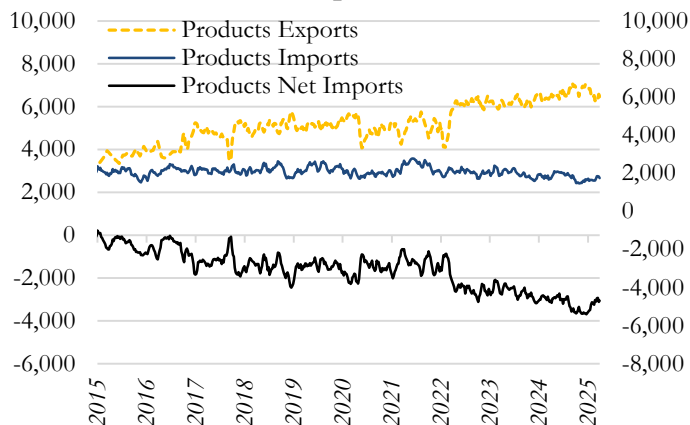
4-Week Averages, Thousand barrels per day

Crude Oil Net Imports



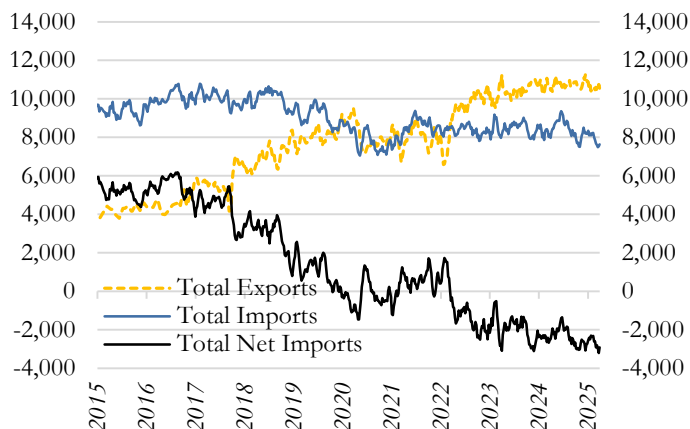
Crude Oil Net Imports		Change
Thousand barrels per day		from
3/28/25	1,773	
Month Ago	1,812	-2.2%
3 Months Ago	2,615	-32.2%
6 Months Ago	2,651	-33.1%
1 Year Ago	2,215	-20.0%

Products Net Imports



Products Net Imports		Change
Thousand barrels per day		from
3/28/25	-4,689	
Month Ago	-4,731	-
3 Months Ago	-5,336	-
6 Months Ago	-5,304	-
1 Year Ago	-4,694	-

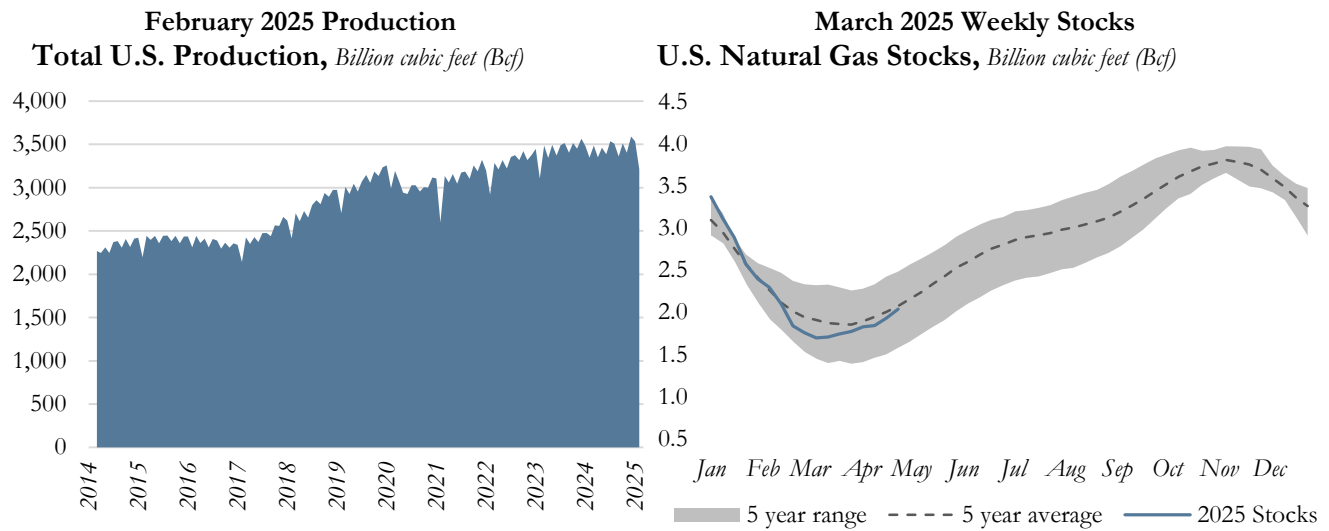
Total Net Imports



Total Net Imports		Change
Thousand barrels per day		from
3/28/25	-2,916	
Month Ago	-2,919	-
3 Months Ago	-2,721	-
6 Months Ago	-2,653	-
1 Year Ago	-2,479	-

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

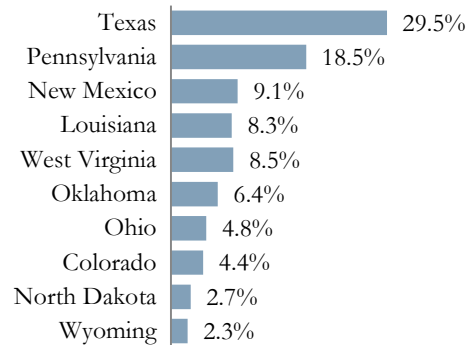
U.S. Natural Gas Production & Stocks



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

	Current Period*	1 Month Ago	3 Months Ago	6 Months Ago	1 Year Ago
U.S. Production	3,214	3,534	3,404	3,508	3,348
U.S. Stocks	2,041	1,773	2,571	3,864	2,484

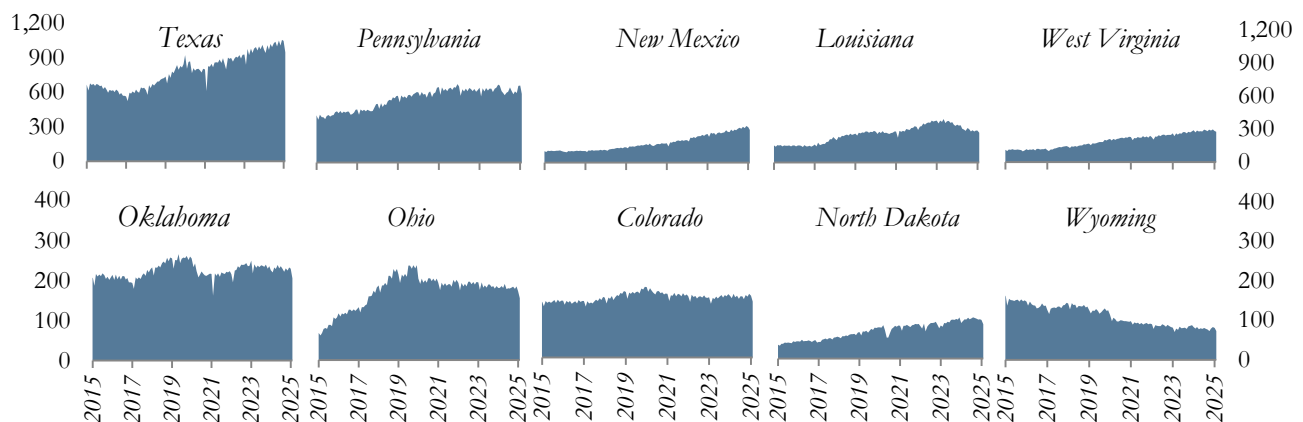
Share of Production



U.S. Natural Gas, Change from

	Current Period*	1 Month Ago	3 Months Ago	6 Months Ago	1 Year Ago
U.S. Production	-	-9.1%	-5.6%	-8.4%	-4.0%
U.S. Stocks	-	15.1%	-20.6%	-47.2%	-17.8%

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: <http://www.eia.gov/petroleum/supply/monthly/pdf/append.pdf>

Page 3: For OPEC countries and 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 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.

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