



U.S. Energy Information
Administration

Petroleum Supply Monthly

with data for May 2021

July 2021



This report was prepared by the U.S. Energy Information Administration (EIA), the statistical and analytical agency within the U.S. Department of Energy. By law, EIA's data, analyses, and forecasts are independent of approval by any other officer or employee of the United States Government. The views in this report therefore should not be construed as representing those of the Department of Energy or other Federal agencies.

Preface

The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
- Imports by PADD
- Imports by country of origin
- Exports
- Net imports
- Stocks
- Movements of crude oil, petroleum products, and biofuels

Contents

Page

Tables

U.S. supply and disposition of crude oil, petroleum products, and biofuels

1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products	6
2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products.....	7
3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products	8
4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products	9

Regional supply and disposition of crude oil petroleum products and biofuels

5. PAD District 1.....	10
6. Year-to-Date PAD District 1.....	11
7. Daily Average PAD District 1	12
8. Year-to-Date Daily Average PAD District 1	13
9. PAD District 2.....	14
10. Year-to-Date PAD District 2.....	15
11. Daily Average PAD District 2	16
12. Year-to-Date Daily Average PAD District 2.....	17
13. PAD District 3.....	18
14. Year-to-Date PAD District 3.....	19
15. Daily Average PAD District 3	20
16. Year-to-Date Daily Average PAD District 3.....	21
17. PAD District 4.....	22
18. Year-to-Date PAD District 4.....	23
19. Daily Average PAD District 4	24
20. Year-to-Date Daily Average PAD District 4.....	25
21. PAD District 5.....	26
22. Year-to-Date PAD District 5.....	27
23. Daily Average PAD District 5	28
24. Year-to-Date Daily Average PAD District 5	29

Crude oil supply and disposition and production by state

25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District.....	30
26. Production of Crude Oil by PAD District and State	31

Natural Gas Processing

27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts.....	32
--	----

Refinery Operations

28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts.....	33
29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts	35
30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts.....	37
31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts.....	39
32. Blender Net Inputs of Petroleum Products by PAD District.....	41
33. Blender Net Production of Petroleum Products by PAD District	42
34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts.....	43
35. Percent Yield of Petroleum Products by PAD and Refining Districts	45

Imports of residual fuel oil by state of entry

36. Imports of Residual Fuel Oil by Sulfur Content.....	46
---	----

Imports by PAD District

37. Imports of Crude Oil and Petroleum Products	47
38. Year-to-Date Imports of Crude Oil and Petroleum Products.....	48

Imports by country of origin

39. United States.....	49
40. Year-to-Date United States	53
41. PAD District 1	57
42. PAD District 2.....	61
43. PAD District 3.....	65
44. PAD Districts 4 and 5.....	69
45. Year-to-Date PAD District 1.....	73
46. Year-to-Date PAD District 2.....	77
47. Year-to-Date PAD District 3.....	81

48. Year-to-Date PAD Districts 4 and 5	85
Exports of Crude Oil and Petroleum Products	
49. Exports of Crude Oil and Petroleum Products by PAD District	89
50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District.....	90
51. Exports of Crude Oil and Petroleum Products by Destination	91
52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination	95
Net Imports	
53. Net Imports of Crude Oil and Petroleum Products into the United States by Country	99
54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country.....	103
Stocks	
55. Stocks of Crude Oil and Petroleum Products by PAD District.....	107
56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State	111
Movements of Crude Oil, Petroleum Products, and Biofuels	
57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts	113
58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts	115
59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts.....	117
60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts.....	119
61. Movements of Crude Oil by Pipeline, Tanker, Barge, and Rail between PAD Districts	120
62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail Between PAD Districts	121
Appendices	
A. District Descriptions and Maps	123
B. Explanatory Notes	125
D. Northeast Reserves.....	138
Glossary	
Definitions of Petroleum Products and Other Terms	139

Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, May 2021
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	348,149	--	--	180,654	20,474	-18,979	483,442	84,814	0	1,104,179
Hydrocarbon Gas Liquids	169,294	-700	27,892	3,885	--	9,525	13,338	70,821	106,688	186,615
Natural Gas Liquids	169,294	-700	17,553	3,364	--	9,371	13,338	70,821	95,982	184,634
Ethane	67,419	--	184	--	--	-2,575	--	11,378	58,800	67,233
Propane	54,340	--	9,333	2,218	--	6,564	--	38,586	20,741	48,630
Normal Butane	15,660	--	8,135	970	--	5,604	2,581	14,175	2,405	36,693
Isobutane	13,039	--	-99	167	--	-1,289	6,443	139	7,814	9,829
Natural Gasoline	18,836	-700	--	9	--	1,067	4,314	6,544	6,220	22,249
Refinery Olefins	--	--	10,339	521	--	154	--	--	10,706	1,981
Ethylene	--	--	24	--	--	0	--	--	24	0
Propylene	--	--	10,045	444	--	14	--	--	10,475	1,106
Normal Butylene	--	--	296	77	--	131	--	--	242	819
Isobutylene	--	--	-26	--	--	9	--	--	-35	56
Other Liquids	--	36,391	--	50,180	10,227	216	74,986	18,337	3,258	337,970
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	36,390	--	1,186	4,887	-729	36,702	2,272	4,219	27,685
Hydrogen	--	--	--	--	6,568	--	6,568	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	36,390	--	1,186	-1,693	-721	30,114	2,272	4,219	27,677
Fuel Ethanol ⁵	--	31,223	--	--	-1,693	-331	28,175	1,686	0	22,013
Renewable Fuels Except Fuel Ethanol	--	5,167	--	1,186	--	-390	1,939	585	4,219	5,664
Other Hydrocarbons	--	--	--	--	12	-8	20	--	0	8
Unfinished Oils	--	--	--	20,286	--	-1,397	9,688	12,947	-952	90,772
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	28,708	5,340	2,352	28,578	3,119	0	219,492
Reformulated	--	0	--	7,033	6,245	2,904	10,371	3	0	51,116
Conventional	--	0	--	21,675	-905	-553	18,207	3,116	0	168,376
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-9	18	--	-9	21
Finished Petroleum Products	--	182	575,631	30,927	-3,647	7,734	--	82,402	512,958	292,512
Finished Motor Gasoline	--	167	305,868	6,001	-3,647	-919	--	26,055	283,254	20,361
Reformulated	--	--	93,743	--	-4,663	2	--	--	89,078	24
Conventional	--	167	212,125	6,001	1,016	-921	--	26,055	194,176	20,337
Finished Aviation Gasoline	--	--	391	6	--	112	--	--	285	1,128
Kerosene-Type Jet Fuel	--	7	40,550	5,949	--	2,846	--	2,813	40,848	43,355
Kerosene	--	--	101	--	--	78	--	--	23	1,655
Distillate Fuel Oil ⁵	--	8	147,120	8,324	--	3,946	--	31,416	120,090	139,961
15 ppm sulfur and under	--	8	139,343	8,320	--	1,081	--	28,318	118,272	126,857
Greater than 15 ppm to 500 ppm sulfur	--	0	3,856	3	--	343	--	1,844	1,672	3,253
Greater than 500 ppm sulfur	--	--	3,921	1	--	2,522	--	1,255	145	9,851
Residual Fuel Oil	--	--	6,383	4,580	--	408	--	2,521	8,034	31,683
Less than 0.31 percent sulfur	--	--	1,095	--	--	-724	--	NA	NA	4,639
0.31 to 1.00 percent sulfur	--	--	2,932	549	--	676	--	NA	NA	7,572
Greater than 1.00 percent sulfur	--	--	2,356	4,031	--	456	--	NA	NA	19,472
Petrochemical Feedstocks	--	--	9,536	793	--	197	--	--	10,132	3,160
Naphtha for Petro. Feed. Use	--	--	5,895	654	--	38	--	--	6,511	2,350
Other Oils for Petro. Feed. Use	--	--	3,641	139	--	159	--	--	3,621	810
Special Naphthas	--	--	1,209	551	--	193	--	--	1,567	1,109
Lubricants	--	--	5,566	1,886	--	802	--	3,360	3,290	9,148
Waxes	--	--	155	168	--	15	--	140	168	524
Petroleum Coke	--	--	24,707	745	--	556	--	15,289	9,607	6,525
Marketable	--	--	18,256	745	--	556	--	15,289	3,156	6,525
Catalyst	--	--	6,451	--	--	--	--	--	6,451	--
Asphalt and Road Oil	--	--	10,161	1,923	--	-566	--	776	11,874	33,245
Still Gas	--	--	21,254	--	--	--	--	--	21,254	--
Miscellaneous Products	--	--	2,630	1	--	66	--	33	2,532	659
Total	517,443	35,873	603,523	265,646	27,054	-1,504	571,766	256,374	622,903	1,921,276

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes). Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-May 2021
(Thousand Barrels)

Commodity	Supply					Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	Ending Stocks
Crude Oil⁴	1,645,005	--	--	870,401	86,641	-19,164	2,180,863	440,348	0	1,104,179
Hydrocarbon Gas Liquids	770,013	-3,066	90,655	29,926	--	-42,542	74,429	348,891	506,750	186,615
Natural Gas Liquids	770,013	-3,066	47,443	27,259	--	-42,274	74,429	348,891	460,603	184,634
Ethane	301,535	--	545	--	--	-2,367	--	54,887	249,560	67,233
Propane	252,067	--	40,297	20,699	--	-21,805	--	196,554	138,314	48,630
Normal Butane	72,545	--	8,018	5,545	--	-4,950	25,732	64,024	1,302	36,693
Isobutane	59,988	--	-1,417	984	--	-2,512	27,054	470	34,543	9,829
Natural Gasoline	83,878	-3,066	--	31	--	-10,640	21,643	32,956	36,884	22,249
Refinery Olefins	--	--	43,212	2,667	--	-268	--	--	46,147	1,981
Ethylene	--	--	114	--	--	0	--	--	114	0
Propylene	--	--	43,346	2,308	--	-381	--	--	46,035	1,106
Normal Butylene	--	--	-199	339	--	99	--	--	41	819
Isobutylene	--	--	-49	20	--	14	--	--	-43	56
Other Liquids	--	163,427	--	195,511	53,190	11,956	292,291	80,796	27,084	337,970
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	163,428	--	5,985	27,730	-2,213	166,066	15,653	17,636	27,685
Hydrogen	--	--	--	--	29,674	--	29,674	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	163,428	--	5,956	-1,984	-2,208	136,318	15,653	17,636	27,677
Fuel Ethanol ⁵	--	140,555	--	--	-1,984	-2,674	127,280	13,964	0	22,013
Renewable Fuels Except Fuel Ethanol	--	22,873	--	5,956	--	466	9,038	1,689	17,636	5,664
Other Hydrocarbons	--	--	--	29	40	-5	74	--	0	8
Unfinished Oils	--	--	--	80,491	--	12,565	3,810	54,607	9,509	90,772
Motor Gasoline Blend.Comp. (MGB) ⁵	--	-1	--	109,035	25,460	1,614	122,344	10,536	0	219,492
Reformulated	--	-1	--	30,232	37,023	-2,333	69,559	28	0	51,116
Conventional	--	0	--	78,803	-11,562	3,947	52,785	10,508	0	168,376
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-10	71	--	-61	21
Finished Petroleum Products	--	712	2,592,965	134,267	-23,476	-11,379	--	382,784	2,333,063	292,512
Finished Motor Gasoline	--	663	1,381,946	17,895	-23,476	-4,949	--	114,606	1,267,371	20,361
Reformulated	--	--	424,099	--	-32,061	-24	--	--	392,062	24
Conventional	--	663	957,847	17,895	8,586	-4,925	--	114,606	875,310	20,337
Finished Aviation Gasoline	--	--	1,361	175	--	7	--	--	1,529	1,128
Kerosene-Type Jet Fuel	--	35	177,159	20,086	--	4,728	--	11,821	180,730	43,355
Kerosene	--	--	1,219	--	--	-1,005	--	736	1,488	1,655
Distillate Fuel Oil ⁵	--	15	671,618	49,904	--	-20,480	--	144,838	597,179	139,961
15 ppm sulfur and under	--	15	639,458	48,866	--	-21,718	--	123,628	586,429	126,857
Greater than 15 ppm to 500 ppm sulfur	--	0	17,868	634	--	-155	--	11,015	7,642	3,253
Greater than 500 ppm sulfur	--	--	14,292	404	--	1,393	--	10,195	3,108	9,851
Residual Fuel Oil	--	--	29,363	24,516	--	1,449	--	16,342	36,088	31,683
Less than 0.31 percent sulfur	--	--	3,510	1,556	--	1,553	--	NA	NA	4,639
0.31 to 1.00 percent sulfur	--	--	11,975	4,767	--	650	--	NA	NA	7,572
Greater than 1.00 percent sulfur	--	--	13,878	18,193	--	-754	--	NA	NA	19,472
Petrochemical Feedstocks	--	--	39,441	2,928	--	272	--	--	42,097	3,160
Naphtha for Petro. Feed. Use	--	--	24,895	2,370	--	274	--	--	26,991	2,350
Other Oils for Petro. Feed. Use	--	--	14,546	558	--	-2	--	--	15,106	810
Special Naphthas	--	--	4,768	1,712	--	49	--	--	6,431	1,109
Lubricants	--	--	23,603	7,104	--	-552	--	15,028	16,231	9,148
Waxes	--	--	531	1,000	--	-31	--	729	833	524
Petroleum Coke	--	--	108,503	1,914	--	-1,178	--	75,414	36,181	6,525
Marketable	--	--	80,454	1,914	--	-1,178	--	75,414	8,132	6,525
Catalyst	--	--	28,049	--	--	--	--	--	28,049	--
Asphalt and Road Oil	--	--	50,044	7,028	--	10,221	--	3,111	43,740	33,245
Still Gas	--	--	91,692	--	--	--	--	--	91,692	--
Miscellaneous Products	--	--	11,717	5	--	91	--	158	11,473	659
Total	2,415,018	161,072	2,683,620	1,230,105	116,355	-61,128	2,547,583	1,252,818	2,866,898	1,921,276

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isocetene."

Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, May 2021
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	11,231	--	--	5,828	660	-612	15,595	2,736	0
Hydrocarbon Gas Liquids	5,461	-23	900	125	--	307	430	2,285	3,442
Natural Gas Liquids	5,461	-23	566	109	--	302	430	2,285	3,096
Ethane	2,175	--	6	--	--	-83	--	367	1,897
Propane	1,753	--	301	72	--	212	--	1,245	669
Normal Butane	505	--	262	31	--	181	83	457	78
Isobutane	421	--	-3	5	--	-42	208	4	252
Natural Gasoline	608	-23	--	0	--	34	139	211	201
Refinery Olefins	--	--	334	17	--	5	--	--	345
Ethylene	--	--	1	--	--	0	--	--	1
Propylene	--	--	324	14	--	0	--	--	338
Normal Butylene	--	--	10	2	--	4	--	--	8
Isobutylene	--	--	-1	--	--	0	--	--	-1
Other Liquids	--	1,174	--	1,619	330	7	2,419	592	105
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,174	--	38	158	-24	1,184	73	136
Hydrogen	--	--	--	--	212	--	212	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,174	--	38	-55	-23	971	73	136
Fuel Ethanol ⁵	--	1,007	--	--	-55	-11	909	54	0
Renewable Fuels Except Fuel Ethanol	--	167	--	38	--	-13	63	19	136
Other Hydrocarbons	--	--	--	--	0	0	1	--	0
Unfinished Oils	--	--	--	654	--	-45	313	418	-31
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	926	172	76	922	101	0
Reformulated	--	0	--	227	201	94	335	0	0
Conventional	--	0	--	699	-29	-18	587	101	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	1	--	0
Finished Petroleum Products	--	6	18,569	998	-118	249	--	2,658	16,547
Finished Motor Gasoline	--	5	9,867	194	-118	-30	--	840	9,137
Reformulated	--	--	3,024	--	-150	0	--	--	2,873
Conventional	--	5	6,843	194	33	-30	--	840	6,264
Finished Aviation Gasoline	--	--	13	0	--	4	--	--	9
Kerosene-Type Jet Fuel	--	0	1,308	192	--	92	--	91	1,318
Kerosene	--	--	3	--	--	3	--	--	1
Distillate Fuel Oil ⁵	--	0	4,746	269	--	127	--	1,013	3,874
15 ppm sulfur and under	--	0	4,495	268	--	35	--	913	3,815
Greater than 15 ppm to 500 ppm sulfur	--	0	124	0	--	11	--	59	54
Greater than 500 ppm sulfur	--	--	126	0	--	81	--	40	5
Residual Fuel Oil	--	--	206	148	--	13	--	81	259
Less than 0.31 percent sulfur	--	--	35	--	--	-23	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	95	18	--	22	--	NA	NA
Greater than 1.00 percent sulfur	--	--	76	130	--	15	--	NA	NA
Petrochemical Feedstocks	--	--	308	26	--	6	--	--	327
Naphtha for Petro. Feed. Use	--	--	190	21	--	1	--	--	210
Other Oils for Petro. Feed. Use	--	--	117	4	--	5	--	--	117
Special Naphthas	--	--	39	18	--	6	--	--	51
Lubricants	--	--	180	61	--	26	--	108	106
Waxes	--	--	5	5	--	0	--	5	5
Petroleum Coke	--	--	797	24	--	18	--	493	310
Marketable	--	--	589	24	--	18	--	493	102
Catalyst	--	--	208	--	--	--	--	--	208
Asphalt and Road Oil	--	--	328	62	--	-18	--	25	383
Still Gas	--	--	686	--	--	--	--	--	686
Miscellaneous Products	--	--	85	0	--	2	--	1	82
Total	16,692	1,157	19,468	8,569	873	-49	18,444	8,270	20,094

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocane."

Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-May 2021
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	10,894	--	--	5,764	574	-127	14,443	2,916	0
Hydrocarbon Gas Liquids	5,099	-20	600	198	--	-282	493	2,311	3,356
Natural Gas Liquids	5,099	-20	314	181	--	-280	493	2,311	3,050
Ethane	1,997	--	4	--	--	-16	--	363	1,653
Propane	1,669	--	267	137	--	-144	--	1,302	916
Normal Butane	480	--	53	37	--	-33	170	424	9
Isobutane	397	--	-9	7	--	-17	179	3	229
Natural Gasoline	555	-20	--	0	--	-70	143	218	244
Refinery Olefins	--	--	286	18	--	-2	--	--	306
Ethylene	--	--	1	--	--	0	--	--	1
Propylene	--	--	287	15	--	-3	--	--	305
Normal Butylene	--	--	-1	2	--	1	--	--	0
Isobutylene	--	--	0	0	--	0	--	--	0
Other Liquids	--	1,082	--	1,295	352	79	1,936	535	179
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,082	--	40	184	-15	1,100	104	117
Hydrogen	--	--	--	--	197	--	197	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,082	--	39	-13	-15	903	104	117
Fuel Ethanol ⁵	--	931	--	--	-13	-18	843	92	0
Renewable Fuels Except Fuel Ethanol	--	151	--	39	--	3	60	11	117
Other Hydrocarbons	--	--	--	0	0	0	0	--	0
Unfinished Oils	--	--	--	533	--	83	25	362	63
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	722	169	11	810	70	0
Reformulated	--	0	--	200	245	-15	461	0	0
Conventional	--	0	--	522	-77	26	350	70	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	5	17,172	889	-155	-75	--	2,535	15,451
Finished Motor Gasoline	--	4	9,152	119	-155	-33	--	759	8,393
Reformulated	--	--	2,809	--	-212	0	--	--	2,596
Conventional	--	4	6,343	119	57	-33	--	759	5,797
Finished Aviation Gasoline	--	--	9	1	--	0	--	--	10
Kerosene-Type Jet Fuel	--	0	1,173	133	--	31	--	78	1,197
Kerosene	--	--	8	--	--	-7	--	5	10
Distillate Fuel Oil ⁵	--	0	4,448	330	--	-136	--	959	3,955
15 ppm sulfur and under	--	0	4,235	324	--	-144	--	819	3,884
Greater than 15 ppm to 500 ppm sulfur	--	0	118	4	--	-1	--	73	51
Greater than 500 ppm sulfur	--	--	95	3	--	9	--	68	21
Residual Fuel Oil	--	--	194	162	--	10	--	108	239
Less than 0.31 percent sulfur	--	--	23	10	--	10	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	79	32	--	4	--	NA	NA
Greater than 1.00 percent sulfur	--	--	92	120	--	-5	--	NA	NA
Petrochemical Feedstocks	--	--	261	19	--	2	--	--	279
Naphtha for Petro. Feed. Use	--	--	165	16	--	2	--	--	179
Other Oils for Petro. Feed. Use	--	--	96	4	--	0	--	--	100
Special Naphthas	--	--	32	11	--	0	--	--	43
Lubricants	--	--	156	47	--	-4	--	100	107
Waxes	--	--	4	7	--	0	--	5	6
Petroleum Coke	--	--	719	13	--	-8	--	499	240
Marketable	--	--	533	13	--	-8	--	499	54
Catalyst	--	--	186	--	--	--	--	--	186
Asphalt and Road Oil	--	--	331	47	--	68	--	21	290
Still Gas	--	--	607	--	--	--	--	--	607
Miscellaneous Products	--	--	78	0	--	1	--	1	76
Total	15,993	1,067	17,772	8,146	771	-405	16,871	8,297	18,986

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isocane, and Isocane."

Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, May 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	2,462	--	--	17,679	3,398	-2,105	-249	21,682	--	0	8,639
Hydrocarbon Gas Liquids	18,933	-7	981	797	1,313	--	1,902	745	7,627	11,743	9,074
Natural Gas Liquids	18,933	-7	525	518	1,026	--	1,875	745	7,627	10,748	8,907
Ethane	6,676	--	--	--	-4,863	--	-26	--	1,853	-14	1,241
Propane	7,120	--	425	471	4,913	--	1,532	--	3,560	7,837	5,594
Normal Butane	2,222	--	182	36	1,686	--	250	373	2,120	1,383	1,617
Isobutane	933	--	-82	11	-362	--	12	124	1	363	150
Natural Gasoline	1,982	-7	--	--	-348	--	107	248	93	1,179	305
Refinery Olefins	--	--	456	279	287	--	27	--	--	995	167
Ethylene	--	--	22	--	--	--	--	--	--	22	--
Propylene	--	--	386	279	287	--	-13	--	--	965	101
Normal Butylene	--	--	21	--	--	--	40	--	--	-19	44
Isobutylene	--	--	27	--	--	--	0	--	--	27	22
Other Liquids	--	440	--	24,398	57,308	9,490	1,926	88,855	149	706	74,700
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	440	--	116	9,070	220	-1,036	10,568	122	192	7,293
Hydrogen	--	--	--	--	--	94	--	94	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	440	--	116	9,070	126	-1,036	10,474	122	192	7,293
Fuel Ethanol	--	263	--	--	9,017	126	-882	10,209	78	0	6,177
Renewable Fuels Except Fuel Ethanol	--	177	--	116	53	--	-155	265	44	192	1,116
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,433	-42	--	133	720	24	514	4,193
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	22,849	48,280	9,270	2,829	77,567	3	0	63,214
Reformulated	--	--	--	7,033	6,466	4,633	2,951	15,181	0	0	21,453
Conventional	--	--	--	15,816	41,814	4,637	-122	62,386	3	0	41,761
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	111,553	16,382	33,393	-9,396	-1,809	--	2,421	151,320	70,576
Finished Motor Gasoline	--	--	100,259	5,073	2,814	-9,396	110	--	609	98,031	3,206
Reformulated	--	--	37,176	--	--	-3,793	0	--	--	33,383	6
Conventional	--	--	63,083	5,073	2,814	-5,603	110	--	609	64,648	3,200
Finished Aviation Gasoline	--	--	-4	1	115	--	1	--	--	111	184
Kerosene-Type Jet Fuel	--	--	1,591	2,214	9,672	--	-671	--	318	13,830	9,994
Kerosene	--	--	30	--	--	--	53	--	--	-23	1,371
Distillate Fuel Oil ⁶	--	0	5,516	6,741	18,969	--	-1,668	--	704	32,190	39,615
15 ppm sulfur and under	--	0	5,939	6,741	18,562	--	-1,834	--	704	32,372	36,055
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	1	--	-3	--	--	7	957
Greater than 500 ppm sulfur	--	--	-426	--	406	--	169	--	--	-189	2,603
Residual Fuel Oil	--	--	1,294	1,117	--	--	637	--	71	1,703	7,425
Less than 0.31 percent sulfur	--	--	-5	--	--	--	-119	--	NA	NA	544
0.31 to 1.00 percent sulfur	--	--	1,031	458	--	--	183	--	NA	NA	1,629
Greater than 1.00 percent sulfur	--	--	268	659	--	--	573	--	NA	NA	5,252
Petrochemical Feedstocks	--	--	--	8	82	--	--	--	--	90	--
Naphtha for Petro. Feed. Use	--	--	--	8	82	--	--	--	--	90	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	18	4	--	--	9	--	--	13	48
Lubricants	--	--	256	171	321	--	-69	--	187	630	871
Waxes	--	--	-29	87	--	--	-12	--	79	-9	219
Petroleum Coke	--	--	652	--	401	--	--	--	364	689	--
Marketable	--	--	206	--	401	--	--	--	364	243	--
Catalyst	--	--	446	--	--	--	--	--	--	446	--
Asphalt and Road Oil	--	--	973	966	1,019	--	-210	--	73	3,095	7,583
Still Gas	--	--	896	--	--	--	--	--	--	896	--
Miscellaneous Products	--	--	101	--	--	--	11	--	15	75	60
Total	21,395	434	112,534	59,256	95,411	-2,011	1,770	111,282	10,198	163,769	162,989

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-May 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	11,822	--	--	76,821	13,130	-3,253	-1,227	96,648	3,099	0	8,639
Hydrocarbon Gas Liquids	93,924	-43	2,908	7,331	11,627	--	-3,250	5,766	41,146	72,085	9,074
Natural Gas Liquids	93,924	-43	553	5,909	9,800	--	-3,094	5,766	41,146	66,325	8,907
Ethane	35,476	--	--	--	-24,556	--	103	--	10,995	-178	1,241
Propane	33,875	--	2,093	5,362	29,549	--	-2,567	--	19,368	54,078	5,594
Normal Butane	10,733	--	-927	378	8,243	--	-387	3,674	10,375	4,765	1,617
Isobutane	4,405	--	-613	169	-1,765	--	-69	650	4	1,611	150
Natural Gasoline	9,435	-43	--	--	-1,671	--	-174	1,442	404	6,049	305
Refinery Olefins	--	--	2,355	1,422	1,827	--	-156	--	--	5,760	167
Ethylene	--	--	92	--	--	--	--	--	--	92	--
Propylene	--	--	2,094	1,422	1,827	--	-44	--	--	5,387	101
Normal Butylene	--	--	16	--	--	--	-92	--	--	108	44
Isobutylene	--	--	153	--	--	--	-20	--	--	173	22
Other Liquids	--	2,526	--	97,837	272,214	30,690	-1,198	401,145	765	2,556	74,700
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	2,526	--	764	42,224	3,166	-1,299	48,289	591	1,099	7,293
Hydrogen	--	--	--	--	--	409	--	409	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	2,526	--	764	42,224	2,757	-1,299	47,880	591	1,099	7,293
Fuel Ethanol	--	1,695	--	--	41,102	2,757	-1,054	46,256	352	0	6,177
Renewable Fuels Except Fuel Ethanol	--	831	--	764	1,122	--	-245	1,624	239	1,099	1,116
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	8,724	-168	--	865	6,079	155	1,457	4,193
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	88,349	230,158	27,524	-764	346,777	18	0	63,214
Reformulated	--	--	--	30,232	32,057	11,748	-511	74,546	2	0	21,453
Conventional	--	--	--	58,117	198,101	15,776	-253	272,231	16	0	41,761
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	2	506,451	75,439	172,540	-30,281	-22,171	--	11,075	735,247	70,576
Finished Motor Gasoline	--	--	452,110	13,950	16,623	-30,281	-1,356	--	1,146	452,612	3,206
Reformulated	--	--	167,070	--	--	-9,249	-24	--	--	157,845	6
Conventional	--	--	285,040	13,950	16,623	-21,032	-1,332	--	1,146	294,766	3,200
Finished Aviation Gasoline	--	--	-13	18	350	--	-26	--	--	381	184
Kerosene-Type Jet Fuel	--	--	6,644	6,448	46,314	--	-156	--	881	58,681	9,994
Kerosene	--	--	154	--	473	--	-833	--	3	1,457	1,371
Distillate Fuel Oil ⁶	--	2	28,539	43,770	99,578	--	-21,005	--	2,778	190,115	39,615
15 ppm sulfur and under	--	2	29,118	43,770	96,883	--	-20,158	--	2,169	187,762	36,055
Greater than 15 ppm to 500 ppm sulfur	--	--	106	--	3	--	-450	--	606	-47	957
Greater than 500 ppm sulfur	--	--	-685	--	2,692	--	-397	--	4	2,400	2,603
Residual Fuel Oil	--	--	5,527	6,380	49	--	-589	--	1,607	10,938	7,425
Less than 0.31 percent sulfur	--	--	-102	200	--	--	-383	--	NA	NA	544
0.31 to 1.00 percent sulfur	--	--	4,263	2,357	--	--	-721	--	NA	NA	1,629
Greater than 1.00 percent sulfur	--	--	1,366	3,823	49	--	515	--	NA	NA	5,252
Petrochemical Feedstocks	--	--	--	347	82	--	--	--	--	429	--
Naphtha for Petro. Feed. Use	--	--	--	337	82	--	--	--	--	419	--
Other Oils for Petro. Feed. Use	--	--	--	10	--	--	--	--	--	10	--
Special Naphthas	--	--	65	16	--	--	6	--	--	75	48
Lubricants	--	--	1,551	692	2,118	--	-272	--	855	3,778	871
Waxes	--	--	-99	511	--	--	-42	--	405	49	219
Petroleum Coke	--	--	3,123	7	1,901	--	--	--	2,970	2,062	--
Marketable	--	--	1,111	7	1,901	--	--	--	2,970	50	--
Catalyst	--	--	2,012	--	--	--	--	--	--	2,012	--
Asphalt and Road Oil	--	--	4,270	3,300	5,052	--	2,099	--	354	10,168	7,583
Still Gas	--	--	4,141	--	--	--	--	--	--	4,141	--
Miscellaneous Products	--	--	439	--	--	--	3	--	75	361	60
Total	105,746	2,485	509,359	257,428	469,511	-2,844	-27,846	503,559	56,084	809,887	162,989

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, May 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	79	--	--	570	110	-68	-8	699	--	0
Hydrocarbon Gas Liquids	611	0	32	26	42	--	61	24	246	379
Natural Gas Liquids	611	0	17	17	33	--	60	24	246	347
Ethane	215	--	--	--	-157	--	-1	--	60	0
Propane	230	--	14	15	158	--	49	--	115	253
Normal Butane	72	--	6	1	54	--	8	12	68	45
Isobutane	30	--	-3	0	-12	--	0	4	0	12
Natural Gasoline	64	0	--	--	-11	--	3	8	3	38
Refinery Olefins	--	--	15	9	9	--	1	--	--	32
Ethylene	--	--	1	--	--	--	--	--	--	1
Propylene	--	--	12	9	9	--	0	--	--	31
Normal Butylene	--	--	1	--	--	--	1	--	--	-1
Isobutylene	--	--	1	--	--	--	0	--	--	1
Other Liquids	--	14	--	787	1,849	306	62	2,866	5	23
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	14	--	4	293	7	-33	341	4	6
Hydrogen	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	14	--	4	293	4	-33	338	4	6
Fuel Ethanol ⁶	--	8	--	--	291	4	-28	329	3	0
Renewable Fuels Except Fuel Ethanol	--	6	--	4	2	--	-5	9	1	6
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	46	-1	--	4	23	1	17
Motor Gasoline Blend Comp. (MGBC) ⁶	--	--	--	737	1,557	299	91	2,502	0	0
Reformulated	--	--	--	227	209	149	95	490	0	0
Conventional	--	--	--	510	1,349	150	-4	2,012	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	3,598	528	1,077	-303	-58	--	78	4,881
Finished Motor Gasoline	--	--	3,234	164	91	-303	4	--	20	3,162
Reformulated	--	--	1,199	--	--	-122	0	--	--	1,077
Conventional	--	--	2,035	164	91	-181	4	--	20	2,085
Finished Aviation Gasoline	--	--	0	0	4	--	0	--	--	4
Kerosene-Type Jet Fuel	--	--	51	71	312	--	-22	--	10	446
Kerosene	--	--	1	--	--	--	2	--	--	-1
Distillate Fuel Oil ⁶	--	0	178	217	612	--	-54	--	23	1,038
15 ppm sulfur and under	--	0	192	217	599	--	-59	--	23	1,044
Greater than 15 ppm to 500 ppm sulfur	--	--	0	--	0	--	0	--	--	0
Greater than 500 ppm sulfur	--	--	-14	--	13	--	5	--	--	-6
Residual Fuel Oil	--	--	42	36	--	--	21	--	2	55
Less than 0.31 percent sulfur	--	--	0	--	--	--	-4	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	33	15	--	--	6	--	NA	NA
Greater than 1.00 percent sulfur	--	--	9	21	--	--	18	--	NA	NA
Petrochemical Feedstocks	--	--	--	0	3	--	--	--	--	3
Naphtha for Petro. Feed. Use	--	--	--	0	3	--	--	--	--	3
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	0	--	--	0	--	--	0
Lubricants	--	--	8	6	10	--	-2	--	6	20
Waxes	--	--	-1	3	--	--	0	--	3	0
Petroleum Coke	--	--	21	--	13	--	--	--	12	22
Marketable	--	--	7	--	13	--	--	--	12	8
Catalyst	--	--	14	--	--	--	--	--	--	14
Asphalt and Road Oil	--	--	31	31	33	--	-7	--	2	100
Still Gas	--	--	29	--	--	--	--	--	--	29
Miscellaneous Products	--	--	3	--	--	--	0	--	0	2
Total	690	14	3,630	1,911	3,078	-65	57	3,590	329	5,283

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-May 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	78	--	--	509	87	-22	-8	640	21	0
Hydrocarbon Gas Liquids	622	0	19	49	77	--	-22	38	272	477
Natural Gas Liquids	622	0	4	39	65	--	-20	38	272	439
Ethane	235	--	--	--	-163	--	1	--	73	-1
Propane	224	--	14	36	196	--	-17	--	128	358
Normal Butane	71	--	-6	3	55	--	-3	24	69	32
Isobutane	29	--	-4	1	-12	--	0	4	0	11
Natural Gasoline	62	0	--	--	-11	--	-1	10	3	40
Refinery Olefins	--	--	16	9	12	--	-1	--	--	38
Ethylene	--	--	1	--	--	--	--	--	--	1
Propylene	--	--	14	9	12	--	0	--	--	36
Normal Butylene	--	--	0	--	--	--	-1	--	--	1
Isobutylene	--	--	1	--	--	--	0	--	--	1
Other Liquids	--	17	--	648	1,803	203	-8	2,657	5	17
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	17	--	5	280	21	-9	320	4	7
Hydrogen	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	17	--	5	280	18	-9	317	4	7
Fuel Ethanol ⁶	--	11	--	--	272	18	-7	306	2	0
Renewable Fuels Except Fuel Ethanol	--	6	--	5	7	--	-2	11	2	7
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	58	-1	--	6	40	1	10
Motor Gasoline Blend Comp. (MGBC) ⁶	--	--	--	585	1,524	182	-5	2,297	0	0
Reformulated	--	--	--	200	212	78	-3	494	0	0
Conventional	--	--	--	385	1,312	104	-2	1,803	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	3,354	500	1,143	-201	-147	--	73	4,869
Finished Motor Gasoline	--	--	2,994	92	110	-201	-9	--	8	2,997
Reformulated	--	--	1,106	--	--	-61	0	--	--	1,045
Conventional	--	--	1,888	92	110	-139	-9	--	8	1,952
Finished Aviation Gasoline	--	--	0	0	2	--	0	--	--	3
Kerosene-Type Jet Fuel	--	--	44	43	307	--	-1	--	6	389
Kerosene	--	--	1	--	3	--	-6	--	0	10
Distillate Fuel Oil ⁶	--	0	189	290	659	--	-139	--	18	1,259
15 ppm sulfur and under	--	0	193	290	642	--	-133	--	14	1,243
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	0	--	-3	--	4	0
Greater than 500 ppm sulfur	--	--	-5	--	18	--	-3	--	0	16
Residual Fuel Oil	--	--	37	42	0	--	-4	--	11	72
Less than 0.31 percent sulfur	--	--	-1	1	--	--	-3	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	28	16	--	--	-5	--	NA	NA
Greater than 1.00 percent sulfur	--	--	9	25	0	--	3	--	NA	NA
Petrochemical Feedstocks	--	--	--	2	1	--	--	--	--	3
Naphtha for Petro. Feed. Use	--	--	--	2	1	--	--	--	--	3
Other Oils for Petro. Feed. Use	--	--	--	0	--	--	--	--	--	0
Special Naphthas	--	--	0	0	--	--	0	--	--	0
Lubricants	--	--	10	5	14	--	-2	--	6	25
Waxes	--	--	-1	3	--	--	0	--	3	0
Petroleum Coke	--	--	21	0	13	--	--	--	20	14
Marketable	--	--	7	0	13	--	--	--	20	0
Catalyst	--	--	13	--	--	--	--	--	--	13
Asphalt and Road Oil	--	--	28	22	33	--	14	--	2	67
Still Gas	--	--	27	--	--	--	--	--	--	27
Miscellaneous Products	--	--	3	--	--	--	0	--	0	2
Total	700	16	3,373	1,705	3,109	-19	-184	3,335	371	5,363

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, May 2021
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil	51,007	--	--	76,247	-18,150	10,699	94	115,634	4,074	0	133,921
Hydrocarbon Gas Liquids	33,383	-671	6,188	1,714	-21,906	--	4,474	2,120	8,923	3,190	39,209
Natural Gas Liquids	33,383	-671	4,826	1,472	-21,053	--	4,444	2,120	8,923	2,469	38,711
Ethane	12,498	--	--	--	-5,968	--	86	--	2,384	4,060	6,341
Propane	11,394	--	2,385	930	-12,724	--	2,150	--	152	-317	12,271
Normal Butane	3,865	--	2,597	379	-5,431	--	2,644	84	142	-1,460	8,773
Isobutane	1,971	--	-156	154	-117	--	176	1,367	3	306	2,176
Natural Gasoline	3,655	-671	--	9	3,187	--	-612	669	6,242	-120	9,150
Refinery Olefins	--	--	1,362	242	-853	--	30	--	--	721	498
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,297	165	-853	--	1	--	--	608	349
Normal Butylene	--	--	65	77	--	--	29	--	--	113	149
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	32,780	--	411	-9,999	592	296	20,992	2,403	93	66,058
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	32,779	--	94	-19,930	-193	1,226	9,463	821	1,240	10,277
Hydrogen	--	--	--	--	--	1,206	--	1,206	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	32,779	--	94	-19,930	-1,411	1,234	8,237	821	1,240	10,269
Fuel Ethanol	--	29,842	--	--	-19,155	-1,411	1,054	7,712	509	0	9,065
Renewable Fuels Except Fuel Ethanol	--	2,937	--	94	-775	--	179	525	312	1,240	1,204
Other Hydrocarbons	--	--	--	--	--	12	-8	20	--	0	8
Unfinished Oils	--	--	--	--	201	--	-311	253	1,406	-1,147	13,177
Motor Gasoline Blend.Comp. (MGBC)	--	1	--	317	9,730	785	-619	11,276	175	0	42,604
Reformulated	--	1	--	--	4,993	-3,122	-285	2,156	--	0	5,547
Conventional	--	--	--	317	4,737	3,907	-334	9,120	175	0	37,057
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	143	138,809	1,628	6,326	626	3,502	--	1,146	142,884	61,270
Finished Motor Gasoline	--	142	79,876	100	857	626	-798	--	269	82,129	5,160
Reformulated	--	--	10,593	--	--	3,568	--	--	--	14,161	--
Conventional	--	142	69,283	100	857	-2,942	-798	--	269	67,968	5,160
Finished Aviation Gasoline	--	--	--	5	15	--	-19	--	--	39	167
Kerosene-Type Jet Fuel	--	--	7,534	37	806	--	173	--	2	8,202	6,601
Kerosene	--	--	52	--	--	--	6	--	--	46	102
Distillate Fuel Oil	--	1	33,620	139	7,172	--	3,944	--	54	36,934	30,040
15 ppm sulfur and under	--	1	33,599	135	7,068	--	3,841	--	0	36,962	29,219
Greater than 15 ppm to 500 ppm sulfur	--	--	105	3	104	--	96	--	16	100	359
Greater than 500 ppm sulfur	--	--	-84	1	--	--	7	--	38	-128	462
Residual Fuel Oil	--	--	1,034	22	-509	--	178	--	167	202	1,328
Less than 0.31 percent sulfur	--	--	27	--	--	--	-19	--	NA	NA	30
0.31 to 1.00 percent sulfur	--	--	428	9	-348	--	134	--	NA	NA	317
Greater than 1.00 percent sulfur	--	--	579	13	-161	--	63	--	NA	NA	981
Petrochemical Feedstocks	--	--	1,069	155	-204	--	15	--	--	1,005	521
Naphtha for Petro. Feed. Use	--	--	650	86	-204	--	1	--	--	531	418
Other Oils for Petro. Feed. Use	--	--	419	69	--	--	14	--	--	474	103
Special Naphthas	--	--	-32	7	48	--	31	--	--	-8	178
Lubricants	--	--	267	250	157	--	-5	--	205	474	666
Waxes	--	--	43	20	--	--	12	--	40	11	42
Petroleum Coke	--	--	5,496	14	-957	--	-87	--	347	4,293	1,791
Marketable	--	--	4,078	14	-957	--	-87	--	347	2,875	1,791
Catalyst	--	--	1,418	--	--	--	--	--	--	1,418	--
Asphalt and Road Oil	--	--	5,109	879	-1,069	--	40	--	61	4,818	14,591
Still Gas	--	--	4,274	--	--	--	--	--	--	4,274	--
Miscellaneous Products	--	--	467	--	10	--	12	--	0	465	83
Total	84,390	32,251	144,997	80,000	-43,729	11,917	8,366	138,746	16,546	146,167	300,458

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-May 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	243,627	--	--	401,698	-124,623	19,230	-13,238	536,173	16,997	0	133,921
Hydrocarbon Gas Liquids	153,386	-2,921	17,181	12,725	-98,589	--	-7,941	12,112	46,122	31,488	39,209
Natural Gas Liquids	153,386	-2,921	10,495	11,512	-93,831	--	-8,012	12,112	46,122	28,418	38,711
Ethane	55,536	--	--	--	-26,284	--	526	--	13,194	15,532	6,341
Propane	53,790	--	10,484	8,398	-59,984	--	-7,710	--	652	19,746	12,271
Normal Butane	18,250	--	392	2,317	-21,973	--	860	3,066	564	-5,504	8,773
Isobutane	9,063	--	-381	766	-1,298	--	287	6,457	12	1,394	2,176
Natural Gasoline	16,747	-2,921	--	31	15,708	--	-1,975	2,589	31,700	-2,750	9,150
Refinery Olefins	--	--	6,686	1,213	-4,758	--	71	--	--	3,070	498
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	6,466	886	-4,758	--	-32	--	--	2,626	349
Normal Butylene	--	--	220	307	--	--	103	--	--	424	149
Isobutylene	--	--	--	20	--	--	0	--	--	20	0
Other Liquids	--	146,678	--	1,926	-67,155	-2,302	196	69,897	10,964	-1,910	66,058
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	146,679	--	349	-94,593	-2,127	-548	42,153	3,179	5,524	10,277
Hydrogen	--	--	--	--	--	5,599	--	5,599	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	146,679	--	349	-94,593	-7,795	-543	36,480	3,179	5,524	10,269
Fuel Ethanol	--	133,971	--	--	-89,947	-7,795	-669	34,522	2,375	0	9,065
Renewable Fuels Except Fuel Ethanol	--	12,709	--	349	-4,646	--	125	1,958	804	5,524	1,204
Other Hydrocarbons	--	--	--	--	--	69	-5	74	--	0	8
Unfinished Oils	--	--	--	23	-836	--	1,663	-2,395	7,353	-7,434	13,177
Motor Gasoline Blend.Comp. (MGBC)	--	-1	--	1,554	28,274	-174	-918	30,139	432	0	42,604
Reformulated	--	-1	--	--	8,462	956	368	9,049	--	0	5,547
Conventional	--	--	--	1,554	19,812	-1,130	-1,286	21,090	432	0	37,057
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	545	633,474	6,965	15,355	7,970	5,515	--	4,672	654,122	61,270
Finished Motor Gasoline	--	539	357,804	100	1,910	7,970	-2,196	--	1,169	369,349	5,160
Reformulated	--	--	48,047	--	--	21	--	--	--	48,068	--
Conventional	--	539	309,757	100	1,910	7,949	-2,196	--	1,169	321,281	5,160
Finished Aviation Gasoline	--	--	59	20	70	--	-14	--	--	163	167
Kerosene-Type Jet Fuel	--	--	32,147	37	3,534	--	59	--	109	35,550	6,601
Kerosene	--	--	721	--	--	--	-96	--	4	813	102
Distillate Fuel Oil	--	6	159,190	836	20,372	--	2,016	--	426	177,962	30,040
15 ppm sulfur and under	--	6	159,046	826	20,045	--	1,793	--	6	178,124	29,219
Greater than 15 ppm to 500 ppm sulfur	--	--	478	6	327	--	57	--	84	670	359
Greater than 500 ppm sulfur	--	--	-334	4	--	--	166	--	336	-832	462
Residual Fuel Oil	--	--	4,965	897	-2,292	--	199	--	742	2,629	1,328
Less than 0.31 percent sulfur	--	--	315	--	--	--	-43	--	NA	NA	30
0.31 to 1.00 percent sulfur	--	--	1,748	176	-1,321	--	81	--	NA	NA	317
Greater than 1.00 percent sulfur	--	--	2,902	721	-971	--	161	--	NA	NA	981
Petrochemical Feedstocks	--	--	4,574	724	-514	--	-83	--	--	4,867	521
Naphtha for Petro. Feed. Use	--	--	2,826	391	-445	--	-64	--	--	2,836	418
Other Oils for Petro. Feed. Use	--	--	1,748	333	-69	--	-19	--	--	2,031	103
Special Naphthas	--	--	3	38	138	--	27	--	--	152	178
Lubricants	--	--	881	1,096	964	--	35	--	913	1,993	666
Waxes	--	--	149	92	--	--	2	--	166	73	42
Petroleum Coke	--	--	25,546	143	-4,306	--	156	--	723	20,505	1,791
Marketable	--	--	18,818	143	-4,306	--	156	--	723	13,777	1,791
Catalyst	--	--	6,728	--	--	--	--	--	--	6,728	--
Asphalt and Road Oil	--	--	25,413	2,982	-4,551	--	5,434	--	409	18,001	14,591
Still Gas	--	--	19,816	--	--	--	--	--	--	19,816	--
Miscellaneous Products	--	--	2,206	--	30	--	-24	--	10	2,250	83
Total	397,013	144,302	650,655	423,314	-275,013	24,898	-15,468	618,182	78,755	683,700	300,458

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, May 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,645	--	--	2,460	-585	345	3	3,730	131	0
Hydrocarbon Gas Liquids	1,077	-22	200	55	-707	--	144	68	288	103
Natural Gas Liquids	1,077	-22	156	47	-679	--	143	68	288	80
Ethane	403	--	--	--	-193	--	3	--	77	131
Propane	368	--	77	30	-410	--	69	--	5	-10
Normal Butane	125	--	84	12	-175	--	85	3	5	-47
Isobutane	64	--	-5	5	-4	--	6	44	0	10
Natural Gasoline	118	-22	--	0	103	--	-20	22	201	-4
Refinery Olefins	--	--	44	8	-28	--	1	--	--	23
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	42	5	-28	--	0	--	--	20
Normal Butylene	--	--	2	2	--	--	1	--	--	4
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	1,057	--	13	-323	19	10	677	78	3
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,057	--	3	-643	-6	40	305	26	40
Hydrogen	--	--	--	--	--	39	--	39	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,057	--	3	-643	-46	40	266	26	40
Fuel Ethanol	--	963	--	--	-618	-46	34	249	16	0
Renewable Fuels Except Fuel Ethanol	--	95	--	3	-25	--	6	17	10	40
Other Hydrocarbons	--	--	--	--	--	0	0	1	--	0
Unfinished Oils	--	--	--	--	6	--	-10	8	45	-37
Motor Gasoline Blend Comp. (MGBG)	--	0	--	10	314	25	-20	364	6	0
Reformulated	--	0	--	--	161	-101	-9	70	--	0
Conventional	--	--	--	10	153	126	-11	294	6	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	5	4,478	53	204	20	113	--	37	4,609
Finished Motor Gasoline	--	5	2,577	3	28	20	-26	--	9	2,649
Reformulated	--	--	342	--	--	115	--	--	--	457
Conventional	--	5	2,235	3	28	-95	-26	--	9	2,193
Finished Aviation Gasoline	--	--	--	0	0	--	-1	--	--	1
Kerosene-Type Jet Fuel	--	--	243	1	26	--	6	--	0	265
Kerosene	--	--	2	--	--	--	0	--	--	1
Distillate Fuel Oil	--	0	1,085	4	231	--	127	--	2	1,191
15 ppm sulfur and under	--	0	1,084	4	228	--	124	--	0	1,192
Greater than 15 ppm to 500 ppm sulfur	--	--	3	0	3	--	3	--	1	3
Greater than 500 ppm sulfur	--	--	-3	0	--	--	0	--	1	-4
Residual Fuel Oil	--	--	33	1	-16	--	6	--	5	7
Less than 0.31 percent sulfur	--	--	1	--	--	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	14	0	-11	--	4	--	NA	NA
Greater than 1.00 percent sulfur	--	--	19	0	-5	--	2	--	NA	NA
Petrochemical Feedstocks	--	--	34	5	-7	--	0	--	--	32
Naphtha for Petro. Feed. Use	--	--	21	3	-7	--	0	--	--	17
Other Oils for Petro. Feed. Use	--	--	14	2	--	--	0	--	--	15
Special Naphthas	--	--	-1	0	2	--	1	--	--	0
Lubricants	--	--	9	8	5	--	0	--	7	15
Waxes	--	--	1	1	--	--	0	--	1	0
Petroleum Coke	--	--	177	0	-31	--	-3	--	11	138
Marketable	--	--	132	0	-31	--	-3	--	11	93
Catalyst	--	--	46	--	--	--	--	--	--	46
Asphalt and Road Oil	--	--	165	28	-34	--	1	--	2	155
Still Gas	--	--	138	--	--	--	--	--	--	138
Miscellaneous Products	--	--	15	--	0	--	0	--	0	15
Total	2,722	1,040	4,677	2,581	-1,411	384	270	4,476	534	4,715

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-May 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,613	--	--	2,660	-825	127	-88	3,551	113	0
Hydrocarbon Gas Liquids	1,016	-19	114	84	-653	--	-53	80	305	209
Natural Gas Liquids	1,016	-19	70	76	-621	--	-53	80	305	188
Ethane	368	--	--	--	-174	--	3	--	87	103
Propane	356	--	69	56	-397	--	-51	--	4	131
Normal Butane	121	--	3	15	-146	--	6	20	4	-36
Isobutane	60	--	-3	5	-9	--	2	43	0	9
Natural Gasoline	111	-19	--	0	104	--	-13	17	210	-18
Refinery Olefins	--	--	44	8	-32	--	0	--	--	20
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	43	6	-32	--	0	--	--	17
Normal Butylene	--	--	1	2	--	--	1	--	--	3
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	971	--	13	-445	-15	1	463	73	-13
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	971	--	2	-626	-14	-4	279	21	37
Hydrogen	--	--	--	--	--	37	--	37	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	971	--	2	-626	-52	-4	242	21	37
Fuel Ethanol	--	887	--	--	-596	-52	-4	229	16	0
Renewable Fuels Except Fuel Ethanol	--	84	--	2	-31	--	1	13	5	37
Other Hydrocarbons	--	--	--	--	--	0	0	0	--	0
Unfinished Oils	--	--	--	0	-6	--	11	-16	49	-49
Motor Gasoline Blend Comp. (MGBG)	--	0	--	10	187	-1	-6	200	3	0
Reformulated	--	0	--	--	56	6	2	60	--	0
Conventional	--	--	--	10	131	-7	-9	140	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	4	4,195	46	102	53	37	--	31	4,332
Finished Motor Gasoline	--	4	2,370	1	13	53	-15	--	8	2,446
Reformulated	--	--	318	--	--	0	--	--	--	318
Conventional	--	4	2,051	1	13	53	-15	--	8	2,128
Finished Aviation Gasoline	--	--	0	0	0	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	213	0	23	--	0	--	1	235
Kerosene	--	--	5	--	--	--	-1	--	0	5
Distillate Fuel Oil	--	0	1,054	6	135	--	13	--	3	1,179
15 ppm sulfur and under	--	0	1,053	5	133	--	12	--	0	1,180
Greater than 15 ppm to 500 ppm sulfur	--	--	3	0	2	--	0	--	1	4
Greater than 500 ppm sulfur	--	--	-2	0	--	--	1	--	2	-6
Residual Fuel Oil	--	--	33	6	-15	--	1	--	5	17
Less than 0.31 percent sulfur	--	--	2	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	12	1	-9	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	19	5	-6	--	1	--	NA	NA
Petrochemical Feedstocks	--	--	30	5	-3	--	-1	--	--	32
Naphtha for Petro. Feed. Use	--	--	19	3	-3	--	0	--	--	19
Other Oils for Petro. Feed. Use	--	--	12	2	0	--	0	--	--	13
Special Naphthas	--	--	0	0	1	--	0	--	--	1
Lubricants	--	--	6	7	6	--	0	--	6	13
Waxes	--	--	1	1	--	--	0	--	1	0
Petroleum Coke	--	--	169	1	-29	--	1	--	5	136
Marketable	--	--	125	1	-29	--	1	--	5	91
Catalyst	--	--	45	--	--	--	--	--	--	45
Asphalt and Road Oil	--	--	168	20	-30	--	36	--	3	119
Still Gas	--	--	131	--	--	--	--	--	--	131
Miscellaneous Products	--	--	15	--	0	--	0	--	0	15
Total	2,629	956	4,309	2,803	-1,821	165	-102	4,094	522	4,528

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, May 2021
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil⁶	245,271	--	--	38,544	29,267	11,073	-18,738	263,201	79,692	0	888,328
Hydrocarbon Gas Liquids	98,195	-11	18,102	--	29,869	--	2,243	8,002	52,634	83,275	128,700
Natural Gas Liquids	98,195	-11	10,022	--	29,303	--	2,269	8,002	52,634	74,603	127,654
Ethane	42,846	--	184	--	14,629	--	-2,736	--	7,140	53,255	58,362
Propane	29,719	--	5,250	--	10,439	--	2,542	--	34,297	8,569	27,430
Normal Butane	6,907	--	4,499	--	4,758	--	2,244	1,493	11,006	1,421	23,160
Isobutane	8,777	--	89	--	1,076	--	-1,374	4,078	135	7,103	6,661
Natural Gasoline	9,946	-11	--	--	-1,599	--	1,593	2,431	55	4,256	12,041
Refinery Olefins	--	--	8,080	--	566	--	-26	--	--	8,672	1,046
Ethylene	--	--	2	--	--	--	0	--	--	2	0
Propylene	--	--	8,172	--	566	--	28	--	--	8,710	645
Normal Butylene	--	--	-41	--	--	--	-63	--	--	22	367
Isobutylene	--	--	-53	--	--	--	9	--	--	-62	34
Other Liquids	--	1,927	--	20,618	-59,597	1,705	-1,491	-49,977	15,286	835	137,340
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,927	--	--	4,377	3,865	-945	8,809	1,010	1,295	5,473
Hydrogen	--	--	--	--	--	3,854	--	3,854	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,927	--	--	4,377	11	-945	4,955	1,010	1,295	5,473
Fuel Ethanol	--	550	--	--	4,358	11	-604	4,630	894	0	4,046
Renewable Fuels Except Fuel Ethanol	--	1,377	--	--	18	--	-341	325	116	1,295	1,427
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	16,469	-159	--	-2,640	7,906	11,495	-451	50,816
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	4,149	-63,815	-2,160	2,103	-66,710	2,781	0	81,030
Reformulated	--	--	--	--	-13,542	4,977	1,495	-10,061	1	0	11,183
Conventional	--	--	--	4,149	-50,273	-7,137	608	-56,649	2,780	0	69,847
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-9	18	--	-9	21
Finished Petroleum Products	--	8	222,049	7,333	-41,861	2,149	4,630	--	71,386	113,662	115,627
Finished Motor Gasoline	--	0	69,172	--	-3,409	2,149	-132	--	23,735	44,309	7,824
Reformulated	--	--	13,528	--	--	-4,531	--	--	--	8,997	--
Conventional	--	0	55,644	--	-3,409	6,680	-132	--	23,735	35,312	7,824
Finished Aviation Gasoline	--	--	315	--	-130	--	79	--	--	106	431
Kerosene-Type Jet Fuel	--	--	20,658	--	-11,232	--	2,425	--	2,068	4,933	16,205
Kerosene	--	--	19	--	--	--	22	--	--	-3	174
Distillate Fuel Oil	--	8	86,358	711	-27,913	--	1,707	--	29,146	28,311	53,413
15 ppm sulfur and under	--	8	79,006	711	-27,402	--	-776	--	26,274	26,825	45,832
Greater than 15 ppm to 500 ppm sulfur	--	0	3,250	--	-105	--	203	--	1,806	1,136	1,474
Greater than 500 ppm sulfur	--	--	4,102	--	-406	--	2,280	--	1,066	350	6,107
Residual Fuel Oil	--	--	1,390	3,283	509	--	-742	--	2,026	3,898	16,999
Less than 0.31 percent sulfur	--	--	704	--	--	--	-913	--	NA	NA	1,947
0.31 to 1.00 percent sulfur	--	--	830	--	348	--	196	--	NA	NA	4,972
Greater than 1.00 percent sulfur	--	--	-144	3,283	161	--	-25	--	NA	NA	10,080
Petrochemical Feedstocks	--	--	8,467	598	122	--	182	--	--	9,005	2,637
Naphtha for Petro. Feed. Use	--	--	5,245	528	122	--	37	--	--	5,858	1,930
Other Oils for Petro. Feed. Use	--	--	3,222	70	--	--	145	--	--	3,147	707
Special Naphthas	--	--	1,180	540	-48	--	154	--	--	1,518	852
Lubricants	--	--	4,404	1,422	-478	--	708	--	2,459	2,181	6,867
Waxes	--	--	141	48	--	--	15	--	18	156	263
Petroleum Coke	--	--	13,967	731	829	--	472	--	11,302	3,753	3,412
Marketable	--	--	10,513	731	829	--	472	--	11,302	299	3,412
Catalyst	--	--	3,454	--	--	--	--	--	--	3,454	--
Asphalt and Road Oil	--	--	2,242	--	-100	--	-303	--	615	1,830	6,137
Still Gas	--	--	12,099	--	--	--	--	--	--	12,099	--
Miscellaneous Products	--	--	1,637	--	-10	--	43	--	18	1,566	413
Total	343,466	1,924	240,151	66,495	-42,322	14,927	-13,356	221,226	218,998	197,772	1,269,995

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-May 2021
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil⁶	1,150,160	--	--	176,538	170,218	73,023	-8,596	1,164,809	413,726	0	888,328
Hydrocarbon Gas Liquids	436,981	-47	63,390	32	126,705	--	-30,238	43,248	253,948	360,103	128,700
Natural Gas Liquids	436,981	-47	30,711	--	123,774	--	-29,971	43,248	253,948	324,194	127,654
Ethane	187,622	--	545	--	67,519	--	-3,353	--	30,698	228,341	58,362
Propane	135,862	--	21,942	--	41,894	--	-9,903	--	172,294	37,307	27,430
Normal Butane	31,002	--	8,851	--	17,575	--	-5,518	14,448	50,163	-1,665	23,160
Isobutane	39,968	--	-627	--	5,374	--	-2,764	15,956	450	31,073	6,661
Natural Gasoline	42,527	-47	--	--	-8,588	--	-8,433	12,844	343	29,138	12,041
Refinery Olefins	--	--	32,679	32	2,931	--	-267	--	--	35,909	1,046
Ethylene	--	--	22	--	--	--	0	--	--	22	--
Propylene	--	--	33,771	--	2,931	--	-305	--	--	37,007	645
Normal Butylene	--	--	-912	32	--	--	4	--	--	-884	367
Isobutylene	--	--	-202	--	--	--	34	--	--	-236	34
Other Liquids	--	8,637	--	78,583	-255,314	29,471	12,762	-235,672	66,743	17,545	137,340
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	8,637	--	133	27,589	18,316	46	39,368	10,525	4,737	5,473
Hydrogen	--	--	--	--	--	16,427	--	16,427	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	8,637	--	104	27,589	1,918	46	22,941	10,525	4,737	5,473
Fuel Ethanol	--	2,237	--	--	26,894	1,918	-270	21,152	10,167	0	4,046
Renewable Fuels Except Fuel Ethanol	--	6,401	--	104	695	--	316	1,789	358	4,737	1,427
Other Hydrocarbons	--	--	--	29	--	-29	--	--	--	0	--
Unfinished Oils	--	--	--	64,318	1,004	--	7,152	-1,599	46,900	12,869	50,816
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	14,132	-283,907	11,155	5,574	-273,512	9,318	0	81,030
Reformulated	--	--	--	--	-50,198	25,220	347	-25,341	16	0	11,183
Conventional	--	--	--	14,132	-233,709	-14,065	5,227	-248,171	9,302	0	69,847
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-10	71	--	-61	21
Finished Petroleum Products	--	19	980,442	27,762	-197,701	-13,073	4,695	--	330,321	462,432	115,627
Finished Motor Gasoline	--	0	316,043	1,191	-17,557	-13,073	-433	--	104,672	182,365	7,824
Reformulated	--	--	62,231	--	--	-24,502	--	--	--	37,729	--
Conventional	--	0	253,812	1,191	-17,557	11,429	-433	--	104,672	144,637	7,824
Finished Aviation Gasoline	--	--	1,096	102	-420	--	8	--	--	770	431
Kerosene-Type Jet Fuel	--	--	90,644	--	-53,684	--	3,781	--	8,890	24,289	16,205
Kerosene	--	--	297	--	-473	--	-69	--	546	-653	174
Distillate Fuel Oil	--	19	379,779	1,486	-127,686	--	308	--	133,188	120,101	53,413
15 ppm sulfur and under	--	19	351,381	1,086	-124,664	--	-1,599	--	114,480	114,940	45,832
Greater than 15 ppm to 500 ppm sulfur	--	0	14,652	--	-330	--	142	--	9,626	4,554	1,474
Greater than 500 ppm sulfur	--	--	13,746	400	-2,692	--	1,765	--	9,082	607	6,107
Residual Fuel Oil	--	--	7,002	14,301	2,243	--	832	--	11,334	11,380	16,999
Less than 0.31 percent sulfur	--	--	2,009	1,356	--	--	736	--	NA	NA	1,947
0.31 to 1.00 percent sulfur	--	--	2,923	560	1,321	--	1,162	--	NA	NA	4,972
Greater than 1.00 percent sulfur	--	--	2,070	12,385	922	--	-1,066	--	NA	NA	10,080
Petrochemical Feedstocks	--	--	34,867	1,737	432	--	355	--	--	36,681	2,637
Naphtha for Petro. Feed. Use	--	--	22,069	1,522	363	--	338	--	--	23,616	1,930
Other Oils for Petro. Feed. Use	--	--	12,798	215	69	--	17	--	--	13,065	707
Special Naphthas	--	--	4,506	1,658	-138	--	33	--	--	5,993	852
Lubricants	--	--	18,647	5,159	-2,760	--	-165	--	11,405	9,806	6,867
Waxes	--	--	481	266	--	--	9	--	138	600	263
Petroleum Coke	--	--	58,852	1,764	3,063	--	-1,244	--	57,868	7,055	3,412
Marketable	--	--	44,776	1,764	3,063	--	-1,244	--	57,868	-7,021	3,412
Catalyst	--	--	14,076	--	--	--	--	--	--	14,076	--
Asphalt and Road Oil	--	--	11,542	98	-692	--	1,170	--	2,209	7,570	6,137
Still Gas	--	--	49,754	--	--	--	--	--	--	49,754	--
Miscellaneous Products	--	--	6,932	--	-30	--	110	--	72	6,720	413
Total	1,587,141	8,609	1,043,832	282,915	-156,093	89,421	-21,377	972,385	1,064,737	840,080	1,269,995

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, May 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	7,912	--	--	1,243	944	357	-604	8,490	2,571	0
Hydrocarbon Gas Liquids	3,168	0	584	--	964	--	72	258	1,698	2,686
Natural Gas Liquids	3,168	0	323	--	945	--	73	258	1,698	2,407
Ethane	1,382	--	6	--	472	--	-88	--	230	1,718
Propane	959	--	169	--	337	--	82	--	1,106	276
Normal Butane	223	--	145	--	153	--	72	48	355	46
Isobutane	283	--	3	--	35	--	-44	132	4	229
Natural Gasoline	321	0	--	--	-52	--	51	78	2	137
Refinery Olefins	--	--	261	--	18	--	-1	--	--	280
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	264	--	18	--	1	--	--	281
Normal Butylene	--	--	-1	--	--	--	-2	--	--	1
Isobutylene	--	--	-2	--	--	--	0	--	--	-2
Other Liquids	--	62	--	665	-1,922	55	-48	-1,612	493	27
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	62	--	--	141	125	-30	284	33	42
Hydrogen	--	--	--	--	--	124	--	124	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	62	--	--	141	0	-30	160	33	42
Fuel Ethanol	--	18	--	--	141	0	-19	149	29	0
Renewable Fuels Except Fuel Ethanol	--	44	--	--	1	--	-11	10	4	42
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	531	-5	--	-85	255	371	-15
Motor Gasoline Blend Comp. (MGBC)	--	--	--	134	-2,059	-70	68	-2,152	90	0
Reformulated	--	--	--	--	-437	161	48	-325	0	0
Conventional	--	--	--	134	-1,622	-230	20	-1,827	90	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	1	--	0
Finished Petroleum Products	--	0	7,163	237	-1,350	69	149	--	2,303	3,667
Finished Motor Gasoline	--	0	2,231	--	-110	69	-4	--	766	1,429
Reformulated	--	--	436	--	--	-146	--	--	--	290
Conventional	--	0	1,795	--	-110	215	-4	--	766	1,139
Finished Aviation Gasoline	--	--	10	--	-4	--	3	--	--	3
Kerosene-Type Jet Fuel	--	--	666	--	-362	--	78	--	67	159
Kerosene	--	--	1	--	--	--	1	--	--	0
Distillate Fuel Oil	--	0	2,786	23	-900	--	55	--	940	913
15 ppm sulfur and under	--	0	2,549	23	-884	--	-25	--	848	865
Greater than 15 ppm to 500 ppm sulfur	--	0	105	--	-3	--	7	--	58	37
Greater than 500 ppm sulfur	--	--	132	--	-13	--	74	--	34	11
Residual Fuel Oil	--	--	45	106	16	--	-24	--	65	126
Less than 0.31 percent sulfur	--	--	23	--	--	--	-29	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	27	--	11	--	6	--	NA	NA
Greater than 1.00 percent sulfur	--	--	-5	106	5	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	273	19	4	--	6	--	--	290
Naphtha for Petro. Feed. Use	--	--	169	17	4	--	1	--	--	189
Other Oils for Petro. Feed. Use	--	--	104	2	--	--	5	--	--	102
Special Naphthas	--	--	38	17	-2	--	5	--	--	49
Lubricants	--	--	142	46	-15	--	23	--	79	70
Waxes	--	--	5	2	--	--	0	--	1	5
Petroleum Coke	--	--	451	24	27	--	15	--	365	121
Marketable	--	--	339	24	27	--	15	--	365	10
Catalyst	--	--	111	--	--	--	--	--	--	111
Asphalt and Road Oil	--	--	72	--	-3	--	-10	--	20	59
Still Gas	--	--	390	--	--	--	--	--	--	390
Miscellaneous Products	--	--	53	--	0	--	1	--	1	51
Total	11,080	62	7,747	2,145	-1,365	482	-431	7,136	7,064	6,380

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-May 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	7,617	--	--	1,169	1,127	484	-57	7,714	2,740	0
Hydrocarbon Gas Liquids	2,894	0	420	0	839	--	-200	286	1,682	2,385
Natural Gas Liquids	2,894	0	203	--	820	--	-198	286	1,682	2,147
Ethane	1,243	--	4	--	447	--	-22	--	203	1,512
Propane	900	--	145	--	277	--	-66	--	1,141	247
Normal Butane	205	--	59	--	116	--	-37	96	332	-11
Isobutane	265	--	-4	--	36	--	-18	106	3	206
Natural Gasoline	282	0	--	--	-57	--	-56	85	2	193
Refinery Olefins	--	--	216	0	19	--	-2	--	--	238
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	224	--	19	--	-2	--	--	245
Normal Butylene	--	--	-6	0	--	--	0	--	--	-6
Isobutylene	--	--	-1	--	--	--	0	--	--	-2
Other Liquids	--	57	--	520	-1,691	195	85	-1,561	442	116
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	57	--	1	183	121	0	261	70	31
Hydrogen	--	--	--	--	--	109	--	109	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	57	--	1	183	13	0	152	70	31
Fuel Ethanol	--	15	--	--	178	13	-2	140	67	0
Renewable Fuels Except Fuel Ethanol	--	42	--	1	5	--	2	12	2	31
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	426	7	--	47	-11	311	85
Motor Gasoline Blend Comp. (MGBC)	--	--	--	94	-1,880	74	37	-1,811	62	0
Reformulated	--	--	--	--	-332	167	2	-168	0	0
Conventional	--	--	--	94	-1,548	-93	35	-1,644	62	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	0	6,493	184	-1,309	-87	31	--	2,188	3,062
Finished Motor Gasoline	--	0	2,093	8	-116	-87	-3	--	693	1,208
Reformulated	--	--	412	--	--	-162	--	--	--	250
Conventional	--	0	1,681	8	-116	76	-3	--	693	958
Finished Aviation Gasoline	--	--	7	1	-3	--	0	--	--	5
Kerosene-Type Jet Fuel	--	--	600	--	-356	--	25	--	59	161
Kerosene	--	--	2	--	-3	--	0	--	4	-4
Distillate Fuel Oil	--	0	2,515	10	-846	--	2	--	882	795
15 ppm sulfur and under	--	0	2,327	7	-826	--	-11	--	758	761
Greater than 15 ppm to 500 ppm sulfur	--	0	97	--	-2	--	1	--	64	30
Greater than 500 ppm sulfur	--	--	91	3	-18	--	12	--	60	4
Residual Fuel Oil	--	--	46	95	15	--	6	--	75	75
Less than 0.31 percent sulfur	--	--	13	9	--	--	5	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	19	4	9	--	8	--	NA	NA
Greater than 1.00 percent sulfur	--	--	14	82	6	--	-7	--	NA	NA
Petrochemical Feedstocks	--	--	231	12	3	--	2	--	--	243
Naphtha for Petro. Feed. Use	--	--	146	10	2	--	2	--	--	156
Other Oils for Petro. Feed. Use	--	--	85	1	0	--	0	--	--	87
Special Naphthas	--	--	30	11	-1	--	0	--	--	40
Lubricants	--	--	123	34	-18	--	-1	--	76	65
Waxes	--	--	3	2	--	--	0	--	1	4
Petroleum Coke	--	--	390	12	20	--	-8	--	383	47
Marketable	--	--	297	12	20	--	-8	--	383	-46
Catalyst	--	--	93	--	--	--	--	--	--	93
Asphalt and Road Oil	--	--	76	1	-5	--	8	--	15	50
Still Gas	--	--	329	--	--	--	--	--	--	329
Miscellaneous Products	--	--	46	--	0	--	1	--	0	45
Total	10,511	57	6,913	1,874	-1,034	592	-142	6,440	7,051	5,563

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, May 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	24,049	--	--	12,711	-18,449	-1,687	-26	16,650	--	0	25,310
Hydrocarbon Gas Liquids	16,923	-7	434	265	-9,866	--	478	373	151	6,748	6,126
Natural Gas Liquids	16,923	-7	283	265	-9,866	--	449	373	151	6,626	5,975
Ethane	5,398	--	--	--	-3,798	--	101	--	--	1,499	1,289
Propane	5,853	--	215	229	-2,968	--	98	--	4	3,227	2,039
Normal Butane	2,182	--	97	35	-1,180	--	298	87	34	715	1,527
Isobutane	1,147	--	-29	1	-680	--	-21	149	--	311	420
Natural Gasoline	2,343	-7	--	--	-1,240	--	-27	137	113	874	700
Refinery Olefins	--	--	151	--	--	--	29	--	--	122	151
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	39	--	--	--	1	--	--	38	3
Normal Butylene	--	--	112	--	--	--	28	--	--	84	148
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	449	--	67	1,370	-176	-300	1,734	16	259	9,989
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	449	--	45	463	327	-56	1,160	16	165	477
Hydrogen	--	--	--	--	--	168	--	168	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	449	--	45	463	159	-56	992	16	165	477
Fuel Ethanol	--	293	--	--	452	159	-30	935	0	0	356
Renewable Fuels Except Fuel Ethanol	--	156	--	45	10	--	-26	57	16	165	121
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	388	-483	0	95	3,830
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	22	907	-504	-632	1,057	0	0	5,682
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	22	907	-504	-632	1,057	0	0	5,682
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	18,939	385	-652	344	-425	--	41	19,400	8,757
Finished Motor Gasoline	--	--	9,926	--	-471	344	-229	--	1	10,028	1,576
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	9,926	--	-471	344	-229	--	1	10,028	1,576
Finished Aviation Gasoline	--	--	5	--	--	--	0	--	--	5	9
Kerosene-Type Jet Fuel	--	--	936	226	493	--	-111	--	--	1,766	753
Kerosene	--	--	--	--	--	--	0	--	--	0	1
Distillate Fuel Oil	--	0	5,489	81	215	--	75	--	0	5,710	3,794
15 ppm sulfur and under	--	0	5,461	81	215	--	110	--	0	5,647	3,588
Greater than 15 ppm to 500 ppm sulfur	--	--	43	--	--	--	-33	--	--	76	167
Greater than 500 ppm sulfur	--	--	-15	--	--	--	-2	--	--	-13	39
Residual Fuel Oil	--	--	364	--	--	--	-9	--	20	353	207
Less than 0.31 percent sulfur	--	--	190	--	--	--	8	--	NA	NA	29
0.31 to 1.00 percent sulfur	--	--	25	--	--	--	-1	--	NA	NA	4
Greater than 1.00 percent sulfur	--	--	149	--	--	--	-16	--	NA	NA	174
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	17	-17	--
Waxes	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	--	576	--	-393	--	10	--	--	173	225
Marketable	--	--	380	--	-393	--	10	--	--	-23	225
Catalyst	--	--	196	--	--	--	--	--	--	196	--
Asphalt and Road Oil	--	--	941	77	-496	--	-158	--	2	678	2,182
Still Gas	--	--	606	--	--	--	--	--	--	606	--
Miscellaneous Products	--	--	96	1	--	--	-3	--	--	100	10
Total	40,972	442	19,373	13,428	-27,597	-1,519	-274	18,757	208	26,407	50,181

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-May 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	114,314	--	--	59,522	-81,368	-7,977	1,082	83,409	-	0	25,310
Hydrocarbon Gas Liquids	76,467	-34	1,375	2,324	-44,096	--	-366	2,195	460	33,747	6,126
Natural Gas Liquids	76,467	-34	896	2,324	-44,096	--	-344	2,195	460	33,246	5,975
Ethane	22,899	--	--	--	-16,679	--	357	--	--	5,863	1,289
Propane	27,312	--	1,095	1,884	-13,310	--	-778	--	8	17,751	2,039
Normal Butane	10,397	--	-176	392	-5,524	--	165	885	36	4,003	1,527
Isobutane	5,224	--	-23	48	-3,134	--	-16	710	0	1,421	420
Natural Gasoline	10,635	-34	--	--	-5,449	--	-72	600	416	4,209	700
Refinery Olefins	--	--	479	--	--	--	-22	--	--	501	151
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	165	--	--	--	3	--	--	162	3
Normal Butylene	--	--	314	--	--	--	-25	--	--	339	148
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	2,611	--	495	4,604	-2,611	355	3,036	64	1,643	9,989
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	2,611	--	230	1,883	1,947	50	5,526	63	1,032	477
Hydrogen	--	--	--	--	--	951	--	951	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	2,611	--	230	1,883	996	50	4,575	63	1,032	477
Fuel Ethanol	--	1,375	--	--	1,778	996	-60	4,174	36	0	356
Renewable Fuels Except Fuel Ethanol	--	1,236	--	230	104	--	110	401	27	1,032	121
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	59	--	--	1,142	-1,695	0	612	3,830
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	206	2,721	-4,558	-837	-795	1	0	5,682
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	206	2,721	-4,558	-837	-795	1	0	5,682
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	-1	90,209	1,377	-2,608	3,562	208	--	112	92,219	8,757
Finished Motor Gasoline	--	--	44,767	--	-1,845	3,562	-562	--	5	47,041	1,576
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	44,767	--	-1,845	3,562	-562	--	5	47,041	1,576
Finished Aviation Gasoline	--	--	25	27	--	--	2	--	--	50	9
Kerosene-Type Jet Fuel	--	--	4,326	290	2,549	--	187	--	--	6,978	753
Kerosene	--	--	--	--	--	--	-1	--	--	1	1
Distillate Fuel Oil	--	-1	27,530	782	424	--	-321	--	0	29,056	3,794
15 ppm sulfur and under	--	-1	27,250	782	424	--	-336	--	0	28,791	3,588
Greater than 15 ppm to 500 ppm sulfur	--	--	294	--	--	--	14	--	--	280	167
Greater than 500 ppm sulfur	--	--	-14	--	--	--	1	--	--	-15	39
Residual Fuel Oil	--	--	1,690	--	--	--	28	--	35	1,627	207
Less than 0.31 percent sulfur	--	--	898	--	--	--	6	--	NA	NA	29
0.31 to 1.00 percent sulfur	--	--	96	--	--	--	0	--	NA	NA	4
Greater than 1.00 percent sulfur	--	--	696	--	--	--	22	--	NA	NA	174
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	66	-66	--
Waxes	--	--	--	--	--	--	--	--	1	-1	--
Petroleum Coke	--	--	3,074	--	-1,353	--	29	--	0	1,691	225
Marketable	--	--	2,081	--	-1,353	--	29	--	0	698	225
Catalyst	--	--	993	--	--	--	--	--	--	993	--
Asphalt and Road Oil	--	--	5,357	273	-2,383	--	852	--	5	2,391	2,182
Still Gas	--	--	2,967	--	--	--	--	--	--	2,967	--
Miscellaneous Products	--	--	473	5	--	--	-6	--	--	484	10
Total	190,781	2,576	91,584	63,718	-123,468	-7,026	1,278	88,640	637	127,610	50,181

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biogdiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, May 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	776	--	--	410	-595	-54	-1	537	-	0
Hydrocarbon Gas Liquids	546	0	14	9	-318	--	15	12	5	218
Natural Gas Liquids	546	0	9	9	-318	--	14	12	5	214
Ethane	174	--	--	--	-123	--	3	--	--	48
Propane	189	--	7	7	-96	--	3	--	0	104
Normal Butane	70	--	3	1	-38	--	10	3	1	23
Isobutane	37	--	-1	0	-22	--	-1	5	--	10
Natural Gasoline	76	0	--	--	-40	--	-1	4	4	28
Refinery Olefins	--	--	5	--	--	--	1	--	--	4
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1	--	--	--	0	--	--	1
Normal Butylene	--	--	4	--	--	--	1	--	--	3
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	14	--	2	44	-6	-10	56	1	8
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	14	--	1	15	11	-2	37	1	5
Hydrogen	--	--	--	--	--	5	--	5	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	14	--	1	15	5	-2	32	1	5
Fuel Ethanol	--	9	--	--	15	5	-1	30	0	0
Renewable Fuels Except Fuel Ethanol	--	5	--	1	0	--	-1	2	1	5
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	13	-16	0	3
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1	29	-16	-20	34	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	1	29	-16	-20	34	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	611	12	-21	11	-14	--	1	626
Finished Motor Gasoline	--	--	320	--	-15	11	-7	--	0	323
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	320	--	-15	11	-7	--	0	323
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	30	7	16	--	-4	--	--	57
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	0	177	3	7	--	2	--	0	184
15 ppm sulfur and under	--	0	176	3	7	--	4	--	0	182
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	--	--	-1	--	--	2
Greater than 500 ppm sulfur	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil	--	--	12	--	--	--	0	--	1	11
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	5	--	--	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	1	-1
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	19	--	-13	--	0	--	--	6
Marketable	--	--	12	--	-13	--	0	--	--	-1
Catalyst	--	--	6	--	--	--	--	--	--	6
Asphalt and Road Oil	--	--	30	2	-16	--	-5	--	0	22
Still Gas	--	--	20	--	--	--	--	--	--	20
Miscellaneous Products	--	--	3	0	--	--	0	--	--	3
Total	1,322	14	625	433	-890	-49	-9	605	7	852

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-May 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	757	--	--	394	-539	-53	7	552	-	0
Hydrocarbon Gas Liquids	506	0	9	15	-292	--	-2	15	3	223
Natural Gas Liquids	506	0	6	15	-292	--	-2	15	3	220
Ethane	152	--	--	--	-110	--	2	--	--	39
Propane	181	--	7	12	-88	--	-5	--	0	118
Normal Butane	69	--	-1	3	-37	--	1	6	0	27
Isobutane	35	--	0	0	-21	--	0	5	0	9
Natural Gasoline	70	0	--	--	-36	--	0	4	3	28
Refinery Olefins	--	--	3	--	--	--	0	--	--	3
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1	--	--	--	0	--	--	1
Normal Butylene	--	--	2	--	--	--	0	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	17	--	3	30	-17	2	20	0	11
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	17	--	2	12	13	0	37	0	7
Hydrogen	--	--	--	--	--	6	--	6	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	17	--	2	12	7	0	30	0	7
Fuel Ethanol	--	9	--	--	12	7	0	28	0	0
Renewable Fuels Except Fuel Ethanol	--	8	--	2	1	--	1	3	0	7
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	0	--	--	8	-11	0	4
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1	18	-30	-6	-5	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	1	18	-30	-6	-5	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	0	597	9	-17	24	1	--	1	611
Finished Motor Gasoline	--	--	296	--	-12	24	-4	--	0	312
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	296	--	-12	24	-4	--	0	312
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	29	2	17	--	1	--	--	46
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	0	182	5	3	--	-2	--	0	192
15 ppm sulfur and under	--	0	180	5	3	--	-2	--	0	191
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	--	--	0	--	--	2
Greater than 500 ppm sulfur	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil	--	--	11	--	--	--	0	--	0	11
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	5	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	20	--	-9	--	0	--	0	11
Marketable	--	--	14	--	-9	--	0	--	0	5
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	35	2	-16	--	6	--	0	16
Still Gas	--	--	20	--	--	--	--	--	--	20
Miscellaneous Products	--	--	3	0	--	--	0	--	--	3
Total	1,263	17	607	422	-818	-47	8	587	4	845

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, May 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	25,361	--	--	35,473	3,934	2,495	-60	66,275	1,048	0	47,981
Hydrocarbon Gas Liquids	1,860	-4	2,187	1,109	590	--	428	2,098	1,485	1,731	3,505
Natural Gas Liquids	1,860	-4	1,897	1,109	590	--	334	2,098	1,485	1,535	3,386
Ethane	1	--	--	--	--	--	--	--	0	1	--
Propane	254	--	1,058	588	340	--	242	--	572	1,426	1,296
Normal Butane	484	--	760	520	167	--	168	544	872	347	1,616
Isobutane	211	--	79	1	83	--	-82	725	0	-269	422
Natural Gasoline	910	-4	--	--	--	--	6	829	41	31	52
Refinery Olefins	--	--	290	--	--	--	94	--	--	196	119
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	151	--	--	--	-3	--	--	154	8
Normal Butylene	--	--	139	--	--	--	97	--	--	42	111
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	795	--	4,686	10,918	-1,384	-214	13,382	483	1,364	49,884
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	795	--	931	6,020	668	83	6,702	303	1,327	4,165
Hydrogen	--	--	--	--	--	1,246	--	1,246	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	795	--	931	6,020	-578	83	5,456	303	1,327	4,165
Fuel Ethanol	--	276	--	--	5,327	-578	131	4,689	205	0	2,369
Renewable Fuels Except Fuel Ethanol	--	519	--	931	693	--	-48	767	98	1,327	1,797
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	2,384	--	--	1,033	1,292	22	37	18,756
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	1,371	4,898	-2,052	-1,330	5,388	159	0	26,962
Reformulated	--	0	--	--	2,083	-243	-1,257	3,095	2	0	12,933
Conventional	--	0	--	1,371	2,815	-1,809	-73	2,293	157	0	14,029
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	31	84,281	5,199	2,794	2,630	1,835	--	7,408	85,692	36,283
Finished Motor Gasoline	--	26	46,635	828	209	2,630	130	--	1,441	48,757	2,594
Reformulated	--	--	32,446	--	--	93	2	--	--	32,537	18
Conventional	--	26	14,189	828	209	2,536	128	--	1,441	16,220	2,576
Finished Aviation Gasoline	--	--	75	--	--	--	51	--	--	24	337
Kerosene-Type Jet Fuel	--	7	9,831	3,472	261	--	1,030	--	425	12,117	9,802
Kerosene	--	--	0	--	--	--	-3	--	--	3	7
Distillate Fuel Oil	--	-1	16,137	652	1,557	--	-112	--	1,512	16,945	13,099
15 ppm sulfur and under	--	-1	15,338	652	1,557	--	-260	--	1,339	16,466	12,163
Greater than 15 ppm to 500 ppm sulfur	--	--	455	--	--	--	80	--	22	353	296
Greater than 500 ppm sulfur	--	--	344	--	--	--	68	--	151	125	640
Residual Fuel Oil	--	--	2,301	158	--	--	344	--	236	1,879	5,724
Less than 0.31 percent sulfur	--	--	179	--	--	--	319	--	NA	NA	2,089
0.31 to 1.00 percent sulfur	--	--	618	82	--	--	164	--	NA	NA	650
Greater than 1.00 percent sulfur	--	--	1,504	76	--	--	-139	--	NA	NA	2,985
Petrochemical Feedstocks	--	--	--	32	--	--	0	--	--	32	2
Naphtha for Petro. Feed. Use	--	--	--	32	--	--	0	--	--	32	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	43	--	--	--	-1	--	--	44	31
Lubricants	--	--	639	43	--	--	168	--	492	22	744
Waxes	--	--	--	13	--	--	--	--	3	10	--
Petroleum Coke	--	--	4,016	--	121	--	161	--	3,276	700	1,097
Marketable	--	--	3,079	--	121	--	161	--	3,276	-237	1,097
Catalyst	--	--	937	--	--	--	--	--	--	937	--
Asphalt and Road Oil	--	--	896	1	647	--	65	--	24	1,454	2,752
Still Gas	--	--	3,379	--	--	--	--	--	--	3,379	--
Miscellaneous Products	--	--	329	--	--	--	3	--	0	326	93
Total	27,221	822	86,468	46,467	18,237	3,741	1,989	81,755	10,425	88,787	137,652

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-May 2021
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	125,082	--	--	155,822	22,644	5,618	2,815	299,824	6,526	0	47,981
Hydrocarbon Gas Liquids	9,255	-22	5,801	7,514	4,353	--	-748	11,108	7,215	9,327	3,505
Natural Gas Liquids	9,255	-22	4,788	7,514	4,353	--	-854	11,108	7,215	8,420	3,386
Ethane	2	--	--	--	--	--	--	--	0	2	--
Propane	1,228	--	4,683	5,055	1,851	--	-847	--	4,231	9,433	1,296
Normal Butane	2,163	--	-122	2,458	1,679	--	-70	3,659	2,887	-298	1,616
Isobutane	1,328	--	227	1	823	--	50	3,281	3	-955	422
Natural Gasoline	4,534	-22	--	--	--	--	13	4,168	93	238	52
Refinery Olefins	--	--	1,013	--	--	--	106	--	--	907	119
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	850	--	--	--	-3	--	--	853	8
Normal Butylene	--	--	163	--	--	--	109	--	--	54	111
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	2,974	--	16,670	45,652	-2,059	-158	53,885	2,260	7,251	49,884
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	2,974	--	4,509	22,898	6,427	-461	30,730	1,295	5,244	4,165
Hydrogen	--	--	--	--	--	6,288	--	6,288	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	2,974	--	4,509	22,898	139	-461	24,442	1,295	5,244	4,165
Fuel Ethanol	--	1,277	--	--	20,173	139	-621	21,176	1,034	0	2,369
Renewable Fuels Except Fuel Ethanol	--	1,697	--	4,509	2,725	--	161	3,266	260	5,244	1,797
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	7,367	--	--	1,743	3,420	198	2,006	18,756
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	4,794	22,754	-8,486	-1,441	19,735	767	0	26,962
Reformulated	--	0	--	--	9,679	-901	-2,537	11,305	10	0	12,933
Conventional	--	0	--	4,794	13,075	-7,585	1,096	8,430	758	0	14,029
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	148	382,389	22,724	12,414	8,347	375	--	36,604	389,044	36,283
Finished Motor Gasoline	--	124	211,222	2,654	869	8,347	-403	--	7,614	216,004	2,594
Reformulated	--	--	146,751	--	--	1,668	0	--	--	148,419	18
Conventional	--	124	64,471	2,654	869	6,679	-403	--	7,614	67,585	2,576
Finished Aviation Gasoline	--	--	194	8	--	--	37	--	--	165	337
Kerosene-Type Jet Fuel	--	35	43,398	13,311	1,287	--	857	--	1,941	55,232	9,802
Kerosene	--	--	47	--	--	--	-6	--	183	-130	7
Distillate Fuel Oil	--	-10	76,580	3,030	7,312	--	-1,478	--	8,445	79,945	13,099
15 ppm sulfur and under	--	-10	72,663	2,402	7,312	--	-1,418	--	6,973	76,812	12,163
Greater than 15 ppm to 500 ppm sulfur	--	--	2,338	628	--	--	82	--	700	2,184	296
Greater than 500 ppm sulfur	--	--	1,579	--	--	--	-142	--	772	949	640
Residual Fuel Oil	--	--	10,179	2,938	--	--	979	--	2,624	9,514	5,724
Less than 0.31 percent sulfur	--	--	390	--	--	--	1,237	--	NA	NA	2,089
0.31 to 1.00 percent sulfur	--	--	2,945	1,674	--	--	128	--	NA	NA	650
Greater than 1.00 percent sulfur	--	--	6,844	1,264	--	--	-386	--	NA	NA	2,985
Petrochemical Feedstocks	--	--	--	120	--	--	0	--	--	120	2
Naphtha for Petro. Feed. Use	--	--	--	120	--	--	0	--	--	120	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	194	--	--	--	-17	--	--	211	31
Lubricants	--	--	2,524	157	-322	--	-150	--	1,788	721	744
Waxes	--	--	--	131	--	--	--	--	19	112	--
Petroleum Coke	--	--	17,908	--	694	--	-119	--	13,854	4,868	1,097
Marketable	--	--	13,668	--	694	--	-119	--	13,854	628	1,097
Catalyst	--	--	4,240	--	--	--	--	--	--	4,240	--
Asphalt and Road Oil	--	--	3,462	375	2,574	--	666	--	134	5,611	2,752
Still Gas	--	--	15,014	--	--	--	--	--	--	15,014	--
Miscellaneous Products	--	--	1,667	--	--	--	8	--	1	1,658	93
Total	134,337	3,100	388,190	202,730	85,063	11,906	2,283	364,817	52,605	405,621	137,652

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biogdiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, May 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	818	--	--	1,144	127	80	-2	2,138	34	0
Hydrocarbon Gas Liquids	60	0	71	36	19	--	14	68	48	56
Natural Gas Liquids	60	0	61	36	19	--	11	68	48	50
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	8	--	34	19	11	--	8	--	18	46
Normal Butane	16	--	25	17	5	--	5	18	28	11
Isobutane	7	--	3	0	3	--	-3	23	0	-9
Natural Gasoline	29	0	--	--	--	--	0	27	1	1
Refinery Olefins	--	--	9	--	--	--	3	--	--	6
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	5	--	--	--	0	--	--	5
Normal Butylene	--	--	4	--	--	--	3	--	--	1
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	26	--	151	352	-45	-7	432	16	44
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	26	--	30	194	22	3	216	10	43
Hydrogen	--	--	--	--	--	40	--	40	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	26	--	30	194	-19	3	176	10	43
Fuel Ethanol	--	9	--	--	172	-19	4	151	7	0
Renewable Fuels Except Fuel Ethanol	--	17	--	30	22	--	-2	25	3	43
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	77	--	--	33	42	1	1
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	44	158	-66	-43	174	5	0
Reformulated	--	0	--	--	67	-8	-41	100	0	0
Conventional	--	0	--	44	91	-58	-2	74	5	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	1	2,719	168	90	85	59	--	239	2,764
Finished Motor Gasoline	--	1	1,504	27	7	85	4	--	46	1,573
Reformulated	--	--	1,047	--	--	3	0	--	--	1,050
Conventional	--	1	458	27	7	82	4	--	46	523
Finished Aviation Gasoline	--	--	2	--	--	--	2	--	--	1
Kerosene-Type Jet Fuel	--	0	317	112	8	--	33	--	14	391
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	0	521	21	50	--	-4	--	49	547
15 ppm sulfur and under	--	0	495	21	50	--	-8	--	43	531
Greater than 15 ppm to 500 ppm sulfur	--	--	15	--	--	--	3	--	1	11
Greater than 500 ppm sulfur	--	--	11	--	--	--	2	--	5	4
Residual Fuel Oil	--	--	74	5	--	--	11	--	8	61
Less than 0.31 percent sulfur	--	--	6	--	--	--	10	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	20	3	--	--	5	--	NA	NA
Greater than 1.00 percent sulfur	--	--	49	2	--	--	-4	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	--	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	21	1	--	--	5	--	16	1
Waxes	--	--	--	0	--	--	--	--	0	0
Petroleum Coke	--	--	130	--	4	--	5	--	106	23
Marketable	--	--	99	--	4	--	5	--	106	-8
Catalyst	--	--	30	--	--	--	--	--	--	30
Asphalt and Road Oil	--	--	29	0	21	--	2	--	1	47
Still Gas	--	--	109	--	--	--	--	--	--	109
Miscellaneous Products	--	--	11	--	--	--	0	--	0	11
Total	878	27	2,789	1,499	588	121	64	2,637	336	2,864

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-May 2021
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	828	--	--	1,032	150	37	19	1,986	43	0
Hydrocarbon Gas Liquids	61	0	38	50	29	--	-5	74	48	62
Natural Gas Liquids	61	0	32	50	29	--	-6	74	48	56
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	8	--	31	33	12	--	-6	--	28	62
Normal Butane	14	--	-1	16	11	--	0	24	19	-2
Isobutane	9	--	2	0	5	--	0	22	0	-6
Natural Gasoline	30	0	--	--	--	--	0	28	1	2
Refinery Olefins	--	--	7	--	--	--	1	--	--	6
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	6	--	--	--	0	--	--	6
Normal Butylene	--	--	1	--	--	--	1	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	20	--	110	302	-14	-1	357	15	48
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	20	--	30	152	43	-3	204	9	35
Hydrogen	--	--	--	--	--	42	--	42	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	20	--	30	152	1	-3	162	9	35
Fuel Ethanol	--	8	--	--	134	1	-4	140	7	0
Renewable Fuels Except Fuel Ethanol	--	11	--	30	18	--	1	22	2	35
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	49	--	--	12	23	1	13
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	32	151	-56	-10	131	5	0
Reformulated	--	0	--	--	64	-6	-17	75	0	0
Conventional	--	0	--	32	87	-50	7	56	5	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	1	2,532	150	82	55	2	--	242	2,576
Finished Motor Gasoline	--	1	1,399	18	6	55	-3	--	50	1,430
Reformulated	--	--	972	--	--	11	0	--	--	983
Conventional	--	1	427	18	6	44	-3	--	50	448
Finished Aviation Gasoline	--	--	1	0	--	--	0	--	--	1
Kerosene-Type Jet Fuel	--	0	287	88	9	--	6	--	13	366
Kerosene	--	--	0	--	--	--	0	--	1	-1
Distillate Fuel Oil	--	0	507	20	48	--	-10	--	56	529
15 ppm sulfur and under	--	0	481	16	48	--	-9	--	46	509
Greater than 15 ppm to 500 ppm sulfur	--	--	15	4	--	--	1	--	5	14
Greater than 500 ppm sulfur	--	--	10	--	--	--	-1	--	5	6
Residual Fuel Oil	--	--	67	19	--	--	6	--	17	63
Less than 0.31 percent sulfur	--	--	3	--	--	--	8	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	20	11	--	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	45	8	--	--	-3	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	--	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	17	1	-2	--	-1	--	12	5
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	119	--	5	--	-1	--	92	32
Marketable	--	--	91	--	5	--	-1	--	92	4
Catalyst	--	--	28	--	--	--	--	--	--	28
Asphalt and Road Oil	--	--	23	2	17	--	4	--	1	37
Still Gas	--	--	99	--	--	--	--	--	--	99
Miscellaneous Products	--	--	11	--	--	--	0	--	0	11
Total	890	21	2,571	1,343	563	79	15	2,416	348	2,686

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, May 2021
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	2,462	51,007	245,271	24,049	25,361	348,149	11,231
Alaskan	--	--	--	--	--	13,743	443
Lower 48 States	--	--	--	--	--	334,406	10,787
Imports (PAD District of Entry)	17,679	76,247	38,544	12,711	35,473	180,654	5,828
Commercial	17,679	76,247	38,544	12,711	35,473	180,654	5,828
Strategic Petroleum Reserve (SPR)	--	--	--	--	--	--	--
Net Receipts	3,398	-18,150	29,267	-18,449	3,934	--	--
Adjustments ¹	-2,105	10,699	11,073	-1,687	2,495	20,474	660
Disposition							
Stock Change ²	-249	94	-18,738	-26	-60	-18,979	-612
Commercial	--	--	-12,895	--	--	-13,136	-424
SPR	--	--	-5,843	--	--	-5,843	-188
Refinery Inputs	21,682	115,634	263,201	16,650	66,275	483,442	15,595
Exports	--	4,074	79,692	--	1,048	84,814	2,736
Ending Stocks							
Total	8,639	133,921	888,328	25,310	47,981	1,104,179	--
Commercial	8,639	133,921	260,743	25,310	47,981	476,594	--
Refinery	6,383	14,121	46,379	2,524	20,340	89,747	--
Tank Farms and Pipelines	2,256	119,800	214,364	22,786	24,283	383,489	--
Cushing, Oklahoma	--	46,048	--	--	--	46,048	--
Lease	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water	--	--	--	--	3,358	3,358	--
SPR	--	--	627,585	--	--	627,585	--
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	--	--	--	--	--	56.8	--
Percent of Total Petroleum Stocks (Percent)	--	--	--	--	--	32.7	--
Days of Total Petroleum Net Imports (Days)	--	--	--	--	--	2,098	--
SPR Receipts Detail							
Receipts	--	--	--	--	--	--	--
Domestic	--	--	--	--	--	--	--
Imports	--	--	--	--	--	--	--
Imported by SPR	--	--	--	--	--	--	--
Imported for SPR by Others	--	--	--	--	--	--	--
Imports							
PAD District of Entry	17,679	76,247	38,544	12,711	35,473	180,654	5,828
PAD District of Processing	18,365	72,559	43,997	9,705	36,028	180,654	5,828

-- = Not Applicable.

-- = No Data Reported.

¹ Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 26. Production of Crude Oil by PAD District and State, May 2021
(Thousand Barrels)

PAD District and State	May 2021		January-May 2021	
	Total	Daily Average	Total	Daily Average
PAD District 1	2,462	79	11,822	78
Florida	122	4	654	4
New York	23	1	113	1
Pennsylvania	564	18	2,840	19
Virginia	0	0	1	0
West Virginia	1,752	57	8,213	54
PAD District 2	51,007	1,645	243,627	1,613
Illinois	584	19	2,857	19
Indiana	125	4	569	4
Kansas	2,332	75	11,245	74
Kentucky	485	16	999	7
Michigan	408	13	1,895	13
Missouri	4	0	17	0
Nebraska	130	4	641	4
North Dakota	32,884	1,061	158,194	1,048
Ohio	1,554	50	8,046	53
Oklahoma	12,405	400	58,681	389
South Dakota	81	3	414	3
Tennessee	15	0	69	0
PAD District 3	245,271	7,912	1,150,160	7,617
Alabama	395	13	1,883	12
Arkansas	363	12	1,689	11
Louisiana	3,000	97	14,532	96
Mississippi	1,144	37	5,611	37
New Mexico	37,889	1,222	170,179	1,127
Texas	146,959	4,741	685,755	4,541
Federal Offshore PAD District 3	55,520	1,791	270,512	1,791
PAD District 4	24,049	776	114,314	757
Colorado	12,637	408	58,429	387
Idaho	2	0	10	0
Montana	1,560	50	7,855	52
Utah	2,777	90	13,544	90
Wyoming	7,073	228	34,476	228
PAD District 5	25,361	818	125,082	828
Alaska	13,743	443	68,179	452
South Alaska	272	9	1,521	10
North Slope	13,472	435	66,658	441
Arizona	1	0	3	0
California	11,221	362	54,965	364
Nevada	14	0	76	1
Federal Offshore PAD District 5	383	12	1,858	12
U.S. Total	348,149	11,231	1,645,005	10,894

— = No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.

Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, May 2021
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	11	18,922	18,933	5,029	11,500	16,854	33,383
Natural Gas Liquids	11	18,922	18,933	5,029	11,500	16,854	33,383
Ethane	—	6,676	6,676	1,869	2,970	7,659	12,498
Propane	4	7,116	7,120	2,010	4,337	5,047	11,394
Normal Butane	7	2,215	2,222	348	1,857	1,660	3,865
Isobutane	—	933	933	506	588	877	1,971
Natural Gasoline	—	1,982	1,982	296	1,748	1,611	3,655

Commodity	Production								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	78,606	4,472	5,570	499	9,048	98,195	16,923	1,860	169,294
Natural Gas Liquids	78,606	4,472	5,570	499	9,048	98,195	16,923	1,860	169,294
Ethane	34,884	2,278	2,195	94	3,395	42,846	5,398	1	67,419
Propane	23,628	1,184	1,816	154	2,937	29,719	5,853	254	54,340
Normal Butane	7,695	-2,497	642	65	1,002	6,907	2,182	484	15,660
Isobutane	4,600	3,177	354	50	596	8,777	1,147	211	13,039
Natural Gasoline	7,799	330	563	136	1,118	9,946	2,343	910	18,836

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	5	287	292	919	170	355	1,444
Natural Gas Liquids	5	287	292	919	170	355	1,444
Ethane	—	—	—	33	3	107	143
Propane	3	142	145	503	65	85	653
Normal Butane	2	52	54	64	46	11	121
Isobutane	—	15	15	193	13	45	251
Natural Gasoline	—	78	78	126	43	107	276

Commodity	Stocks								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	223	298	661	9	1	1,192	218	381	3,527
Natural Gas Liquids	223	298	661	9	1	1,192	218	381	3,527
Ethane	37	13	89	—	—	139	5	—	287
Propane	53	40	107	3	—	203	104	93	1,198
Normal Butane	41	21	79	3	—	144	44	193	556
Isobutane	27	9	39	—	—	75	17	47	405
Natural Gasoline	65	215	347	3	1	631	48	48	1,081

— = No Data Reported.
Note: Refer to Appendix A for Refining District descriptions.
Sources: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, May 2021
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	18,854	2,828	21,682	71,791	15,948	27,895	115,634
Hydrocarbon Gas Liquids	745	—	745	1,053	86	981	2,120
Natural Gas Liquids	745	—	745	1,053	86	981	2,120
Normal Butane	373	—	373	71	2	11	84
Isobutane	124	—	124	813	84	470	1,367
Natural Gasoline	248	—	248	169	—	500	669
Other Liquids	82,521	6,334	88,855	14,054	3,764	3,174	20,992
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	9,731	837	10,568	5,897	1,619	1,947	9,463
Hydrogen	85	9	94	739	271	196	1,206
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	9,646	828	10,474	5,138	1,348	1,751	8,237
Fuel Ethanol	9,457	752	10,209	4,923	1,112	1,677	7,712
Renewable Diesel Fuel ²	189	76	265	215	236	74	525
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	20	—	—	20
Unfinished Oils (net)	952	-232	720	-12	57	208	253
Naphthas and Lighter	-72	-169	-241	-63	5	12	-46
Kerosene and Light Gas Oils	-20	—	-20	77	3	34	114
Heavy Gas Oils	986	-64	922	-139	49	36	-54
Residuum	58	1	59	113	—	126	239
Motor Gasoline Blend.Comp. (MGBC)(net)	71,838	5,729	77,567	8,169	2,088	1,019	11,276
Reformulated - RBOB	15,181	—	15,181	-66	1,352	870	2,156
Conventional	56,657	5,729	62,386	8,235	736	149	9,120
CBOB	40,347	5,745	46,092	7,603	770	246	8,619
GTAB	6,569	—	6,569	—	—	—	—
Other	9,741	-16	9,725	632	-34	-97	501
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input	102,120	9,162	111,282	86,898	19,798	32,050	138,746

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, May 2021
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	22,002	137,558	92,532	7,716	3,393	263,201	16,650	66,275	483,442
Hydrocarbon Gas Liquids	364	4,524	2,913	59	142	8,002	373	2,098	13,338
Natural Gas Liquids	364	4,524	2,913	59	142	8,002	373	2,098	13,338
Normal Butane	125	1,027	329	12	—	1,493	87	544	2,581
Isobutane	196	2,022	1,678	40	142	4,078	149	725	6,443
Natural Gasoline	43	1,475	906	7	—	2,431	137	829	4,314
Other Liquids	9,186	-40,231	-25,947	7,285	-270	-49,977	1,734	13,382	74,986
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	2,220	3,245	1,993	1,144	207	8,809	1,160	6,702	36,702
Hydrogen	99	2,286	1,364	68	37	3,854	168	1,246	6,568
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	2,121	959	629	1,076	170	4,955	992	5,456	30,114
Fuel Ethanol	2,056	864	526	1,033	151	4,630	935	4,689	28,175
Renewable Diesel Fuel ²	65	94	41	43	19	262	28	684	1,764
Other Renewable Fuels	—	1	62	—	—	63	29	83	175
Other Hydrocarbons	—	—	—	—	—	—	—	—	20
Unfinished Oils (net)	-73	-7	8,137	-142	-9	7,906	-483	1,292	9,688
Naphthas and Lighter	304	-6,476	-431	-15	29	-6,589	-237	29	-7,084
Kerosene and Light Gas Oils	-112	-1,981	-713	-30	-4	-2,840	-133	-679	-3,558
Heavy Gas Oils	-139	5,001	5,839	-5	-34	10,662	-89	988	12,429
Residuum	-126	3,449	3,442	-92	—	6,673	-24	954	7,901
Motor Gasoline Blend.Comp. (MGBC)(net)	7,026	-43,469	-36,082	6,283	-468	-66,710	1,057	5,388	28,578
Reformulated - RBOB	5,815	-9,311	-5,876	16	-705	-10,061	—	3,095	10,371
Conventional	1,211	-34,158	-30,206	6,267	237	-56,649	1,057	2,293	18,207
CBOB	1,263	-33,717	-29,348	6,300	215	-55,287	923	869	1,216
GTAB	—	—	—	—	—	—	—	—	6,569
Other	-52	-441	-858	-33	22	-1,362	134	1,424	10,422
Aviation Gasoline Blend. Comp. (net)	13	—	5	—	—	18	—	—	18
Total Input	31,552	101,851	69,498	15,060	3,265	221,226	18,757	81,755	571,766

— = Not Applicable.

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, May 2021
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	908	73	981	4,749	602	837	6,188
Natural Gas Liquids	452	73	525	3,763	478	585	4,826
Ethane	-	-	-	-	-	-	-
Propane	400	25	425	1,540	302	543	2,385
Normal Butane	119	63	182	2,245	239	113	2,597
Isobutane	-67	-15	-82	-22	-63	-71	-156
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	456	-	456	986	124	252	1,362
Ethylene	22	-	22	-	-	-	-
Propylene	386	-	386	918	124	255	1,297
Normal Butylene	21	-	21	68	-	-3	65
Isobutylene	27	-	27	-	-	-	-
Finished Motor Gasoline	92,797	7,462	100,259	51,136	11,139	17,601	79,876
Reformulated	37,137	39	37,176	8,120	1,506	967	10,593
Reformulated Blended with Fuel Ethanol	37,137	39	37,176	8,120	1,506	967	10,593
Reformulated Other	-	-	-	-	-	-	-
Conventional	55,660	7,423	63,083	43,016	9,633	16,634	69,283
Conventional Blended with Fuel Ethanol	56,918	7,471	64,389	40,524	9,339	14,964	64,827
Ed55 and Lower	56,870	7,471	64,341	40,508	9,310	14,869	64,687
Greater than Ed55	48	-	48	16	29	95	140
Conventional Other	-1,258	-48	-1,306	2,492	294	1,670	4,456
Finished Aviation Gasoline	-	-4	-4	-	-	-	-
Kerosene-Type Jet Fuel	1,591	-	1,591	6,072	596	866	7,534
Kerosene	30	-	30	52	-	-	52
Distillate Fuel Oil	4,771	745	5,516	17,516	5,350	10,754	33,620
15 ppm sulfur and under	5,228	711	5,939	17,480	5,323	10,796	33,599
Greater than 15 ppm to 500 ppm sulfur	-22	25	3	-	-	105	105
Greater than 500 ppm sulfur	-435	9	-426	36	27	-147	-84
Residual Fuel Oil	1,292	2	1,294	734	166	134	1,034
Less than 0.31 percent sulfur	-6	1	-5	27	-	-	27
0.31 to 1.00 percent sulfur	1,030	1	1,031	348	60	20	428
Greater than 1.00 percent sulfur	268	-	268	359	106	114	579
Petrochemical Feedstocks	-	-	-	1,031	-	38	1,069
Naphtha for Petro. Feed. Use	-	-	-	650	-	-	650
Other Oils for Petro. Feed. Use	-	-	-	381	-	38	419
Special Naphthas	-	18	18	-52	-	20	-32
Lubricants	139	117	256	-	-	267	267
Waxes	-	-29	-29	-	-	43	43
Petroleum Coke	633	19	652	3,700	883	913	5,496
Marketable	206	-	206	2,712	712	654	4,078
Catalyst	427	19	446	988	171	259	1,418
Asphalt and Road Oil	312	661	973	3,237	1,396	476	5,109
Still Gas	839	57	896	2,535	606	1,133	4,274
Miscellaneous Products	55	46	101	298	115	54	467
Total	103,367	9,167	112,534	91,008	20,853	33,136	144,997
Processing Gain(-) or Loss(+) ¹	-1,247	-5	-1,252	-4,110	-1,055	-1,086	-6,251

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, May 2021
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	1,039	10,651	6,286	74	52	18,102	434	2,187	27,892
Natural Gas Liquids	618	6,091	3,218	43	52	10,022	283	1,897	17,553
Ethane	5	95	84	—	—	184	—	—	184
Propane	285	2,777	2,144	9	35	5,250	215	1,058	9,333
Normal Butane	352	3,379	717	34	17	4,499	97	760	8,135
Isobutane	-24	-160	273	—	—	89	-29	79	-99
Natural Gasoline	—	—	—	—	—	—	—	—	—
Refinery Olefins	421	4,560	3,068	31	—	8,080	151	290	10,339
Ethylene	—	2	—	—	—	2	—	—	24
Propylene	462	4,619	3,060	31	—	8,172	39	151	10,045
Normal Butylene	-41	-8	8	—	—	-41	112	139	296
Isobutylene	—	-53	—	—	—	-53	—	—	-26
Finished Motor Gasoline	20,585	23,534	14,003	9,566	1,484	69,172	9,926	46,635	305,868
Reformulated	7,190	6,338	—	—	—	13,528	—	32,446	93,743
Reformulated Blended with Fuel Ethanol	7,190	6,338	—	—	—	13,528	—	32,446	93,743
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	13,395	17,196	14,003	9,566	1,484	55,644	9,926	14,189	212,125
Conventional Blended with Fuel Ethanol	13,202	2,225	5,223	10,281	1,526	32,457	9,224	14,362	185,259
Ed55 and Lower	13,186	2,225	5,223	10,265	1,525	32,424	9,209	14,358	185,019
Greater than Ed55	16	—	—	16	1	33	15	4	240
Conventional Other	193	14,971	8,780	-715	-42	23,187	702	-173	26,866
Finished Aviation Gasoline	92	91	132	—	—	315	5	75	391
Kerosene-Type Jet Fuel	1,384	10,955	8,085	234	0	20,658	936	9,831	40,550
Kerosene	7	-7	15	4	—	19	—	0	101
Distillate Fuel Oil	6,934	43,407	31,915	2,521	1,581	86,358	5,489	16,137	147,120
15 ppm sulfur and under	6,942	41,957	26,048	2,478	1,581	79,006	5,461	15,338	139,343
Greater than 15 ppm to 500 ppm sulfur	-8	305	2,906	47	—	3,250	43	455	3,856
Greater than 500 ppm sulfur	—	1,145	2,961	-4	—	4,102	-15	344	3,921
Residual Fuel Oil	344	304	732	-4	14	1,390	364	2,301	6,383
Less than 0.31 percent sulfur	254	—	450	—	—	704	190	179	1,095
0.31 to 1.00 percent sulfur	19	410	405	-4	—	830	25	618	2,932
Greater than 1.00 percent sulfur	71	-106	-123	—	14	-144	149	1,504	2,356
Petrochemical Feedstocks	142	5,341	2,984	—	—	8,467	—	—	9,536
Naphtha for Petro. Feed. Use	138	3,615	1,492	—	—	5,245	—	—	5,895
Other Oils for Petro. Feed. Use	4	1,726	1,492	—	—	3,222	—	—	3,641
Special Naphthas	107	850	—	223	—	1,180	—	43	1,209
Lubricants	15	1,713	1,709	967	—	4,404	—	639	5,566
Waxes	—	59	61	21	—	141	—	—	155
Petroleum Coke	433	8,047	5,299	162	26	13,967	576	4,016	24,707
Marketable	198	6,052	4,117	146	—	10,513	380	3,079	18,256
Catalyst	235	1,995	1,182	16	26	3,454	196	937	6,451
Asphalt and Road Oil	227	299	502	1,153	61	2,242	941	896	10,161
Still Gas	931	6,811	3,948	337	72	12,099	606	3,379	21,254
Miscellaneous Products	146	958	460	15	58	1,637	96	329	2,630
Total	32,386	113,013	76,131	15,273	3,348	240,151	19,373	86,468	603,523
Processing Gain(-) or Loss(+) ¹	-834	-11,162	-6,633	-213	-83	-18,925	-616	-4,713	-31,757

— = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, May 2021
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	18,854	2,828	21,682	71,791	15,948	27,895	115,634
Hydrocarbon Gas Liquids	134	-	134	993	84	942	2,019
Natural Gas Liquids	134	-	134	993	84	942	2,019
Normal Butane	10	-	10	12	-	-	12
Isobutane	124	-	124	813	84	470	1,367
Natural Gasoline	-	-	-	168	-	472	640
Other Liquids	-9,108	-197	-9,305	-31,401	-5,213	-11,183	-47,797
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	160	136	296	1,023	488	363	1,874
Hydrogen	85	9	94	739	271	196	1,206
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	75	127	202	264	217	167	648
Fuel Ethanol	75	99	174	176	158	147	481
Renewable Diesel Fuel ²	-	28	28	88	59	20	167
Other Renewable Fuels	-	-	-	-	-	-	-
Other Hydrocarbons	-	-	-	20	-	-	20
Unfinished Oils (net)	952	-232	720	-12	57	208	253
Naphthas and Lighter	-72	-169	-241	-63	5	12	-46
Kerosene and Light Gas Oils	-20	-	-20	77	3	34	114
Heavy Gas Oils	986	-64	922	-139	49	36	-54
Residuum	58	1	59	113	-	126	239
Motor Gasoline Blend.Comp. (MGBC)(net)	-10,220	-101	-10,321	-32,412	-5,758	-11,754	-49,924
Reformulated - RBOB	-7,739	-	-7,739	-7,313	-	-	-7,313
Conventional	-2,481	-101	-2,582	-25,099	-5,758	-11,754	-42,611
CBOB	-2,800	-85	-2,885	-25,728	-5,724	-11,657	-43,109
GTAB	-	-	-	-	-	-	-
Other	319	-16	303	629	-34	-97	498
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input to Refineries	9,880	2,631	12,511	41,383	10,819	17,654	69,856
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	625	92	717	2,316	522	901	3,738
Operable Capacity (daily average)	720	98	818	2,716	547	926	4,188
Operable Utilization Rate (percent) ³	86.9	93.2	87.7	85.3	95.4	97.3	89.3
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	108	15	123	427	81	172	680
Catalytic Cracking	242	15	257	723	140	213	1,076
Catalytic Hydrocracking	47	-	47	196	58	58	312
Delayed and Fluid Coking	32	-	32	305	68	87	460
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.75	1.66	0.87	1.53	1.95	0.62	1.37
API Gravity, Weighted Average (degrees)	37.36	31.99	36.63	33.10	27.77	38.86	33.69
Operable Capacity (daily average)	720	98	818	2,716	547	926	4,188
Operating	720	98	818	2,716	509	926	4,150
Idle	-	-	-	-	38	-	38
Alaskan Crude Oil Receipts	-	-	-	-	-	-	-

See footnotes at end of table.

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, May 2021
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	22,002	137,558	92,532	7,716	3,393	263,201	16,650	66,275	483,442
Hydrocarbon Gas Liquids	359	3,967	2,913	47	142	7,428	363	2,090	12,034
Natural Gas Liquids	359	3,967	2,913	47	142	7,428	363	2,090	12,034
Normal Butane	125	981	329	—	—	1,435	82	536	2,075
Isobutane	196	2,022	1,678	40	142	4,078	148	725	6,442
Natural Gasoline	38	964	906	7	—	1,915	133	829	3,517
Other Liquids	-8,731	-50,450	-29,078	-1,671	-1,694	-91,624	-3,577	-30,693	-182,996
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons	360	2,392	1,674	136	49	4,611	455	1,675	8,911
Hydrogen	99	2,286	1,364	68	37	3,854	168	1,246	6,568
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	261	106	310	68	12	757	287	429	2,323
Fuel Ethanol	223	51	207	55	5	541	250	106	1,552
Renewable Diesel Fuel ²	38	55	41	13	7	154	8	240	597
Other Renewable Fuels	—	—	62	—	—	62	29	83	174
Other Hydrocarbons	—	—	—	—	—	—	—	—	20
Unfinished Oils (net)	-73	65	8,189	-142	-9	8,030	-483	1,292	9,812
Naphthas and Lighter	304	-6,476	-431	-15	29	-6,589	-237	29	-7,084
Kerosene and Light Gas Oils	-112	-1,909	-756	-30	-4	-2,811	-133	-679	-3,529
Heavy Gas Oils	-139	5,001	5,934	-5	-34	10,757	-89	988	12,524
Residuum	-126	3,449	3,442	-92	—	6,673	-24	954	7,901
Motor Gasoline Blend Comp. (MGBC)(net)	-9,031	-52,907	-38,946	-1,665	-1,734	-104,283	-3,549	-33,660	-201,737
Reformulated - RBOB	-849	-15,176	-5,876	—	-705	-22,606	—	-25,433	-63,091
Conventional	-8,182	-37,731	-33,070	-1,665	-1,029	-81,677	-3,549	-8,227	-138,646
CBOB	-8,130	-32,666	-31,151	-1,632	-1,045	-74,624	-3,682	-9,529	-133,829
GTAB	—	—	—	—	—	—	—	—	—
Other	-52	-5,065	-1,919	-33	16	-7,053	133	1,302	-4,817
Aviation Gasoline Blend. Comp. (net)	13	—	5	—	—	18	—	—	18
Total Input to Refineries	13,630	91,075	66,367	6,092	1,841	179,005	13,436	37,672	312,480
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	694	4,648	3,190	215	109	8,856	534	2,284	16,130
Operable Capacity (daily average)	746	5,106	3,531	258	110	9,751	657	2,714	18,128
Operable Utilization Rate (percent) ³	93.0	91.0	90.4	83.3	99.5	90.8	81.3	84.2	89.0
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	161	687	557	40	21	1,466	85	387	2,741
Catalytic Cracking	172	1,352	902	17	28	2,472	138	625	4,569
Catalytic Hydrocracking	47	566	447	17	16	1,093	25	426	1,904
Delayed and Fluid Coking	26	702	499	30	—	1,257	49	389	2,187
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.62	1.38	1.19	1.40	0.83	1.23	1.35	1.14	1.24
API Gravity, Weighted Average (degrees)	39.80	34.65	32.38	31.00	39.57	34.29	33.28	29.28	33.50
Operable Capacity (daily average)	746	5,106	3,531	258	110	9,751	657	2,714	18,128
Operating	746	5,071	3,459	258	110	9,644	580	2,650	17,843
Idle	—	35	72	—	—	107	77	64	285
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	11,138	11,138

— = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

³ Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, May 2021
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	908	73	981	4,749	602	837	6,188
Natural Gas Liquids	452	73	525	3,763	478	585	4,826
Ethane	—	—	—	—	—	—	—
Propane	400	25	425	1,540	302	543	2,385
Normal Butane	119	63	182	2,245	239	113	2,597
Isobutane	-67	-15	-82	-22	-63	-71	-156
Natural Gasoline	—	—	—	—	—	—	—
Refinery Olefins	456	—	456	986	124	252	1,362
Ethylene	22	—	22	—	—	—	—
Propylene	386	—	386	918	124	255	1,297
Normal Butylene	21	—	21	68	—	-3	65
Isobutylene	27	—	27	—	—	—	—
Finished Motor Gasoline	746	972	1,718	5,717	2,337	3,259	11,313
Reformulated	746	—	746	—	—	—	—
Reformulated Blended with Fuel Ethanol	746	—	746	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	972	972	5,717	2,337	3,259	11,313
Conventional Blended with Fuel Ethanol	—	982	982	1,799	1,554	1,485	4,838
Ed55 and Lower	—	982	982	1,799	1,554	1,485	4,838
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	-10	-10	3,918	783	1,774	6,475
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	1,591	—	1,591	6,090	596	866	7,552
Kerosene	30	—	30	52	—	—	52
Distillate Fuel Oil	4,591	700	5,291	17,407	5,173	10,701	33,281
15 ppm sulfur and under	5,040	666	5,706	17,371	5,146	10,743	33,260
Greater than 15 ppm to 500 ppm sulfur	-24	25	1	—	—	13	13
Greater than 500 ppm sulfur	-425	9	-416	36	27	-55	8
Residual Fuel Oil	1,290	2	1,292	734	166	135	1,035
Less than 0.31 percent sulfur	—	1	1	27	—	—	27
0.31 to 1.00 percent sulfur	1,030	1	1,031	348	60	21	429
Greater than 1.00 percent sulfur	260	—	260	359	106	114	579
Petrochemical Feedstocks	—	—	—	1,031	—	38	1,069
Naphtha for Petro. Feed. Use	—	—	—	650	—	—	650
Other Oils for Petro. Feed. Use	—	—	—	381	—	38	419
Special Naphthas	—	18	18	-52	—	20	-32
Lubricants	139	117	256	—	—	267	267
Waxes	—	-29	-29	—	—	43	43
Petroleum Coke	633	19	652	3,700	883	913	5,496
Marketable	206	—	206	2,712	712	654	4,078
Catalyst	427	19	446	988	171	259	1,418
Asphalt and Road Oil	306	661	967	3,237	1,396	475	5,108
Still Gas	839	57	896	2,535	606	1,133	4,274
Miscellaneous Products	55	46	101	298	115	54	467
Total	11,128	2,636	13,764	45,498	11,874	18,741	76,113
Processing Gain(-) or Loss(+) ¹	-1,248	-5	-1,253	-4,115	-1,055	-1,087	-6,257

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, May 2021
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	1,039	10,651	6,286	74	52	18,102	434	2,187	27,892
Natural Gas Liquids	618	6,091	3,218	43	52	10,022	283	1,897	17,553
Ethane	5	95	84	—	—	184	—	—	184
Propane	285	2,777	2,144	9	35	5,250	215	1,058	9,333
Normal Butane	352	3,379	717	34	17	4,499	97	760	8,135
Isobutane	-24	-160	273	—	—	89	-29	79	-99
Natural Gasoline	—	—	—	—	—	—	—	—	—
Refinery Olefins	421	4,560	3,068	31	—	8,080	151	290	10,339
Ethylene	—	2	—	—	—	2	—	—	24
Propylene	462	4,619	3,060	31	—	8,172	39	151	10,045
Normal Butylene	-41	-8	8	—	—	-41	112	139	296
Isobutylene	—	-53	—	—	—	-53	—	—	-26
Finished Motor Gasoline	2,691	12,725	10,820	626	71	26,933	4,629	3,001	47,594
Reformulated	—	—	—	—	—	—	—	611	1,357
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	611	1,357
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	2,691	12,725	10,820	626	71	26,933	4,629	2,390	46,237
Conventional Blended with Fuel Ethanol	2,316	506	2,045	596	61	5,524	2,522	428	14,294
Ed55 and Lower	2,316	506	2,045	596	61	5,524	2,522	428	14,294
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	375	12,219	8,775	30	10	21,409	2,107	1,962	31,943
Finished Aviation Gasoline	92	91	132	—	—	315	5	75	395
Kerosene-Type Jet Fuel	1,384	10,948	8,077	234	—	20,643	867	9,828	40,481
Kerosene	7	—	15	4	—	26	—	-1	107
Distillate Fuel Oil	6,907	43,330	31,927	2,491	1,570	86,225	5,538	15,694	146,029
15 ppm sulfur and under	6,915	41,918	26,056	2,448	1,570	78,907	5,510	14,898	138,281
Greater than 15 ppm to 500 ppm sulfur	-8	305	2,906	47	—	3,250	43	455	3,762
Greater than 500 ppm sulfur	—	1,107	2,965	-4	—	4,068	-15	341	3,986
Residual Fuel Oil	344	414	781	-4	14	1,549	364	2,301	6,541
Less than 0.31 percent sulfur	254	—	434	—	—	688	190	174	1,080
0.31 to 1.00 percent sulfur	19	410	375	-4	—	800	25	618	2,903
Greater than 1.00 percent sulfur	71	4	-28	—	14	61	149	1,509	2,558
Petrochemical Feedstocks	142	5,341	2,984	—	—	8,467	—	—	9,536
Naphtha for Petro. Feed. Use	138	3,615	1,492	—	—	5,245	—	—	5,895
Other Oils for Petro. Feed. Use	4	1,726	1,492	—	—	3,222	—	—	3,641
Special Naphthas	107	850	—	223	—	1,180	—	43	1,209
Lubricants	15	1,713	1,709	967	—	4,404	—	639	5,566
Waxes	—	59	61	21	—	141	—	—	155
Petroleum Coke	433	8,047	5,299	162	26	13,967	576	4,016	24,707
Marketable	198	6,052	4,117	146	—	10,513	380	3,079	18,256
Catalyst	235	1,995	1,182	16	26	3,454	196	937	6,451
Asphalt and Road Oil	227	299	501	1,153	61	2,241	941	896	10,153
Still Gas	931	6,811	3,948	337	72	12,099	606	3,379	21,254
Miscellaneous Products	146	958	460	15	58	1,637	96	329	2,630
Total	14,465	102,237	73,000	6,303	1,924	197,929	14,056	42,387	344,249
Processing Gain(-) or Loss(+) ¹	-835	-11,162	-6,633	-211	-83	-18,924	-620	-4,715	-31,769

— = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 32. Blender Net Inputs of Petroleum Products by PAD District, May 2021
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	611	-	611	60	2	39	101
Natural Gas Liquids	611	-	611	60	2	39	101
Normal Butane	363	-	363	59	2	11	72
Isobutane	-	-	-	-	-	-	-
Natural Gasoline	248	-	248	1	-	28	29
Other Liquids	91,629	6,531	98,160	45,455	8,977	14,357	68,789
Oxygenates/Renewables	9,571	701	10,272	4,874	1,131	1,584	7,589
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE)	--	--	--	--	--	--	--
All Other Oxygenates ¹	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	9,571	701	10,272	4,874	1,131	1,584	7,589
Fuel Ethanol	9,382	653	10,035	4,747	954	1,530	7,231
Renewable Diesel Fuel ²	189	48	237	127	177	54	358
Other Renewable Fuels	-	-	-	-	-	-	-
Unfinished Oils (net)	-	-	-	-	-	-	-
Naphthas and Lighter	-	-	-	-	-	-	-
Kerosene and Light Gas Oils	-	-	-	-	-	-	-
Heavy Gas Oils	-	-	-	-	-	-	-
Residuum	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC)(net)	82,058	5,830	87,888	40,581	7,846	12,773	61,200
Reformulated - RBOB	22,920	-	22,920	7,247	1,352	870	9,469
Conventional	59,138	5,830	64,968	33,334	6,494	11,903	51,731
CBOB	43,147	5,830	48,977	33,331	6,494	11,903	51,728
GTAB	6,569	-	6,569	-	-	-	-
Other	9,422	-	9,422	3	-	-	3
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input	92,240	6,531	98,771	45,515	8,979	14,396	68,890

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	5	557	-	12	-	574	10	8	1,304
Natural Gas Liquids	5	557	-	12	-	574	10	8	1,304
Normal Butane	-	46	-	12	-	58	5	8	506
Isobutane	-	-	-	-	-	-	1	-	1
Natural Gasoline	5	511	-	-	-	516	4	-	797
Other Liquids	17,917	10,219	3,131	8,956	1,424	41,647	5,311	44,075	257,982
Oxygenates/Renewables	1,860	853	319	1,008	158	4,198	705	5,027	27,791
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--
Methyl Tertiary Butyl Ether (MTBE)	--	--	--	--	--	--	--	--	--
All Other Oxygenates ¹	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	1,860	853	319	1,008	158	4,198	705	5,027	27,791
Fuel Ethanol	1,833	813	319	978	146	4,089	685	4,583	26,623
Renewable Diesel Fuel ²	27	39	-	30	12	108	20	444	1,167
Other Renewable Fuels	-	1	-	-	-	1	-	-	1
Unfinished Oils (net)	-	-72	-52	-	-	-124	-	-	-124
Naphthas and Lighter	-	-	-	-	-	-	-	-	-
Kerosene and Light Gas Oils	-	-72	43	-	-	-29	-	-	-29
Heavy Gas Oils	-	-	-95	-	-	-95	-	-	-95
Residuum	-	-	-	-	-	-	-	-	-
Motor Gasoline Blend.Comp. (MGBC)(net)	16,057	9,438	2,864	7,948	1,266	37,573	4,606	39,048	230,315
Reformulated - RBOB	6,664	5,865	-	16	-	12,545	-	28,528	73,462
Conventional	9,393	3,573	2,864	7,932	1,266	25,028	4,606	10,520	156,853
CBOB	9,393	-1,051	1,803	7,932	1,260	19,337	4,605	10,398	135,045
GTAB	-	-	-	-	-	-	-	-	6,569
Other	-	4,624	1,061	-	6	5,691	1	122	15,239
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-	-	-
Total Input	17,922	10,776	3,131	8,968	1,424	42,221	5,321	44,083	259,286

-- = Not Applicable.

- = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

Table 33. Blender Net Production of Petroleum Products by PAD District, May 2021
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline	92,051	6,490	98,541	45,419	8,802	14,342	68,563
Reformulated	36,391	39	36,430	8,120	1,506	967	10,593
Reformulated Blended with Fuel Ethanol	36,391	39	36,430	8,120	1,506	967	10,593
Reformulated Other	-	-	-	-	-	-	-
Conventional	55,660	6,451	62,111	37,299	7,296	13,375	57,970
Conventional Blended with Fuel Ethanol	56,918	6,489	63,407	38,725	7,785	13,479	59,989
Ed55 and Lower	56,870	6,489	63,359	38,709	7,756	13,384	59,849
Greater than Ed55	48	-	48	16	29	95	140
Conventional Other	-1,258	-38	-1,296	-1,426	-489	-104	-2,019
Finished Aviation Gasoline	-	-4	-4	-	-	-	-
Kerosene-Type Jet Fuel	0	-	0	-18	-	0	-18
Kerosene	-	-	-	-	-	-	-
Distillate Fuel Oil	180	45	225	109	177	53	339
15 ppm sulfur and under	188	45	233	109	177	53	339
Greater than 15 ppm to 500 ppm sulfur	2	-	2	-	-	92	92
Greater than 500 ppm sulfur	-10	-	-10	-	-	-92	-92
Residual Fuel Oil	2	-	2	-	-	-1	-1
Less than 0.31 percent sulfur	-6	-	-6	-	-	-	-
0.31 to 1.00 percent sulfur	0	-	0	-	-	-1	-1
Greater than 1.00 percent sulfur	8	-	8	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-
Asphalt and Road Oil	6	-	6	-	-	1	1
Miscellaneous Products	-	-	-	-	-	-	-
Total Production	92,239	6,531	98,770	45,510	8,979	14,395	68,884
Processing Gain(-) or Loss(+) ¹	1	0	1	5	0	1	6

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline	17,894	10,809	3,183	8,940	1,413	42,239	5,297	43,634	258,274
Reformulated	7,190	6,338	-	-	-	13,528	-	31,835	92,386
Reformulated Blended with Fuel Ethanol	7,190	6,338	-	-	-	13,528	-	31,835	92,386
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	10,704	4,471	3,183	8,940	1,413	28,711	5,297	11,799	165,888
Conventional Blended with Fuel Ethanol	10,886	1,719	3,178	9,685	1,465	26,933	6,702	13,934	170,965
Ed55 and Lower	10,870	1,719	3,178	9,669	1,464	26,900	6,687	13,930	170,725
Greater than Ed55	16	-	-	16	1	33	15	4	240
Conventional Other	-182	2,752	5	-745	-52	1,778	-1,405	-2,135	-5,077
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-4
Kerosene-Type Jet Fuel	0	7	8	-	0	15	69	3	69
Kerosene	-	-7	-	-	-	-7	-	1	-6
Distillate Fuel Oil	27	77	-12	30	11	133	-49	443	1,091
15 ppm sulfur and under	27	39	-8	30	11	99	-49	440	1,062
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-	-	-	94
Greater than 500 ppm sulfur	-	38	-4	-	-	34	-	3	-65
Residual Fuel Oil	-	-110	-49	-	-	-159	-	0	-158
Less than 0.31 percent sulfur	-	-	16	-	-	16	-	5	15
0.31 to 1.00 percent sulfur	-	-	30	-	-	30	-	-	29
Greater than 1.00 percent sulfur	-	-110	-95	-	-	-205	-	-5	-202
Special Naphthas	-	-	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	1	-	-	1	-	-	8
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total Production	17,921	10,776	3,131	8,970	1,424	42,222	5,317	44,081	259,274
Processing Gain(-) or Loss(+) ¹	1	0	0	-2	0	-1	4	2	12

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, May 2021
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	5,580	803	6,383	10,592	1,679	1,850	14,121
Petroleum Products	9,397	2,199	11,596	27,884	8,127	10,834	46,845
Hydrocarbon Gas Liquids	469	36	505	2,365	432	804	3,601
Natural Gas Liquids	302	36	338	1,891	418	794	3,103
Ethane	—	—	—	—	—	—	—
Propane	84	9	93	541	39	244	824
Normal Butane	146	9	155	1,053	326	160	1,539
Isobutane	72	18	90	241	53	189	483
Natural Gasoline	—	—	—	56	—	201	257
Refinery Olefins	167	0	167	474	14	10	498
Ethylene	—	—	—	—	—	—	—
Propylene	101	0	101	325	14	10	349
Normal Butylene	44	0	44	149	0	0	149
Isobutylene	22	0	22	0	0	0	0
Oxygenates/Renewable Fuels/Other Hydrocarbons	79	119	198	67	54	29	150
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	79	119	198	59	54	29	142
Fuel Ethanol	79	112	191	41	39	25	105
Renewable Diesel Fuel ²	—	7	7	18	15	4	37
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	8	—	—	8
Unfinished Oils	3,382	495	3,877	7,970	1,244	3,842	13,056
Naphthas and Lighter	681	322	1,003	1,916	191	1,166	3,273
Kerosene and Light Gas Oils	375	—	375	1,696	393	324	2,413
Heavy Gas Oils	1,602	168	1,770	2,939	650	1,470	5,059
Residuum	724	5	729	1,419	10	882	2,311
Motor Gasoline Blending Components (MGBC)	2,964	343	3,307	7,512	1,740	2,815	12,067
Reformulated - RBOB	1,097	—	1,097	838	—	—	838
Conventional	1,867	343	2,210	6,674	1,740	2,815	11,229
CBOB	231	226	457	2,718	943	1,728	5,389
GTAB	—	—	—	—	—	—	—
Other	1,636	117	1,753	3,956	797	1,087	5,840
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	17	17	657	175	255	1,087
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	17	17	657	175	255	1,087
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	17	17	657	175	255	1,087
Finished Aviation Gasoline	—	—	—	—	65	—	65
Kerosene-Type Jet Fuel	476	—	476	1,162	294	283	1,739
Kerosene	99	4	103	70	—	14	84
Distillate Fuel Oil	1,123	232	1,355	3,293	982	1,935	6,210
15 ppm sulfur and under	882	162	1,044	3,145	930	1,637	5,712
Greater than 15 ppm to 500 ppm sulfur	34	53	87	—	1	59	60
Greater than 500 ppm sulfur	207	17	224	148	51	239	438
Residual Fuel Oil	371	15	386	771	356	100	1,227
Less than 0.31 percent sulfur	—	14	14	24	—	—	24
0.31 to 1.00 percent sulfur	142	1	143	206	79	29	314
Greater than 1.00 percent sulfur	229	—	229	541	277	71	889
Petrochemical Feedstocks	—	—	—	521	—	—	521
Naphtha for Petro. Feed. Use	—	—	—	418	—	—	418
Other Oils for Petro. Feed. Use	—	—	—	103	—	—	103
Special Naphthas	—	31	31	83	—	14	97
Lubricants	280	174	454	—	—	243	243
Waxes	—	219	219	—	—	42	42
Petroleum Coke	—	—	—	507	1,149	135	1,791
Marketable	—	—	—	507	1,149	135	1,791
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	139	471	610	2,846	1,618	318	4,782
Miscellaneous Products	15	43	58	60	18	5	83
Total Stocks, All Oils	14,977	3,002	17,979	38,476	9,806	12,684	60,966

See footnotes at end of table.

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, May 2021
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	2,340	24,869	17,692	1,181	297	46,379	2,524	20,340	89,747
Petroleum Products	10,259	59,240	44,593	4,010	1,138	119,240	11,264	46,761	235,706
Hydrocarbon Gas Liquids	2,735	2,108	1,501	13	66	6,423	446	1,599	12,574
Natural Gas Liquids	2,158	1,951	1,190	12	66	5,377	295	1,480	10,593
Ethane	13	—	—	—	—	13	—	—	13
Propane	221	484	111	3	3	822	36	108	1,883
Normal Butane	1,284	1,211	465	6	36	3,002	153	1,001	5,850
Isobutane	467	210	339	3	9	1,028	94	369	2,064
Natural Gasoline	173	46	275	—	18	512	12	2	783
Refinery Olefins	577	157	311	1	0	1,046	151	119	1,981
Ethylene	0	—	—	—	—	0	—	—	0
Propylene	484	49	111	1	0	645	3	8	1,106
Normal Butylene	93	107	167	0	0	367	148	111	819
Isobutylene	0	1	33	0	0	34	0	0	56
Oxygenates/Renewable Fuels/Other Hydrocarbons	44	76	135	67	4	326	133	580	1,387
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	44	76	135	67	4	326	133	580	1,379
Fuel Ethanol	29	43	79	40	2	193	123	164	776
Renewable Diesel Fuel ²	15	33	56	27	2	133	10	388	575
Other Renewable Fuels	—	—	—	—	—	—	—	28	28
Other Hydrocarbons	—	—	—	—	—	—	—	—	8
Unfinished Oils	2,406	23,172	15,722	1,081	544	42,925	3,830	17,886	81,574
Naphthas and Lighter	927	6,341	2,309	291	201	10,069	1,039	2,824	18,208
Kerosene and Light Gas Oils	425	3,972	2,376	255	112	7,140	699	3,367	13,994
Heavy Gas Oils	616	11,019	7,859	469	231	20,194	1,552	9,202	37,777
Residuum	438	1,840	3,178	66	—	5,522	540	2,493	11,595
Motor Gasoline Blending Components (MGBC)	2,523	12,628	11,130	393	231	26,905	2,939	12,871	58,089
Reformulated - RBOB	128	1,342	474	—	15	1,959	—	4,154	8,048
Conventional	2,395	11,286	10,656	393	216	24,946	2,939	8,717	50,041
CBOB	1,377	3,282	5,223	305	46	10,233	1,737	2,546	20,362
GTAB	—	—	—	—	—	—	—	—	—
Other	1,018	8,004	5,433	88	170	14,713	1,202	6,171	29,679
Aviation Gasoline Blending Components	12	—	9	—	—	21	—	—	21
Finished Motor Gasoline	87	1,667	1,765	34	—	3,553	784	909	6,350
Reformulated	—	—	—	—	—	—	—	18	18
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	18	18
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	87	1,667	1,765	34	—	3,553	784	891	6,332
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	63	—	63
Ed55 and Lower	—	—	—	—	—	—	63	—	63
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	87	1,667	1,765	34	—	3,553	721	891	6,269
Finished Aviation Gasoline	35	130	136	—	—	301	9	203	578
Kerosene-Type Jet Fuel	359	3,359	1,605	123	—	5,446	308	3,360	11,329
Kerosene	30	—	102	5	—	137	1	1	326
Distillate Fuel Oil	1,112	7,864	6,820	458	93	16,347	1,612	4,766	30,290
15 ppm sulfur and under	1,096	7,023	4,736	291	93	13,239	1,466	4,158	25,619
Greater than 15 ppm to 500 ppm sulfur	16	88	812	33	—	949	107	274	1,477
Greater than 500 ppm sulfur	—	753	1,272	134	—	2,159	39	334	3,194
Residual Fuel Oil	154	1,671	1,169	13	72	3,079	207	1,989	6,888
Less than 0.31 percent sulfur	21	—	41	—	—	62	29	30	159
0.31 to 1.00 percent sulfur	62	241	251	13	—	567	4	261	1,289
Greater than 1.00 percent sulfur	71	1,430	877	—	72	2,450	174	1,698	5,440
Petrochemical Feedstocks	110	1,595	929	3	—	2,637	—	2	3,160
Naphtha for Petro. Feed. Use	36	1,000	891	3	—	1,930	—	2	2,350
Other Oils for Petro. Feed. Use	74	595	38	—	—	707	—	—	810
Special Naphthas	87	665	—	95	—	847	—	31	1,006
Lubricants	39	1,611	1,666	674	—	3,990	—	556	5,243
Waxes	—	55	136	72	—	263	—	—	524
Petroleum Coke	42	2,153	1,217	—	—	3,412	225	1,097	6,525
Marketable	42	2,153	1,217	—	—	3,412	225	1,097	6,525
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	467	202	464	978	104	2,215	760	818	9,185
Miscellaneous Products	17	284	87	1	24	413	10	93	657
Total Stocks, All Oils	12,599	84,109	62,285	5,191	1,435	165,619	13,788	67,101	325,453

— = Not Applicable.

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, May 2021

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	4.6	2.8	4.4	6.6	3.7	3.0	5.3
Finished Motor Gasoline ¹	54.1	37.4	52.2	51.0	48.3	49.2	50.2
Finished Aviation Gasoline ²	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	8.0	—	7.1	8.4	3.7	3.1	6.5
Kerosene	0.2	—	0.1	0.1	—	—	0.0
Distillate Fuel Oil ³	23.1	25.8	23.4	23.9	31.4	37.7	28.3
Residual Fuel Oil	6.5	0.1	5.7	1.0	1.0	0.5	0.9
Naphtha for Petro. Feed. Use	—	—	—	0.9	—	—	0.6
Other Oils for Petro. Feed. Use	—	—	—	0.5	—	0.1	0.4
Special Naphthas	—	0.7	0.1	-0.1	—	0.1	0.0
Lubricants	0.7	4.5	1.1	—	—	0.9	0.2
Waxes	—	-1.1	-0.1	—	—	0.2	0.0
Petroleum Coke	3.2	0.7	2.9	5.1	5.4	3.2	4.7
Asphalt and Road Oil	1.5	25.4	4.3	4.5	8.6	1.7	4.4
Still Gas	4.2	2.2	4.0	3.5	3.7	4.0	3.7
Miscellaneous Products	0.3	1.8	0.5	0.4	0.7	0.2	0.4
Processing Gain(-) or Loss(+) ⁴	-6.3	-0.2	-5.6	-5.7	-6.5	-3.8	-5.3

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	4.7	7.6	6.2	1.0	1.5	6.6	2.7	3.2	5.6
Finished Motor Gasoline ¹	50.6	44.0	45.7	28.6	48.5	44.8	46.3	50.1	47.2
Finished Aviation Gasoline ²	0.4	0.1	0.1	—	—	0.1	0.0	0.1	0.1
Kerosene-Type Jet Fuel	6.3	7.8	7.9	3.1	—	7.5	5.3	14.3	8.1
Kerosene	0.0	—	0.0	0.1	—	0.0	—	0.0	0.0
Distillate Fuel Oil ³	31.2	30.9	31.2	32.4	45.7	31.3	33.7	22.3	29.1
Residual Fuel Oil	1.6	0.3	0.8	-0.1	0.4	0.6	2.2	3.3	1.3
Naphtha for Petro. Feed. Use	0.6	2.6	1.5	—	—	1.9	—	—	1.2
Other Oils for Petro. Feed. Use	0.0	1.2	1.5	—	—	1.2	—	—	0.7
Special Naphthas	0.5	0.6	—	2.9	—	0.4	—	0.1	0.2
Lubricants	0.1	1.2	1.7	12.7	—	1.6	—	0.9	1.1
Waxes	—	0.0	0.1	0.3	—	0.1	—	—	0.0
Petroleum Coke	2.0	5.8	5.2	2.1	0.8	5.1	3.5	5.8	4.9
Asphalt and Road Oil	1.0	0.2	0.5	15.1	1.8	0.8	5.8	1.3	2.0
Still Gas	4.2	4.9	3.9	4.4	2.1	4.4	3.7	4.9	4.3
Miscellaneous Products	0.7	0.7	0.5	0.0	2.0	0.6	0.6	0.5	0.5
Processing Gain(-) or Loss(+) ⁴	-3.8	-8.0	-6.5	-2.8	-2.4	-6.9	-3.8	-6.9	-6.4

— = No Data Reported.

¹ Based on net production of finished motor gasoline minus input of natural gas plant liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components.

² Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

³ Based on distillate fuel oil net production minus input of biodiesel, "other" renewable diesel fuels, and "other" renewable fuels.

⁴ Represents the arithmetic difference between input and production.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Calculated from data on Tables 30 and 31.

Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, May 2021
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil		
	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
PAD District 1	458	659	1,117
Connecticut	—	—	—
Delaware	—	—	—
Florida	—	—	—
Georgia	—	—	—
Maine	—	240	240
Maryland	—	—	—
Massachusetts	—	—	—
New Hampshire	—	—	—
New Jersey	458	419	877
New York	—	—	—
North Carolina	—	—	—
Pennsylvania	—	—	—
Rhode Island	—	—	—
South Carolina	—	—	—
Vermont	—	—	—
Virginia	—	—	—
West Virginia	—	—	—
PAD District 2	9	13	22
Illinois	—	—	—
Indiana	—	—	—
Michigan	—	13	13
Minnesota	2	—	2
North Dakota	7	—	7
Ohio	—	—	—
Wisconsin	—	—	—
PAD District 3	—	3,283	3,283
Alabama	—	—	—
Louisiana	—	866	866
Mississippi	—	771	771
New Mexico	—	—	—
Texas	—	1,646	1,646
PAD District 4	—	—	—
Idaho	—	—	—
Montana	—	—	—
PAD District 5	82	76	158
Alaska	—	—	—
California	—	76	76
Hawaii	—	—	—
Oregon	—	—	—
Washington	82	—	82
U.S. Total	549	4,031	4,580

— = No Data Reported.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 37. Imports of Crude Oil and Petroleum Products by PAD District, May 2021
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	18,365	72,559	43,997	9,705	36,028	180,654	5,828
Hydrocarbon Gas Liquids	797	1,714	—	265	1,109	3,885	125
Natural Gas Liquids	518	1,472	—	265	1,109	3,364	109
Ethane	—	—	—	—	—	—	—
Propane	471	930	—	229	588	2,218	72
Normal Butane	36	379	—	35	520	970	31
Isobutane	11	154	—	1	1	167	5
Natural Gasoline	—	9	—	—	—	9	0
Refinery Olefins	279	242	—	—	—	521	17
Ethylene	—	—	—	—	—	—	—
Propylene	279	165	—	—	—	444	14
Normal Butylene	—	77	—	—	—	77	2
Isobutylene	—	—	—	—	—	—	—
Other Liquids	24,398	411	20,618	67	4,686	50,180	1,619
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	116	94	—	45	931	1,186	38
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates ³	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	116	94	—	45	931	1,186	38
Fuel Ethanol	—	—	—	—	—	—	—
Biodiesel	116	94	—	45	61	316	10
Other Renewable Diesel Fuel	—	—	—	—	870	870	28
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils ¹	1,433	—	16,469	—	2,384	20,286	654
Naphthas and Lighter	123	—	—	—	—	123	4
Kerosene and Lighter Gas Oils	—	—	1	—	—	1	0
Heavy Gas Oils	1,310	—	6,842	—	2,064	10,216	330
Residuum	—	—	9,626	—	320	9,946	321
Motor Gasoline Blend Comp. (MGBC)	22,849	317	4,149	22	1,371	28,708	926
Reformulated - RBOB	7,033	—	—	—	—	7,033	227
Conventional	15,816	317	4,149	22	1,371	21,675	699
CBOB	991	—	66	—	250	1,307	42
GTAB	4,946	—	—	—	—	4,946	160
Other	9,879	317	4,083	22	1,121	15,422	497
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	16,382	1,628	7,333	385	5,199	30,927	998
Finished Motor Gasoline	5,073	100	—	—	828	6,001	194
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	5,073	100	—	—	828	6,001	194
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	5,073	100	—	—	828	6,001	194
Finished Aviation Gasoline	1	5	—	—	—	6	0
Kerosene-Type Jet Fuel	2,214	37	—	226	3,472	5,949	192
Bonded Aircraft Fuel	—	—	—	—	358	358	12
Other	2,214	37	—	226	3,114	5,591	180
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	6,741	139	711	81	652	8,324	269
15 ppm sulfur and under	6,741	135	711	81	652	8,320	268
Bonded	145	—	—	—	—	145	5
Other	6,596	135	711	81	652	8,175	264
Greater than 15 ppm to 500 ppm sulfur	—	3	—	—	—	3	0
Bonded	—	—	—	—	—	—	—
Other	—	3	—	—	—	3	0
Greater than 500 ppm to 2000 ppm sulfur	—	1	—	—	—	1	0
Bonded	—	—	—	—	—	—	—
Other	—	1	—	—	—	1	0
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	1,117	22	3,283	—	158	4,580	148
Less than 0.31 percent sulfur	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	458	9	—	—	82	549	18
Greater than 1.00 percent sulfur	659	13	3,283	—	76	4,031	130
Petrochemical Feedstocks	8	155	598	—	32	793	26
Naphtha for Petro. Feed. Use	8	86	528	—	32	654	21
Other Oils for Petro. Feed. Use	—	69	70	—	—	139	4
Special Naphthas	4	7	540	—	—	551	18
Lubricants	171	250	1,422	—	43	1,886	61
Waxes	87	20	48	—	13	168	5
Petroleum Coke (Marketable)	—	14	731	—	—	745	24
Asphalt and Road Oil	966	879	—	77	1	1,923	62
Miscellaneous Products	—	—	—	1	—	1	0
Total	59,942	76,312	71,948	10,422	47,022	265,646	8,569

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-May 2021
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	80,805	378,706	208,260	44,707	157,923	870,401	5,764
Hydrocarbon Gas Liquids	7,331	12,725	32	2,324	7,514	29,926	198
Natural Gas Liquids	5,909	11,512	—	2,324	7,514	27,259	181
Ethane	—	—	—	—	—	—	—
Propane	5,362	8,398	—	1,884	5,055	20,699	137
Normal Butane	378	2,317	—	392	2,458	5,545	37
Isobutane	169	766	—	48	1	984	7
Natural Gasoline	—	31	—	—	—	31	0
Refinery Olefins	1,422	1,213	32	—	—	2,667	18
Ethylene	—	—	—	—	—	—	—
Propylene	1,422	886	—	—	—	2,308	15
Normal Butylene	—	307	32	—	—	339	2
Isobutylene	—	20	—	—	—	20	0
Other Liquids	97,837	1,903	78,640	461	16,670	195,511	1,295
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	764	349	133	230	4,509	5,985	40
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates ³	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	764	349	104	230	4,509	5,956	39
Fuel Ethanol	—	—	—	—	—	—	—
Biodiesel	764	349	54	230	271	1,668	11
Other Renewable Diesel Fuel	—	—	50	—	4,238	4,288	28
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	29	—	—	29	0
Unfinished Oils ¹	8,724	—	64,375	25	7,367	80,491	533
Naphthas and Lighter	2,045	—	104	—	346	2,495	17
Kerosene and Lighter Gas Oils	—	—	39	25	122	186	1
Heavy Gas Oils	6,679	—	24,032	—	6,579	37,290	247
Residuum	—	—	40,200	—	320	40,520	268
Motor Gasoline Blend Comp. (MGBC)	88,349	1,554	14,132	206	4,794	109,035	722
Reformulated - RBOB	30,232	—	—	—	—	30,232	200
Conventional	58,117	1,554	14,132	206	4,794	78,803	522
CBOB	3,756	—	66	—	521	4,343	29
GTAB	17,759	153	617	—	157	18,686	124
Other	36,602	1,401	13,449	206	4,116	55,774	369
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	75,439	6,965	27,762	1,377	22,724	134,267	889
Finished Motor Gasoline	13,950	100	1,191	—	2,654	17,895	119
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	13,950	100	1,191	—	2,654	17,895	119
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	13,950	100	1,191	—	2,654	17,895	119
Finished Aviation Gasoline	18	20	102	27	8	175	1
Kerosene-Type Jet Fuel	6,448	37	—	290	13,311	20,086	133
Bonded Aircraft Fuel	119	—	—	—	1,516	1,635	11
Other	6,329	37	—	290	11,795	18,451	122
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	43,770	836	1,486	782	3,030	49,904	330
15 ppm sulfur and under	43,770	826	1,086	782	2,402	48,866	324
Bonded	145	—	—	—	—	145	1
Other	43,625	826	1,086	782	2,402	48,721	323
Greater than 15 ppm to 500 ppm sulfur	—	6	—	—	628	634	4
Bonded	—	—	—	—	—	—	—
Other	—	6	—	—	628	634	4
Greater than 500 ppm to 2000 ppm sulfur	—	4	400	—	—	404	3
Bonded	—	—	—	—	—	—	—
Other	—	4	400	—	—	404	3
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	6,380	897	14,301	—	2,938	24,516	162
Less than 0.31 percent sulfur	200	—	1,356	—	—	1,556	10
0.31 to 1.00 percent sulfur	2,357	176	560	—	1,674	4,767	32
Greater than 1.00 percent sulfur	3,823	721	12,385	—	1,264	18,193	120
Petrochemical Feedstocks	347	724	1,737	—	120	2,928	19
Naphtha for Petro. Feed. Use	337	391	1,522	—	120	2,370	16
Other Oils for Petro. Feed. Use	10	333	215	—	—	558	4
Special Naphthas	16	38	1,658	—	—	1,712	11
Lubricants	692	1,096	5,159	—	157	7,104	47
Waxes	511	92	266	—	131	1,000	7
Petroleum Coke (Marketable)	7	143	1,764	—	—	1,914	13
Asphalt and Road Oil	3,300	2,982	98	273	375	7,028	47
Miscellaneous Products	—	—	—	5	—	5	0
Total	261,412	400,299	314,694	48,869	204,831	1,230,105	8,146

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, May 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	21,262	-	-	1,919	-	144	144	-	2,456	2,456
Algeria	205	-	-	385	-	-	-	-	-	-
Angola	1,296	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	5,011	-	-	522	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	3,622	-	-	27	-	-	-	-	-	-
Nigeria	3,224	-	-	-	-	17	17	-	582	582
Saudi Arabia	7,904	-	-	985	-	127	127	-	1,874	1,874
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	159,392	3,364	521	18,367	-	5,857	5,857	7,033	19,219	26,252
Argentina	475	-	-	-	-	-	-	-	140	140
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	34	-	-	-	310	328	638
Brazil	956	-	-	-	-	128	128	-	1,628	1,628
Brunei	923	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	109,857	3,364	521	43	-	647	647	3,064	1,196	4,260
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	6,388	-	-	-	-	-	-	-	3	3
Denmark	-	-	-	-	-	-	-	32	-	32
Ecuador	5,621	-	-	431	-	-	-	-	-	-
Egypt	-	-	-	1,501	-	-	-	-	-	-
Estonia	-	-	-	126	-	-	-	-	-	-
Finland	-	-	-	-	-	14	14	-	64	64
France	-	-	-	-	-	-	-	362	597	959
Germany	-	-	-	73	-	79	79	-	44	44
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	373	373	-	2,571	2,571
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	332	-	10	10	6	1,098	1,104
Korea, South	-	-	-	1	-	643	643	-	1,292	1,292
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	18,591	-	-	1,267	-	-	-	-	-	-
Netherlands	-	-	-	-	-	623	623	1,132	2,532	3,664
Norway	1,713	-	-	209	-	20	20	904	191	1,095
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	18	18	534	427	961
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	8,598	-	-	12,283	-	1,238	1,238	92	2,043	2,135
Spain	-	-	-	-	-	281	281	26	1,334	1,360
Sweden	-	-	-	20	-	-	-	148	448	596
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	1,099	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	469	-	462	462	393	1,319	1,712
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	401	-	243	243	-	873	873
Yemen	-	-	-	-	-	-	-	-	-	-
Other	5,171	0	0	1,177	-	1,078	1,078	30	1,091	1,121
Total	180,654	3,364	521	20,286	-	6,001	6,001	7,033	21,675	28,708
Persian Gulf³	12,915	-	-	1,507	-	127	127	-	1,874	1,874

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, May 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	1,046	-	-	-	1,046
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	811	-	-	-	811
United Arab Emirates	--	--	-	-	-	-	235	-	-	-	235
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	316	870	-	7,274	3	1	-	7,278
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	767	-	-	-	767
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	280	-	-	3,094	3	1	-	3,098
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	880	-	-	-	880
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	204	-	-	-	204
France	--	--	-	-	-	-	265	-	-	-	265
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	10	-	-	-	10
Indonesia	--	--	-	-	-	-	5	-	-	-	5
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	36	-	-	320	-	-	-	320
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	295	-	-	-	295
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	4	-	-	-	4
Portugal	--	--	-	-	-	-	258	-	-	-	258
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	867	-	-	-	867
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	305	-	-	-	305
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	870	-	0	0	0	-	0
Total	--	--	-	316	870	-	8,320	3	1	-	8,324
Persian Gulf³	--	--	-	-	-	-	1,046	-	-	-	1,046

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, May 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	1,022	44	—	60	—	60
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	60	—	60
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	425	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	201	44	—	—	—	—
United Arab Emirates	—	—	—	396	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	6	—	4,927	507	—	489	4,031	4,520
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	39	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	6	—	439	93	—	91	410	501
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	303	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	22	22
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	39	39
Egypt	—	—	—	—	—	—	—	11	11
Estonia	—	—	—	—	—	—	45	—	45
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	309	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	547	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	34	—	—	—	—	—
Korea, South	—	—	—	3,194	128	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	36	—	—	2,459	2,459
Netherlands	—	—	—	—	—	—	—	188	188
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	353	695	1,048
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	101	211	—	0	207	207
Total	—	6	—	5,949	551	—	549	4,031	4,580
Persian Gulf⁶	—	—	—	1,022	44	—	—	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, May 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	294	—	139	—	7,124	28,386	686	230	916
Algeria	—	—	—	—	—	—	—	385	590	7	12	19
Angola	—	—	—	—	—	—	—	—	1,296	42	—	42
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	60	60	—	2	2
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	522	5,533	162	17	178
Kuwait	—	—	—	—	—	—	—	425	425	—	14	14
Libya	—	—	—	—	—	—	—	27	3,649	117	1	118
Nigeria	—	—	—	—	—	—	—	599	3,823	104	19	123
Saudi Arabia	—	—	—	294	—	—	—	4,336	12,240	255	140	395
United Arab Emirates	—	—	—	—	—	139	—	770	770	—	25	25
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	654	139	168	451	1,923	1,747	1	77,868	237,260	5,142	2,512	7,654
Argentina	—	—	—	227	—	2	—	369	844	15	12	27
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	207	—	207	207	—	7	7
Belgium	—	—	—	—	—	—	—	1,439	1,439	—	46	46
Brazil	—	—	—	210	—	—	—	2,005	2,961	31	65	96
Brunei	—	—	—	—	—	—	—	—	923	30	—	30
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	94	84	89	14	1,923	438	1	15,895	125,752	3,544	513	4,057
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	13	—	—	—	—	316	316	—	10	10
Colombia	—	—	—	—	—	—	—	905	7,293	206	29	235
Denmark	—	—	—	—	—	—	—	32	32	—	1	1
Ecuador	—	—	—	—	—	—	—	470	6,091	181	15	196
Egypt	—	—	—	—	—	—	—	1,512	1,512	—	49	49
Estonia	—	—	—	—	—	—	—	171	171	—	6	6
Finland	—	—	—	—	—	—	—	282	282	—	9	9
France	—	55	—	—	—	7	—	1,595	1,595	—	51	51
Germany	—	—	—	—	—	10	—	206	206	—	7	7
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	3,501	3,501	—	113	113
Indonesia	—	—	—	—	—	153	—	158	158	—	5	5
Italy	—	—	24	—	—	7	—	1,511	1,511	—	49	49
Korea, South	47	—	—	—	—	401	—	6,062	6,062	—	196	196
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	18	—	—	—	—	18	18	—	1	1
Mexico	203	—	—	—	—	—	—	3,965	22,556	600	128	728
Netherlands	—	—	—	—	—	15	—	4,785	4,785	—	154	154
Norway	—	—	—	—	—	—	—	1,324	3,037	55	43	98
Oman	—	—	—	—	—	—	—	4	4	—	0	0
Portugal	—	—	—	—	—	—	—	1,237	1,237	—	40	40
Qatar	—	—	—	—	—	504	—	504	504	—	16	16
Russia	—	—	—	—	—	2	—	17,573	26,171	277	567	844
Spain	—	—	1	—	—	—	—	1,642	1,642	—	53	53
Sweden	—	—	—	—	—	—	—	616	616	—	20	20
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	1,099	35	—	35
United Kingdom	75	—	—	—	—	—	—	2,718	2,718	—	88	88
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	1,822	1,822	—	59	59
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	235	0	23	0	0	1	0	5,024	10,195	168	160	328
Total	654	139	168	745	1,923	1,886	1	84,992	265,646	5,828	2,742	8,569
Persian Gulf³	—	—	—	294	—	850	—	6,764	19,679	417	218	635

— = Not Applicable.

1 = No Data Reported.

2 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

3 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

4 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-May 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	101,118	165	-	3,662	-	297	297	-	5,055	5,055
Algeria	5,317	-	-	385	-	-	-	-	326	326
Angola	4,861	-	-	-	-	-	-	-	647	647
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	165	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	6	6
Iran	1,033	-	-	-	-	-	-	-	-	-
Iraq	20,595	-	-	1,050	-	-	-	-	-	-
Kuwait	2,498	-	-	-	-	-	-	-	-	-
Libya	12,330	-	-	96	-	-	-	-	-	-
Nigeria	14,623	-	-	101	-	17	17	-	1,609	1,609
Saudi Arabia	39,861	-	-	2,030	-	280	280	-	2,100	2,100
United Arab Emirates	-	-	-	-	-	-	-	-	367	367
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	769,283	27,094	2,667	76,829	-	17,598	17,598	30,232	73,748	103,980
Argentina	2,489	55	-	12	-	-	-	-	536	536
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	158	-	277	277	865	2,875	3,740
Brazil	7,696	-	-	-	-	492	492	-	4,254	4,254
Brunei	2,918	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	552,978	26,784	2,635	618	-	3,172	3,172	16,573	6,438	23,011
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	28,866	-	-	-	-	-	-	-	3	3
Denmark	-	-	-	-	-	64	64	121	68	189
Ecuador	24,957	-	-	1,290	-	-	-	-	-	-
Egypt	-	-	-	5,024	-	-	-	-	-	-
Estonia	-	-	-	126	-	-	-	-	-	-
Finland	-	-	-	104	-	178	178	-	4,266	4,266
France	-	-	-	-	-	159	159	1,885	2,385	4,270
Germany	-	-	-	84	-	127	127	-	203	203
Guatemala	282	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	745	745	-	8,158	8,158
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	687	-	777	777	23	4,248	4,271
Korea, South	-	2	-	84	-	1,225	1,225	-	3,309	3,309
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	263	263	-	24	24
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	85,891	-	32	6,207	-	-	-	-	-	-
Netherlands	-	-	-	230	-	3,018	3,018	5,152	7,871	13,023
Norway	6,721	253	-	916	-	161	161	1,465	556	2,021
Oman	-	-	-	-	-	-	-	-	33	33
Portugal	-	-	-	-	-	151	151	1,354	3,475	4,829
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	24,869	-	-	56,551	-	2,850	2,850	208	7,798	8,006
Spain	-	-	-	-	-	593	593	57	4,064	4,121
Sweden	-	-	-	48	-	165	165	175	2,123	2,298
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	5,809	-	-	-	-	-	-	-	-	-
United Kingdom	4,932	-	-	469	-	675	675	2,293	3,284	5,577
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	1,871	-	323	323	-	1,731	1,731
Yemen	-	-	-	-	-	-	-	-	-	-
Other	20,875	0	0	2,350	-	2,183	2,183	61	6,046	6,107
Total	870,401	27,259	2,667	80,491	-	17,895	17,895	30,232	78,803	109,035
Persian Gulf³	63,987	-	-	3,080	-	280	280	-	2,467	2,467

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-May 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	5,673	-	-	-	5,673
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	24	-	-	-	24
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	1,514	-	-	-	1,514
Saudi Arabia	--	--	-	-	-	-	2,926	-	-	-	2,926
United Arab Emirates	--	--	-	-	-	-	1,209	-	-	-	1,209
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	1,668	4,288	-	43,193	634	404	-	44,231
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	308	-	-	-	308
Belgium	--	--	-	-	-	-	1,554	-	-	-	1,554
Brazil	--	--	-	-	-	-	41	-	-	-	41
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	1,180	-	-	21,066	6	4	-	21,076
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	3,533	-	-	-	3,533
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	204	-	-	-	204
France	--	--	-	-	-	-	265	-	-	-	265
Germany	--	--	-	283	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	3,474	-	-	-	3,474
Indonesia	--	--	-	-	-	-	141	-	-	-	141
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	151	-	-	833	628	-	-	1,461
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	71	-	-	-	71
Netherlands	--	--	-	-	-	-	3,815	-	-	-	3,815
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	1,579	-	-	-	1,579
Portugal	--	--	-	-	-	-	258	-	-	-	258
Qatar	--	--	-	-	-	-	1,175	-	-	-	1,175
Russia	--	--	-	-	-	-	4,096	-	-	-	4,096
Spain	--	--	-	54	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	97	-	-	-	97
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	683	-	400	-	1,083
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	4,288	-	0	0	0	-	0
Total	--	--	-	1,668	4,288	-	48,866	634	404	-	49,904
Persian Gulf³	--	--	-	-	-	-	5,618	-	-	-	5,618

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-May 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			Total
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	
OPEC	—	—	—	2,806	122	—	134	—	134
Algeria	—	—	—	742	—	—	37	—	37
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	97	—	97
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	560	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	201	122	—	—	—	—
United Arab Emirates	—	—	—	1,303	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	175	—	17,280	1,590	1,556	4,633	18,193	24,382
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	101	366	467
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	106	—	151	110	261
Brunei	—	—	—	313	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	60	—	1,638	301	582	932	1,271	2,785
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	303	—	—	—	—	—
Colombia	—	—	—	124	—	—	—	469	469
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	608	608
Egypt	—	—	—	—	—	—	—	570	570
Estonia	—	48	—	—	—	—	192	—	192
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	309	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	1,219	89	—	—	532	532
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	558	—	—	—	—	—
Korea, South	—	—	—	11,980	645	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	36	—	72	8,706	8,778
Netherlands	—	67	—	—	—	—	207	226	433
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	599	1,751	3,549	5,899
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	426	—	375	923	21	1,319
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	410	413	0	304	1,765	2,069
Total	—	175	—	20,086	1,712	1,556	4,767	18,193	24,516
Persian Gulf[§]	—	—	—	2,064	122	—	—	—	—

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-May 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	50	—	—	451	—	744	—	19,159	120,277	670	127	797
Algeria	—	—	—	—	—	—	—	1,490	6,807	35	10	45
Angola	—	—	—	—	—	—	—	647	5,508	32	4	36
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	165	165	—	1	1
Gabon	—	—	—	—	—	—	—	127	127	—	1	1
Iran	—	—	—	—	—	—	—	—	1,033	7	—	7
Iraq	—	—	—	—	—	—	—	1,050	21,645	136	7	143
Kuwait	—	—	—	157	—	—	—	717	3,215	17	5	21
Libya	—	—	—	—	—	—	—	96	12,426	82	1	82
Nigeria	50	—	—	—	—	—	—	3,291	17,914	97	22	119
Saudi Arabia	—	—	—	294	—	93	—	8,046	47,907	264	53	317
United Arab Emirates	—	—	—	—	—	651	—	3,530	3,530	—	23	23
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	2,320	558	1,000	1,463	7,028	6,360	5	340,545	1,109,828	5,095	2,255	7,350
Argentina	—	72	—	675	—	15	—	1,365	3,854	16	9	26
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	467	467	—	3	3
Bahrain	—	—	—	—	—	484	—	792	792	—	5	5
Belgium	73	—	—	—	—	51	—	5,853	5,853	—	39	39
Brazil	—	—	—	341	—	—	—	5,495	13,191	51	36	87
Brunei	—	—	—	—	—	—	—	313	3,231	19	2	21
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	413	358	425	143	6,769	1,717	5	93,090	646,068	3,662	616	4,279
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	165	—	—	—	—	468	468	—	3	3
Colombia	—	—	—	—	128	—	—	4,257	33,123	191	28	219
Denmark	—	—	—	—	—	—	—	253	253	—	2	2
Ecuador	—	—	—	—	—	—	—	1,898	26,855	165	13	178
Egypt	—	—	—	—	—	—	—	5,594	5,594	—	37	37
Estonia	—	—	—	—	—	—	—	366	366	—	2	2
Finland	—	—	—	—	—	—	—	4,752	4,752	—	31	31
France	11	128	13	—	—	75	—	5,230	5,230	—	35	35
Germany	—	—	—	—	—	43	—	740	740	—	5	5
Guatemala	—	—	—	—	—	—	—	—	282	2	—	2
India	—	—	—	—	—	—	—	14,217	14,217	—	94	94
Indonesia	—	—	—	—	—	458	—	599	599	—	4	4
Italy	—	—	34	—	41	70	—	6,438	6,438	—	43	43
Korea, South	133	—	3	—	—	1,262	—	20,255	20,255	—	134	134
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	287	287	—	2	2
Malaysia	—	—	89	—	—	1	—	90	90	—	1	1
Mexico	732	—	—	—	—	—	—	15,856	101,747	569	105	674
Netherlands	—	—	—	—	—	267	—	20,873	20,873	—	138	138
Norway	—	—	—	—	—	—	—	3,351	10,072	45	22	67
Oman	—	—	—	114	—	49	—	1,775	1,775	—	12	12
Portugal	—	—	—	—	—	—	—	5,238	5,238	—	35	35
Qatar	—	—	—	—	—	1,820	—	2,995	2,995	—	20	20
Russia	74	—	—	158	—	42	—	77,676	102,545	165	514	679
Spain	—	—	7	—	90	—	—	4,865	4,865	—	32	32
Sweden	—	—	—	7	—	2	—	2,617	2,617	—	17	17
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	5,809	38	—	38
United Kingdom	115	—	65	8	—	—	—	6,909	11,841	33	46	78
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	177	—	—	—	—	—	—	6,930	6,930	—	46	46
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	592	0	199	17	0	4	0	18,641	39,516	139	124	262
Total	2,370	558	1,000	1,914	7,028	7,104	5	359,704	1,230,105	5,764	2,382	8,146
Persian Gulf³	—	—	—	451	—	3,048	—	17,130	81,117	424	113	537

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	5,932	-	-	-	-	144	144	-	2,129	2,129
Algeria	205	-	-	-	-	-	-	-	-	-
Angola	344	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	560	-	-	-	-	-	-	-	-	-
Nigeria	3,224	-	-	-	-	17	17	-	582	582
Saudi Arabia	1,599	-	-	-	-	127	127	-	1,547	1,547
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	12,433	518	279	1,433	-	4,929	4,929	7,033	13,687	20,720
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	310	86	396
Brazil	-	-	-	-	-	102	102	-	1,577	1,577
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	5,981	518	279	-	-	306	306	3,064	824	3,888
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	32	-	32
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	14	14	-	64	64
France	-	-	-	-	-	-	-	362	282	644
Germany	-	-	-	-	-	79	79	-	37	37
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	303	303	-	1,906	1,906
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	10	10	6	789	795
Korea, South	-	-	-	-	-	175	175	-	563	563
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	998	-	-	319	-	-	-	-	-	-
Netherlands	-	-	-	-	-	623	623	1,132	1,765	2,897
Norway	1,713	-	-	-	-	20	20	904	191	1,095
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	18	18	534	344	878
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	2,107	-	-	830	-	1,238	1,238	92	1,715	1,807
Spain	-	-	-	-	-	281	281	26	1,162	1,188
Sweden	-	-	-	-	-	-	-	148	308	456
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	462	462	393	852	1,245
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	220	220	-	395	395
Yemen	-	-	-	-	-	-	-	-	-	-
Other	1,634	0	0	284	-	1,078	1,078	30	827	857
Total	18,365	518	279	1,433	-	5,073	5,073	7,033	15,816	22,849
Persian Gulf³	1,599	-	-	-	-	127	127	-	1,547	1,547

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	1,046	-	-	-	1,046
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	811	-	-	-	811
United Arab Emirates	--	--	-	-	-	-	235	-	-	-	235
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	116	-	-	5,695	-	-	-	5,695
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	767	-	-	-	767
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	116	-	-	2,546	-	-	-	2,546
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	880	-	-	-	880
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	204	-	-	-	204
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	10	-	-	-	10
Indonesia	--	--	-	-	-	-	5	-	-	-	5
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	295	-	-	-	295
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	4	-	-	-	4
Portugal	--	--	-	-	-	-	258	-	-	-	258
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	581	-	-	-	581
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	145	-	-	-	145
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	-	-	0
Total	--	--	-	116	-	-	6,741	-	-	-	6,741
Persian Gulf³	--	--	-	-	-	-	1,046	-	-	-	1,046

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	1,022	—	—	60	—	60
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	60	—	60
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	425	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	201	—	—	—	—	—
United Arab Emirates	—	—	—	396	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	1	—	1,192	4	—	398	659	1,057
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	1	—	127	4	—	—	360	360
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	22	22
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	11	11
Estonia	—	—	—	—	—	—	45	—	45
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	309	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	547	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	34	—	—	—	—	—
Korea, South	—	—	—	175	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	78	78
Netherlands	—	—	—	—	—	—	—	188	188
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	353	—	353
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	0	0	—	0	0	0
Total	—	1	—	2,214	4	—	458	659	1,117
Persian Gulf⁶	—	—	—	1,022	—	—	—	—	—

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	—	—	4,401	10,333	191	142	333
Algeria	—	—	—	—	—	—	—	—	205	7	—	7
Angola	—	—	—	—	—	—	—	—	344	11	—	11
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	60	60	—	2	2
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	425	425	—	14	14
Libya	—	—	—	—	—	—	—	—	560	18	—	18
Nigeria	—	—	—	—	—	—	—	599	3,823	104	19	123
Saudi Arabia	—	—	—	—	—	—	—	2,686	4,285	52	87	138
United Arab Emirates	—	—	—	—	—	—	—	631	631	—	20	20
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	8	—	87	—	966	171	—	37,176	49,609	401	1,199	1,600
Argentina	—	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	1,163	1,163	—	38	38
Brazil	—	—	—	—	—	—	—	1,679	1,679	—	54	54
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	8	—	69	—	966	135	—	9,323	15,304	193	301	494
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	13	—	—	—	—	13	13	—	0	0
Colombia	—	—	—	—	—	—	—	902	902	—	29	29
Denmark	—	—	—	—	—	—	—	32	32	—	1	1
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	11	11	—	0	0
Estonia	—	—	—	—	—	—	—	45	45	—	1	1
Finland	—	—	—	—	—	—	—	282	282	—	9	9
France	—	—	—	—	—	3	—	956	956	—	31	31
Germany	—	—	—	—	—	6	—	122	122	—	4	4
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	2,766	2,766	—	89	89
Indonesia	—	—	—	—	—	—	—	5	5	—	0	0
Italy	—	—	—	—	—	2	—	841	841	—	27	27
Korea, South	—	—	—	—	—	22	—	935	935	—	30	30
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	2	—	—	—	—	2	2	—	0	0
Mexico	—	—	—	—	—	—	—	397	1,395	32	13	45
Netherlands	—	—	—	—	—	—	—	4,003	4,003	—	129	129
Norway	—	—	—	—	—	—	—	1,115	2,828	55	36	91
Oman	—	—	—	—	—	—	—	4	4	—	0	0
Portugal	—	—	—	—	—	—	—	1,154	1,154	—	37	37
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	2	—	4,811	6,918	68	155	223
Spain	—	—	1	—	—	—	—	1,470	1,470	—	47	47
Sweden	—	—	—	—	—	—	—	456	456	—	15	15
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	1,707	1,707	—	55	55
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	760	760	—	25	25
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	—	2	—	0	1	—	2,222	3,856	53	73	126
Total	8	—	87	—	966	171	—	41,577	59,942	592	1,341	1,934
Persian Gulf³	—	—	—	—	—	—	—	3,742	5,341	52	121	172

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	72,559	1,472	242	-	-	100	100	-	317	317
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	72,559	1,472	242	-	-	-	-	-	317	317
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	100	100	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	-	-	0	0	-	0	0
Total	72,559	1,472	242	-	-	100	100	-	317	317
Persian Gulf³	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	94	-	-	135	3	1	-	139
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	94	-	-	135	3	1	-	139
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	0	0	-	0
Total	--	--	-	94	-	-	135	3	1	-	139
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	5	-	37	7	-	9	13	22
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	5	-	37	7	-	9	13	22
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	0	-	0	0	-	0	0	0
Total	-	5	-	37	7	-	9	13	22
Persian Gulf⁶	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	86	69	20	14	879	250	—	3,753	76,312	2,341	121	2,462
Argentina	—	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	86	69	20	14	879	250	—	3,653	76,212	2,341	118	2,458
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	100	100	—	3	3
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	0	0	—	0	0	0	0	1
Total	86	69	20	14	879	250	—	3,753	76,312	2,341	121	2,462
Persian Gulf³	—	—	—	—	—	—	—	—	—	—	—	—

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	6,530	—	—	1,534	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—
Angola	468	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	982	—	—	522	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	992	—	—	27	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	4,088	—	—	985	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	37,467	—	—	14,935	—	—	—	—	4,149	4,149
Argentina	—	—	—	—	—	—	—	—	140	140
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	34	—	—	—	—	242	242
Brazil	—	—	—	—	—	—	—	—	12	12
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	12,905	—	—	—	—	—	—	—	—	—
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	4,873	—	—	—	—	—	—	—	3	3
Denmark	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	1,501	—	—	—	—	—	—
Estonia	—	—	—	126	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	315	315
Germany	—	—	—	73	—	—	—	—	7	7
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	562	562
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	332	—	—	—	—	309	309
Korea, South	—	—	—	1	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	16,844	—	—	628	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	767	767
Norway	—	—	—	209	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	83	83
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	1,746	—	—	10,425	—	—	—	—	328	328
Spain	—	—	—	—	—	—	—	—	172	172
Sweden	—	—	—	20	—	—	—	—	140	140
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	1,099	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	469	—	—	—	—	467	467
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	401	—	—	—	—	438	438
Yemen	—	—	—	—	—	—	—	—	—	—
Other	0	—	—	716	—	—	—	—	164	164
Total	43,997	—	—	16,469	—	—	—	—	4,149	4,149
Persian Gulf³	5,070	—	—	1,507	—	—	—	—	—	—

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	-	-	-	711	-	-	-	711
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	-	-	-	-	-	-	-	-
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	265	-	-	-	265
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	286	-	-	-	286
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	160	-	-	-	160
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	-	-	-	0	-	-	-	0
Total	--	--	-	-	-	-	711	-	-	-	711
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	-	44	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	44	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	496	-	-	3,283	3,283
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	39	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	82	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	128	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	36	-	-	2,381	2,381
Netherlands	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	695	695
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	211	-	-	207	207
Total	-	-	-	-	540	-	-	3,283	3,283
Persian Gulf⁶	-	-	-	-	44	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	294	—	139	—	2,011	8,541	211	65	276
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	468	15	—	15
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	522	1,504	32	17	49
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	27	1,019	32	1	33
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	294	—	—	—	1,323	5,411	132	43	175
United Arab Emirates	—	—	—	—	—	139	—	139	139	—	4	4
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	528	70	48	437	—	1,283	—	25,940	63,407	1,209	837	2,045
Argentina	—	—	—	227	—	2	—	369	369	—	12	12
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	207	—	207	207	—	7	7
Belgium	—	—	—	—	—	—	—	276	276	—	9	9
Brazil	—	—	—	210	—	—	—	261	261	—	8	8
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	15	—	—	—	10	—	107	13,012	416	3	420
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	3	4,876	157	0	157
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	1,501	1,501	—	48	48
Estonia	—	—	—	—	—	—	—	126	126	—	4	4
Finland	—	—	—	—	—	—	—	—	—	—	—	—
France	—	55	—	—	—	4	—	639	639	—	21	21
Germany	—	—	—	—	—	4	—	84	84	—	3	3
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	562	562	—	18	18
Indonesia	—	—	—	—	—	153	—	153	153	—	5	5
Italy	—	—	24	—	—	5	—	670	670	—	22	22
Korea, South	47	—	—	—	—	379	—	555	555	—	18	18
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	16	—	—	—	—	16	16	—	1	1
Mexico	203	—	—	—	—	—	—	3,248	20,092	543	105	648
Netherlands	—	—	—	—	—	15	—	782	782	—	25	25
Norway	—	—	—	—	—	—	—	209	209	—	7	7
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	83	83	—	3	3
Qatar	—	—	—	—	—	504	—	504	504	—	16	16
Russia	—	—	—	—	—	—	—	11,734	13,480	56	379	435
Spain	—	—	—	—	—	—	—	172	172	—	6	6
Sweden	—	—	—	—	—	—	—	160	160	—	5	5
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	1,099	35	—	35
United Kingdom	75	—	—	—	—	—	—	1,011	1,011	—	33	33
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	999	999	—	32	32
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	203	0	8	0	—	0	—	1,509	1,509	2	47	47
Total	528	70	48	731	—	1,422	—	27,951	71,948	1,419	902	2,321
Persian Gulf⁶	—	—	—	294	—	850	—	2,695	7,765	164	87	250

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	9,705	265	-	-	-	-	-	-	22	22
Canada	9,705	265	-	-	-	-	-	-	22	22
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	-	-	-	-	-	0	0
Total	9,705	265	-	-	-	-	-	-	22	22
	PAD District 5									
OPEC	8,800	-	-	385	-	-	-	-	327	327
Algeria	-	-	-	385	-	-	-	-	-	-
Angola	484	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	4,029	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	2,070	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	2,217	-	-	-	-	-	-	-	327	327
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	27,228	1,109	-	1,999	-	828	828	-	1,044	1,044
Argentina	475	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	956	-	-	-	-	26	26	-	39	39
Brunei	923	-	-	-	-	-	-	-	-	-
Canada	8,707	1,109	-	43	-	341	341	-	33	33
China	-	-	-	-	-	-	-	-	-	-
Colombia	1,515	-	-	-	-	-	-	-	-	-
Ecuador	5,621	-	-	431	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	100	100
Korea, South	-	-	-	-	-	368	368	-	729	729
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	749	-	-	320	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	23	23	-	40	40
Other	8,282	0	-	1,205	-	70	70	-	103	103
Total	36,028	1,109	-	2,384	-	828	828	-	1,371	1,371
Persian Gulf ³	6,246	-	-	-	-	-	-	-	327	327

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
PAD District 4											
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	45	-	-	81	-	-	-	81
Canada	--	--	-	45	-	-	81	-	-	-	81
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	-	-	0
Total	--	--	-	45	-	-	81	-	-	-	81
PAD District 5											
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	61	870	-	652	-	-	-	652
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	25	-	-	332	-	-	-	332
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Japan	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	36	-	-	320	-	-	-	320
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Papua New Guinea	--	--	-	-	-	-	-	-	-	-	-
Peru	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Singapore	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Taiwan	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	870	-	0	-	-	-	0
Total	--	--	-	61	870	-	652	-	-	-	652
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels) — Continued

Country of Origin			Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	226	-	-	-	-	-
Canada	-	-	-	226	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	-	-	-
Total	-	-	-	226	-	-	-	-	-
	PAD District 5								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	3,472	-	-	82	76	158
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	-	-	49	-	-	82	37	119
China	-	-	-	303	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	39	39
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	101	-	-	-	-	-
Korea, South	-	-	-	3,019	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	0	0
Total	-	-	-	3,472	-	-	82	76	158
Persian Gulf ³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, May 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC	—	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	—	—	77	—	1	717	10,422	313	23	336
Canada	—	—	—	—	77	—	1	717	10,422	313	23	336
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Other	—	—	—	—	0	—	0	0	0	0	0	0
Total	—	—	—	—	77	—	1	717	10,422	313	23	336
	PAD District 5											
OPEC	—	—	—	—	—	—	—	712	9,512	284	23	307
Algeria	—	—	—	—	—	—	—	385	385	—	12	12
Angola	—	—	—	—	—	—	—	—	484	16	—	16
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	4,029	130	—	130
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	2,070	67	—	67
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	327	2,544	72	11	82
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	32	—	13	—	1	43	—	10,282	37,510	878	332	1,210
Argentina	—	—	—	—	—	—	—	—	475	15	—	15
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	65	1,021	31	2	33
Brunei	—	—	—	—	—	—	—	—	923	30	—	30
Canada	—	—	—	—	1	43	—	2,095	10,802	281	68	348
China	—	—	—	—	—	—	—	303	303	—	10	10
Colombia	—	—	—	—	—	—	—	—	1,515	49	—	49
Ecuador	—	—	—	—	—	—	—	470	6,091	181	15	196
Finland	—	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Japan	—	—	—	—	—	—	—	201	201	—	6	6
Korea, South	—	—	—	—	—	—	—	4,472	4,472	—	144	144
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	320	1,069	24	10	34
Netherlands	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Singapore	—	—	—	—	—	—	—	870	870	—	28	28
Sweden	—	—	—	—	—	—	—	—	—	—	—	—
Taiwan	32	—	13	—	—	—	—	45	45	—	1	1
United Kingdom	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	63	63	—	2	2
Other	0	—	0	—	0	0	—	1,378	9,660	267	46	314
Total	32	—	13	—	1	43	—	10,994	47,022	1,162	355	1,517
Persian Gulf ³	—	—	—	—	—	—	—	327	6,573	201	11	212

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	24,625	-	-	101	-	144	144	-	3,889	3,889
Algeria	5,317	-	-	-	-	-	-	-	326	326
Angola	1,930	-	-	-	-	-	-	-	322	322
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	6	6
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	2,066	-	-	-	-	-	-	-	-	-
Nigeria	9,367	-	-	101	-	17	17	-	1,609	1,609
Saudi Arabia	5,945	-	-	-	-	127	127	-	1,588	1,588
United Arab Emirates	-	-	-	-	-	-	-	-	38	38
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	56,180	5,909	1,422	8,623	-	13,806	13,806	30,232	54,228	84,460
Argentina	-	-	-	-	-	-	-	-	328	328
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	131	131	865	2,474	3,339
Brazil	-	-	-	-	-	466	466	-	3,469	3,469
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	24,895	5,656	1,422	-	-	2,216	2,216	16,573	4,571	21,144
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	855	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	64	64	121	68	189
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	358	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	177	177	-	3,313	3,313
France	-	-	-	-	-	159	159	1,885	2,070	3,955
Germany	-	-	-	-	-	122	122	-	49	49
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	575	575	-	5,435	5,435
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	180	-	245	245	23	3,387	3,410
Korea, South	-	-	-	-	-	175	175	-	1,582	1,582
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	263	263	-	24	24
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	7,923	-	-	1,301	-	-	-	-	-	-
Netherlands	-	-	-	-	-	2,953	2,953	5,152	6,739	11,891
Norway	6,721	253	-	380	-	161	161	1,465	556	2,021
Oman	-	-	-	-	-	-	-	-	33	33
Portugal	-	-	-	-	-	151	151	1,354	3,031	4,385
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	8,147	-	-	5,411	-	2,664	2,664	208	7,171	7,379
Spain	-	-	-	-	-	537	537	57	3,170	3,227
Sweden	-	-	-	-	-	143	143	175	1,350	1,525
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	1,069	-	-	-	-	610	610	2,293	1,844	4,137
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	709	-	300	300	-	1,037	1,037
Yemen	-	-	-	-	-	-	-	-	-	-
Other	6,570	0	0	284	-	1,694	1,694	61	2,521	2,582
Total	80,805	5,909	1,422	8,724	-	13,950	13,950	30,232	58,117	88,349
Persian Gulf³	5,945	-	-	-	-	127	127	-	1,626	1,626

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	5,673	-	-	-	5,673
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	24	-	-	-	24
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	1,514	-	-	-	1,514
Saudi Arabia	--	--	-	-	-	-	2,926	-	-	-	2,926
United Arab Emirates	--	--	-	-	-	-	1,209	-	-	-	1,209
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	764	-	-	38,097	-	-	-	38,097
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	308	-	-	-	308
Belgium	--	--	-	-	-	-	1,554	-	-	-	1,554
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	481	-	-	17,391	-	-	-	17,391
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	3,270	-	-	-	3,270
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	204	-	-	-	204
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	283	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	3,474	-	-	-	3,474
Indonesia	--	--	-	-	-	-	141	-	-	-	141
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	498	-	-	-	498
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	3,815	-	-	-	3,815
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	1,579	-	-	-	1,579
Portugal	--	--	-	-	-	-	258	-	-	-	258
Qatar	--	--	-	-	-	-	1,175	-	-	-	1,175
Russia	--	--	-	-	-	-	3,810	-	-	-	3,810
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	97	-	-	-	97
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	523	-	-	-	523
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	-24	-	-	-	-24
Total	--	--	-	764	-	-	43,770	-	-	-	43,770
Persian Gulf³	--	--	-	-	-	-	5,618	-	-	-	5,618

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	2,806	—	—	134	—	134
Algeria	—	—	—	742	—	—	37	—	37
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	97	—	97
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	560	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	201	—	—	—	—	—
United Arab Emirates	—	—	—	1,303	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	18	—	3,642	16	200	2,223	3,823	6,246
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	101	287	388
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	151	110	261
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	5	—	1,140	16	—	216	729	945
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	124	—	—	—	469	469
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	21	21
Egypt	—	—	—	—	—	—	—	35	35
Estonia	—	—	—	—	—	—	192	—	192
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	309	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	704	—	—	—	532	532
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	558	—	—	—	—	—
Korea, South	—	—	—	381	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	72	1,044	1,116
Netherlands	—	13	—	—	—	—	207	226	433
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	487	257	744
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	426	—	200	698	21	919
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	0	0	0	2	92	94
Total	—	18	—	6,448	16	200	2,357	3,823	6,380
Persian Gulf⁶	—	—	—	2,064	—	—	—	—	—

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	50	—	—	—	—	27	—	12,824	37,449	163	85	248
Algeria	—	—	—	—	—	—	—	1,105	6,422	35	7	43
Angola	—	—	—	—	—	—	—	322	2,252	13	2	15
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	127	127	—	1	1
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	560	560	—	4	4
Libya	—	—	—	—	—	—	—	—	2,066	14	—	14
Nigeria	50	—	—	—	—	—	—	3,291	12,658	62	22	84
Saudi Arabia	—	—	—	—	—	—	—	4,842	10,787	39	32	71
United Arab Emirates	—	—	—	—	—	27	—	2,577	2,577	—	17	17
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	287	10	511	7	3,300	665	—	167,783	223,963	372	1,111	1,483
Argentina	—	—	—	—	—	—	—	328	328	—	2	2
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	388	388	—	3	3
Bahrain	—	—	—	—	—	—	—	308	308	—	2	2
Belgium	—	—	—	—	—	27	—	5,051	5,051	—	33	33
Brazil	—	—	—	—	—	—	—	4,196	4,196	—	28	28
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	22	10	333	—	3,041	510	—	54,332	79,227	165	360	525
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	123	—	—	—	—	123	123	—	1	1
Colombia	—	—	—	—	128	—	—	3,991	4,846	6	26	32
Denmark	—	—	—	—	—	—	—	253	253	—	2	2
Ecuador	—	—	—	—	—	—	—	21	21	—	0	0
Egypt	—	—	—	—	—	—	—	393	393	—	3	3
Estonia	—	—	—	—	—	—	—	192	192	—	1	1
Finland	—	—	—	—	—	—	—	3,694	3,694	—	24	24
France	11	—	—	—	—	26	—	4,460	4,460	—	30	30
Germany	—	—	—	—	—	28	—	482	482	—	3	3
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	10,720	10,720	—	71	71
Indonesia	—	—	—	—	—	—	—	141	141	—	1	1
Italy	—	—	—	—	41	9	—	4,443	4,443	—	29	29
Korea, South	—	—	3	—	—	51	—	2,690	2,690	—	18	18
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	287	287	—	2	2
Malaysia	—	—	4	—	—	1	—	5	5	—	0	0
Mexico	—	—	—	—	—	—	—	2,417	10,340	52	16	68
Netherlands	—	—	—	—	—	3	—	19,108	19,108	—	127	127
Norway	—	—	—	—	—	—	—	2,815	9,536	45	19	63
Oman	—	—	—	—	—	—	—	1,612	1,612	—	11	11
Portugal	—	—	—	—	—	—	—	4,794	4,794	—	32	32
Qatar	—	—	—	—	—	—	—	1,175	1,175	—	8	8
Russia	74	—	—	—	—	6	—	20,088	28,235	54	133	187
Spain	—	—	7	—	90	—	—	3,861	3,861	—	26	26
Sweden	—	—	—	7	—	1	—	1,773	1,773	—	12	12
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	3	—	—	—	—	—	—	4,750	5,819	7	31	39
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	177	—	—	—	—	—	—	4,091	4,091	—	27	27
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	41	0	0	3	—	4,674	11,244	43	29	72
Total	337	10	511	7	3,300	692	—	180,607	261,412	535	1,196	1,731
Persian Gulf⁶	—	—	—	—	—	27	—	9,462	15,407	39	63	102

— = Not Applicable.

1 = No Data Reported.

2 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

3 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

4 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	378,706	11,512	1,213	-	-	100	100	-	1,554	1,554
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	378,502	11,510	1,213	-	-	-	-	-	1,401	1,401
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	153	153
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	100	100	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	204	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	2	0	-	-	0	0	-	0	0
Total	378,706	11,512	1,213	-	-	100	100	-	1,554	1,554
Persian Gulf³	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	349	-	-	826	6	4	-	836
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	349	-	-	826	6	4	-	836
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	0	0	-	0
Total	--	--	-	349	-	-	826	6	4	-	836
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	20	-	37	38	-	176	721	897
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	20	-	37	38	-	176	145	321
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	576	576
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	0	-	0	0	-	0	0	0
Total	-	20	-	37	38	-	176	721	897
Persian Gulf⁶	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	391	333	92	143	2,982	1,096	-	21,593	400,299	2,508	143	2,651
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
Canada	391	333	92	143	2,982	1,095	-	20,761	399,263	2,507	137	2,644
Chad	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	153	153	-	1	1
France	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	102	102	-	1	1
Latvia	-	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	204	1	-	1
Netherlands	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	576	576	-	4	4
Spain	-	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	1	-	1	1	-	0	0
Syria	-	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	0	0	-	0	0	0	0	0
Total	391	333	92	143	2,982	1,096	-	21,593	400,299	2,508	143	2,651
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-	-

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	26,322	-	-	3,176	-	-	-	-	325	325
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	468	-	-	-	-	-	-	-	325	325
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	1,033	-	-	-	-	-	-	-	-	-
Iraq	3,603	-	-	1,050	-	-	-	-	-	-
Kuwait	1,893	-	-	-	-	-	-	-	-	-
Libya	1,276	-	-	96	-	-	-	-	-	-
Nigeria	950	-	-	-	-	-	-	-	-	-
Saudi Arabia	17,099	-	-	2,030	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	181,938	-	32	61,199	-	1,191	1,191	-	13,807	13,807
Argentina	-	-	-	12	-	-	-	-	208	208
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	158	-	-	-	-	401	401
Brazil	3,966	-	-	-	-	-	-	-	746	746
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	66,475	-	-	383	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	19,318	-	-	-	-	-	-	-	3	3
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	400	-	-	367	-	-	-	-	-	-
Egypt	-	-	-	4,666	-	-	-	-	-	-
Estonia	-	-	-	126	-	-	-	-	-	-
Finland	-	-	-	104	-	-	-	-	529	529
France	-	-	-	-	-	-	-	-	315	315
Germany	-	-	-	84	-	-	-	-	154	154
Guatemala	282	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	1,871	1,871
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	507	-	521	521	-	861	861
Korea, South	-	-	-	84	-	-	-	-	307	307
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	73,480	-	32	3,309	-	-	-	-	-	-
Netherlands	-	-	-	230	-	-	-	-	1,039	1,039
Norway	-	-	-	536	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	444	444
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	7,343	-	-	47,477	-	100	100	-	627	627
Spain	-	-	-	-	-	56	56	-	894	894
Sweden	-	-	-	48	-	-	-	-	773	773
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	5,809	-	-	-	-	-	-	-	-	-
United Kingdom	3,863	-	-	469	-	65	65	-	1,122	1,122
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	863	-	-	-	-	654	654
Yemen	-	-	-	-	-	-	-	-	-	-
Other	1,002	-	0	1,776	-	449	449	-	2,859	2,859
Total	208,260	-	32	64,375	-	1,191	1,191	-	14,132	14,132
Persian Gulf³	23,628	-	-	3,080	-	-	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	54	50	-	1,086	-	400	-	1,486
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	41	-	-	-	41
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	-	-	-	-	-	-	-	-
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	263	-	-	-	263
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	265	-	-	-	265
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	71	-	-	-	71
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	286	-	-	-	286
Spain	--	--	-	54	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	160	-	400	-	560
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	50	-	0	-	0	-	0
Total	--	--	-	54	50	-	1,086	-	400	-	1,486
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	-	122	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	122	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	102	-	-	1,536	1,356	560	12,385	14,301
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	106	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	247	582	-	-	582
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	535	535
Estonia	-	48	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	89	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	645	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	36	-	-	7,662	7,662
Netherlands	-	54	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	599	130	2,716	3,445
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	175	225	-	400
Yemen	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	413	0	205	1,472	1,677
Total	-	102	-	-	1,658	1,356	560	12,385	14,301
Persian Gulf⁶	-	-	-	-	122	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	451	—	717	—	4,791	31,113	174	32	206
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	325	793	3	2	5
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	1,033	7	—	7
Iraq	—	—	—	—	—	—	—	1,050	4,653	24	7	31
Kuwait	—	—	—	157	—	—	—	157	2,050	13	1	14
Libya	—	—	—	—	—	—	—	96	1,372	8	1	9
Nigeria	—	—	—	—	—	—	—	—	950	6	—	6
Saudi Arabia	—	—	—	294	—	93	—	2,539	19,638	113	17	130
United Arab Emirates	—	—	—	—	—	624	—	624	624	—	4	4
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	1,522	215	266	1,313	98	4,442	—	101,643	283,581	1,205	673	1,878
Argentina	—	72	—	675	—	15	—	982	982	—	7	7
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	484	—	484	484	—	3	3
Belgium	73	—	—	—	—	24	—	656	656	—	4	4
Brazil	—	—	—	341	—	—	—	1,234	5,200	26	8	34
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	15	—	—	98	44	—	1,369	67,844	440	9	449
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	266	19,584	128	2	130
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	367	767	3	2	5
Egypt	—	—	—	—	—	—	—	5,201	5,201	—	34	34
Estonia	—	—	—	—	—	—	—	174	174	—	1	1
Finland	—	—	—	—	—	—	—	633	633	—	4	4
France	—	128	13	—	—	49	—	770	770	—	5	5
Germany	—	—	—	—	—	15	—	253	253	—	2	2
Guatemala	—	—	—	—	—	—	—	—	282	2	—	2
India	—	—	—	—	—	—	—	1,960	1,960	—	13	13
Indonesia	—	—	—	—	—	458	—	458	458	—	3	3
Italy	—	—	34	—	—	61	—	1,984	1,984	—	13	13
Korea, South	133	—	—	—	—	1,190	—	2,359	2,359	—	16	16
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	84	—	—	—	—	84	84	—	1	1
Mexico	732	—	—	—	—	—	—	11,842	85,322	487	78	565
Netherlands	—	—	—	—	—	264	—	1,607	1,607	—	11	11
Norway	—	—	—	—	—	—	—	536	536	—	4	4
Oman	—	—	—	114	—	49	—	163	163	—	1	1
Portugal	—	—	—	—	—	—	—	444	444	—	3	3
Qatar	—	—	—	—	—	1,752	—	1,752	1,752	—	12	12
Russia	—	—	—	158	—	36	—	52,129	59,472	49	345	394
Spain	—	—	—	—	—	—	—	1,004	1,004	—	7	7
Sweden	—	—	—	—	—	—	—	821	821	—	5	5
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	5,809	38	—	38
United Kingdom	112	—	65	8	—	—	—	1,841	5,704	26	12	38
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	2,477	2,477	—	16	16
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	472	0	70	17	0	1	—	7,793	8,795	6	52	58
Total	1,522	215	266	1,764	98	5,159	—	106,434	314,694	1,379	705	2,084
Persian Gulf⁶	—	—	—	451	—	2,953	—	6,606	30,234	156	44	200

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	44,707	2,324	-	25	-	-	-	-	206	206
Canada	44,707	2,324	-	25	-	-	-	-	206	206
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	-	-	-	0	0
Total	44,707	2,324	-	25	-	-	-	-	206	206
	PAD District 5									
OPEC	50,171	-	-	385	-	153	153	-	841	841
Algeria	-	-	-	385	-	-	-	-	-	-
Angola	2,463	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	16,992	-	-	-	-	-	-	-	-	-
Kuwait	605	-	-	-	-	-	-	-	-	-
Libya	8,988	-	-	-	-	-	-	-	-	-
Nigeria	4,306	-	-	-	-	-	-	-	-	-
Saudi Arabia	16,817	-	-	-	-	153	153	-	512	512
United Arab Emirates	-	-	-	-	-	-	-	-	329	329
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	107,752	7,349	-	6,982	-	2,501	2,501	-	3,953	3,953
Argentina	2,489	55	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	3,730	-	-	-	-	26	26	-	39	39
Brunei	2,918	-	-	-	-	-	-	-	-	-
Canada	38,399	7,294	-	210	-	956	956	-	260	260
China	-	-	-	-	-	-	-	-	-	-
Colombia	8,693	-	-	-	-	-	-	-	-	-
Ecuador	24,557	-	-	923	-	-	-	-	-	-
Finland	-	-	-	-	-	1	1	-	271	271
Germany	-	-	-	-	-	5	5	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	345	345
Korea, South	-	-	-	-	-	950	950	-	1,420	1,420
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	4,284	-	-	1,597	-	-	-	-	-	-
Netherlands	-	-	-	-	-	65	65	-	93	93
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	315	315
Sweden	-	-	-	-	-	22	22	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	318	318
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	299	-	23	23	-	40	40
Other	22,682	0	-	3,953	-	453	453	-	852	852
Total	157,923	7,514	-	7,367	-	2,654	2,654	-	4,794	4,794
Persian Gulf ³	34,414	-	-	-	-	153	153	-	841	841

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen-ates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
	PAD District 4										
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	230	-	-	782	-	-	-	782
Canada	--	--	-	230	-	-	782	-	-	-	782
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	-	-	0
Total	--	--	-	230	-	-	782	-	-	-	782
	PAD District 5										
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	271	4,238	-	2,402	628	-	-	3,030
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	120	-	-	2,067	-	-	-	2,067
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Japan	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	151	-	-	335	628	-	-	963
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Papua New Guinea	--	--	-	-	-	-	-	-	-	-	-
Peru	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Singapore	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Taiwan	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	4,238	-	0	0	-	-	0
Total	--	--	-	271	4,238	-	2,402	628	-	-	3,030
Persian Gulf ³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels) — Continued

Country of Origin						Residual Fuel Oil			
	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	27	-	290	-	-	-	-	-
Canada	-	27	-	290	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	0	-	0	-	-	-	-	-
Total	-	27	-	290	-	-	-	-	-
	PAD District 5								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	8	-	13,311	-	-	1,674	1,264	2,938
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	313	-	-	-	-	-
Canada	-	8	-	171	-	-	540	397	937
China	-	-	-	303	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	587	587
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	101	-	-	-	-	-
Korea, South	-	-	-	11,599	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	309	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	0	-	515	-	-	1,134	280	1,414
Total	-	8	-	13,311	-	-	1,674	1,264	2,938
Persian Gulf ³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-May 2021
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks								Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Waxes	Petroleum Coke	Asphalt and Road Oil
	PAD District 4											
OPEC	-	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	273	-	5	4,162	48,869	296	28	324
Canada	-	-	-	-	273	-	5	4,162	48,869	296	28	324
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	0	-	0	0	0	0	0	0
Total	-	-	-	-	273	-	5	4,162	48,869	296	28	324
	PAD District 5											
OPEC	-	-	-	-	-	-	-	1,544	51,715	332	10	342
Algeria	-	-	-	-	-	-	-	385	385	-	3	3
Angola	-	-	-	-	-	-	-	-	2,463	16	-	16
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	16,992	113	-	113
Kuwait	-	-	-	-	-	-	-	-	605	4	-	4
Libya	-	-	-	-	-	-	-	-	8,988	60	-	60
Nigeria	-	-	-	-	-	-	-	-	4,306	29	-	29
Saudi Arabia	-	-	-	-	-	-	-	665	17,482	111	4	116
United Arab Emirates	-	-	-	-	-	-	-	329	329	-	2	2
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	120	-	131	-	375	157	-	45,364	153,116	714	300	1,014
Argentina	-	-	-	-	-	-	-	55	2,544	16	0	17
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	65	3,795	25	0	25
Brunei	-	-	-	-	-	-	-	313	3,231	19	2	21
Canada	-	-	-	-	375	68	-	12,466	50,865	254	83	337
China	-	-	42	-	-	-	-	345	345	-	2	2
Colombia	-	-	-	-	-	-	-	-	8,693	58	-	58
Ecuador	-	-	-	-	-	-	-	1,510	26,067	163	10	173
Finland	-	-	-	-	-	-	-	272	272	-	2	2
Germany	-	-	-	-	-	-	-	5	5	-	0	0
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	18	-	-	-	-	464	464	-	3	3
Korea, South	-	-	-	-	-	21	-	15,104	15,104	-	100	100
Malaysia	-	-	1	-	-	-	-	1	1	-	0	0
Mexico	-	-	-	-	-	-	-	1,597	5,881	28	11	39
Netherlands	-	-	-	-	-	-	-	158	158	-	1	1
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	68	-	68	68	-	0	0
Singapore	-	-	-	-	-	-	-	4,553	4,553	-	30	30
Sweden	-	-	-	-	-	-	-	22	22	-	0	0
Taiwan	120	-	70	-	-	-	-	499	499	-	3	3
United Kingdom	-	-	-	-	-	-	-	318	318	-	2	2
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	362	362	-	2	2
Other	0	-	0	-	0	0	-	7,187	29,869	151	49	199
Total	120	-	131	-	375	157	-	46,908	204,831	1,046	311	1,356
Persian Gulf ³	-	-	-	-	-	68	-	1,062	35,476	228	7	235

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 49. Exports of Crude Oil and Petroleum Products by PAD District, May 2021
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	—	4,074	79,692	—	1,048	84,814	2,736
Hydrocarbon Gas Liquids	7,627	8,923	52,634	151	1,485	70,821	2,285
Natural Gas Liquids	7,627	8,923	52,634	151	1,485	70,821	2,285
Ethane	1,853	2,384	7,140	—	0	11,378	367
Propane	3,560	152	34,297	4	572	38,586	1,245
Normal Butane	2,120	142	11,006	34	872	14,175	457
Isobutane	1	3	135	—	0	139	4
Natural Gasoline	93	6,242	55	113	41	6,544	211
Refinery Olefins	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propylene	—	—	—	—	—	—	—
Normal Butylene	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—
Other Liquids	149	2,403	15,286	16	483	18,337	592
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons	122	821	1,010	16	303	2,272	73
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) ...	122	821	1,010	16	303	2,272	73
Fuel Ethanol	78	509	894	0	205	1,686	54
Biodiesel	44	312	116	16	98	585	19
Other Renewable Diesel	—	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils	24	1,406	11,495	0	22	12,947	418
Naphthas and Lighter	16	1,397	11,227	0	1	12,640	408
Kerosene and Light Gas Oils	8	9	268	0	21	307	10
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)	3	175	2,781	0	159	3,119	101
Reformulated	0	—	1	—	2	3	0
Conventional	3	175	2,780	0	157	3,116	101
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	2,421	1,146	71,386	41	7,408	82,402	2,658
Finished Motor Gasoline	609	269	23,735	1	1,441	26,055	840
Reformulated	—	—	—	—	—	—	—
Conventional	609	269	23,735	1	1,441	26,055	840
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	318	2	2,068	—	425	2,813	91
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	704	54	29,146	0	1,512	31,416	1,013
15 ppm sulfur and under	704	0	26,274	0	1,339	28,318	913
Greater than 15 ppm to 500 ppm sulfur	—	16	1,806	—	22	1,844	59
Greater than 500 ppm sulfur	—	38	1,066	—	151	1,255	40
Residual Fuel Oil	71	167	2,026	20	236	2,521	81
Naphtha for Petro. Feed. Use	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	—	—	—
Lubricants	187	205	2,459	17	492	3,360	108
Waxes	79	40	18	0	3	140	5
Petroleum Coke	364	347	11,302	—	3,276	15,289	493
Asphalt and Road Oil	73	61	615	2	24	776	25
Miscellaneous Products	15	0	18	—	0	33	1
Total	10,198	16,546	218,998	208	10,425	256,374	8,270

— = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-May 2021
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	3,099	16,997	413,726	—	6,526	440,348	2,916
Hydrocarbon Gas Liquids	41,146	46,122	253,948	460	7,215	348,891	2,311
Natural Gas Liquids	41,146	46,122	253,948	460	7,215	348,891	2,311
Ethane	10,995	13,194	30,698	—	0	54,887	363
Propane	19,368	656	173,435	8	4,259	196,554	1,302
Normal Butane	10,444	568	50,495	36	2,906	64,024	424
Isobutane	4	12	453	0	3	470	3
Natural Gasoline	404	31,700	343	416	93	32,956	218
Refinery Olefins	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propylene	—	—	—	—	—	—	—
Normal Butylene	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—
Other Liquids	765	10,964	66,743	64	2,260	80,796	535
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons	591	3,179	10,525	63	1,295	15,653	104
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) ...	591	3,179	10,525	63	1,295	15,653	104
Fuel Ethanol	352	2,375	10,167	36	1,034	13,964	92
Biodiesel	239	804	358	27	260	1,689	11
Other Renewable Diesel	—	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils	155	7,353	46,900	0	198	54,607	362
Naphthas and Lighter	65	7,323	45,770	0	108	53,265	353
Kerosene and Light Gas Oils	91	31	1,130	0	90	1,342	9
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)	18	432	9,318	1	767	10,536	70
Reformulated	2	—	16	—	10	28	0
Conventional	16	432	9,302	1	758	10,508	70
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	11,075	4,672	330,321	112	36,604	382,784	2,535
Finished Motor Gasoline	1,146	1,169	104,672	5	7,614	114,606	759
Reformulated	—	—	—	—	—	—	—
Conventional	1,146	1,169	104,672	5	7,614	114,606	759
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	881	109	8,890	—	1,941	11,821	78
Kerosene	3	4	546	—	183	736	5
Distillate Fuel Oil	2,778	426	133,188	0	8,445	144,838	959
15 ppm sulfur and under	2,169	6	114,480	0	6,973	123,628	819
Greater than 15 ppm to 500 ppm sulfur	606	84	9,626	—	700	11,015	73
Greater than 500 ppm sulfur	4	336	9,082	—	772	10,195	68
Residual Fuel Oil	1,607	742	11,334	35	2,624	16,342	108
Naphtha for Petro. Feed. Use	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	—	—	—
Lubricants	855	913	11,405	66	1,788	15,028	100
Waxes	405	166	138	1	19	729	5
Petroleum Coke	2,970	723	57,868	0	13,854	75,414	499
Asphalt and Road Oil	354	409	2,209	5	134	3,111	21
Miscellaneous Products	75	10	72	—	1	158	1
Total	56,084	78,755	1,064,737	637	52,605	1,252,818	8,297

— = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, May 2021
(Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	—	—	—	10	—	—	—	—	—	—
Australia	755	553	—	4	—	—	—	1	—	1
Bahamas	—	47	—	0	—	364	364	—	—	—
Bahrain	—	—	—	0	—	—	—	—	—	—
Belgium	—	1,339	—	2	—	—	—	0	—	0
Belize	—	—	—	—	—	50	50	—	0	0
Brazil	438	2,817	—	1,322	—	895	895	—	—	—
Canada	8,420	9,251	—	1,419	—	337	337	—	450	450
Cayman Islands	—	0	—	—	—	—	—	—	0	0
Chile	1,560	534	—	22	—	2	2	—	—	—
China	10,842	8,188	—	2	—	—	—	—	—	—
Colombia	1,100	0	—	1,109	—	900	900	—	—	—
Costa Rica	—	223	—	5	—	611	611	—	—	—
Denmark	120	—	—	—	—	—	—	—	—	—
Dominican Republic	500	1,643	—	0	—	521	521	—	—	—
Ecuador	—	1,043	—	—	—	300	300	—	7	7
Egypt	—	444	—	—	—	—	—	—	—	—
El Salvador	—	215	—	2	—	437	437	—	—	—
Finland	—	523	—	—	—	—	—	—	—	—
France	1,556	725	—	32	—	—	—	—	—	—
Germany	3,306	72	—	1	—	—	—	—	—	—
Ghana	—	—	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—	—	—
Guatemala	—	144	—	6	—	1,724	1,724	—	1	1
Honduras	—	600	—	2	—	610	610	—	—	—
Hong Kong	—	—	—	652	—	3	3	—	—	—
India	11,182	4,094	—	316	—	—	—	—	—	—
Indonesia	—	3,223	—	1	—	—	—	—	—	—
Ireland	670	—	—	—	—	1	1	—	—	—
Israel	—	—	—	12	—	—	—	—	—	—
Italy	4,460	—	—	0	—	—	—	—	—	—
Jamaica	—	34	—	—	—	211	211	—	0	0
Japan	—	11,889	—	1,717	—	1	1	1	—	1
Korea, South	7,423	5,131	—	1,769	—	5	5	0	1	1
Lebanon	—	—	—	—	—	—	—	—	—	—
Mexico	—	4,317	—	563	—	16,992	16,992	0	2,199	2,199
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	1,268	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	7,587	2,053	—	2,179	—	—	—	—	—	—
New Zealand	—	—	—	0	—	—	—	—	—	—
Nicaragua	288	—	—	—	—	53	53	—	—	—
Nigeria	—	462	—	—	—	320	320	—	—	—
Norway	2,387	1,099	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—	—	—
Panama	—	71	—	3	—	737	737	—	130	130
Peru	400	509	—	7	—	786	786	—	126	126
Philippines	—	—	—	0	—	—	—	—	—	—
Portugal	—	620	—	—	—	—	—	—	—	—
Puerto Rico	—	28	—	5	—	2	2	—	0	0
Romania	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	0	—	—	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	3,261	531	—	751	—	130	130	—	—	—
South Africa	798	554	—	—	—	—	—	—	—	—
Spain	710	768	—	—	—	—	—	—	—	—
Switzerland	735	604	—	0	—	—	—	—	—	—
Taiwan	6,450	0	—	451	—	—	—	—	—	—
Thailand	—	0	—	7	—	—	—	—	—	—
Trinidad and Tobago	—	0	—	0	—	0	0	—	—	—
Turkey	—	813	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	2	—	2	2	—	0	0
United Kingdom	7,179	1,394	—	82	—	0	0	—	200	200
Venezuela	—	0	—	—	—	0	0	—	0	0
Other	2,687	2,998	—	492	—	61	61	1	2	3
Total	84,814	70,821	—	12,947	—	26,055	26,055	3	3,116	3,119

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, May 2021
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina	---	---	—	—	—	—	449	305	—	—	754
Australia	---	---	0	—	—	—	—	—	—	—	—
Bahamas	---	---	0	—	—	—	503	—	—	—	503
Bahrain	---	---	1	—	—	—	—	—	—	—	—
Belgium	---	---	—	—	—	—	0	—	—	—	0
Belize	---	---	—	—	—	—	0	—	—	—	0
Brazil	---	---	0	—	—	—	3,677	230	—	—	3,907
Canada	---	---	652	501	—	—	0	311	76	—	387
Cayman Islands	---	---	—	—	—	—	1	—	—	—	1
Chile	---	---	0	1	—	—	1,823	—	—	—	1,823
China	---	---	301	—	—	—	0	—	—	—	0
Colombia	---	---	31	—	—	—	301	—	—	—	301
Costa Rica	---	---	0	—	—	—	511	—	—	—	511
Denmark	---	---	—	—	—	—	—	—	—	—	—
Dominican Republic	---	---	0	—	—	—	304	0	290	—	595
Ecuador	---	---	—	—	—	—	333	—	—	—	333
Egypt	---	---	0	—	—	—	0	—	—	—	0
El Salvador	---	---	—	—	—	—	2	—	183	—	185
Finland	---	---	—	—	—	—	—	—	—	—	—
France	---	---	32	—	—	—	2	—	—	—	2
Germany	---	---	—	1	—	—	0	—	—	—	0
Ghana	---	---	—	—	—	—	—	—	—	—	—
Gibraltar	---	---	—	—	—	—	410	—	—	—	410
Greece	---	---	0	—	—	—	—	—	—	—	—
Guatemala	---	---	0	—	—	—	1,458	—	—	—	1,458
Honduras	---	---	—	—	—	—	1,061	—	—	—	1,061
Hong Kong	---	---	—	—	—	—	—	—	—	—	—
India	---	---	100	—	—	—	50	—	—	—	50
Indonesia	---	---	—	0	—	—	—	—	—	—	—
Ireland	---	---	0	—	—	—	—	—	—	—	—
Israel	---	---	1	—	—	—	—	—	—	—	—
Italy	---	---	4	—	—	—	—	—	—	—	—
Jamaica	---	---	0	—	—	—	208	99	—	—	307
Japan	---	---	1	—	—	—	1	—	—	—	1
Korea, South	---	---	215	—	—	—	1	—	—	—	1
Lebanon	---	---	—	—	—	—	0	—	—	—	0
Mexico	---	---	82	0	—	—	10,030	134	214	—	10,378
Montenegro	---	---	—	—	—	—	—	—	—	—	—
Morocco	---	---	—	—	—	—	—	—	—	—	—
Mozambique	---	---	—	—	—	—	—	—	—	—	—
Netherlands	---	---	—	35	—	—	208	—	—	—	208
New Zealand	---	---	—	—	—	—	—	—	—	—	—
Nicaragua	---	---	0	—	—	—	95	—	224	—	319
Nigeria	---	---	154	—	—	—	—	—	—	—	—
Norway	---	---	—	—	—	—	1	—	—	—	1
Pakistan	---	---	—	—	—	—	—	—	—	—	—
Panama	---	---	—	—	—	—	2,323	175	113	—	2,612
Peru	---	---	27	46	—	—	1,765	—	—	—	1,765
Philippines	---	---	—	—	—	—	—	—	—	—	—
Portugal	---	---	—	—	—	—	—	—	—	—	—
Puerto Rico	---	---	3	—	—	—	1	0	—	—	1
Romania	---	---	—	—	—	—	—	—	—	—	—
Saudi Arabia	---	---	79	—	—	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	---	---	—	—	—	—	—	—	—	—	—
Singapore	---	---	0	1	—	—	490	—	—	—	490
South Africa	---	---	—	—	—	—	—	—	—	—	—
Spain	---	---	—	—	—	—	—	—	—	—	—
Switzerland	---	---	0	—	—	—	—	—	—	—	—
Taiwan	---	---	—	—	—	—	—	—	—	—	—
Thailand	---	---	0	—	—	—	—	—	—	—	—
Trinidad and Tobago	---	---	—	—	—	—	—	270	—	—	270
Turkey	---	---	0	—	—	—	—	—	—	—	—
United Arab Emirates	---	---	0	—	—	—	—	—	—	—	—
United Kingdom	---	---	0	—	—	—	1,341	—	—	—	1,341
Venezuela	---	---	—	—	—	—	0	—	—	—	0
Other	---	---	3	—	—	—	969	320	155	—	1,441
Total	---	---	1,686	585	—	—	28,318	1,844	1,255	—	31,416

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, May 2021
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina	—	—	—	0	—	—	—	—
Australia	—	—	—	—	—	0	—	—
Bahamas	—	—	—	64	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—
Belize	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—
Canada	—	—	—	375	—	827	—	—
Cayman Islands	—	—	—	—	—	—	—	—
Chile	—	—	—	117	—	174	—	—
China	—	—	—	—	—	1	—	—
Colombia	—	—	—	—	—	—	—	—
Costa Rica	—	—	—	100	—	—	—	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	—	—	—	100	—	200	—	—
Ecuador	—	—	—	1	—	0	—	—
Egypt	—	—	—	—	—	—	—	—
El Salvador	—	—	—	30	—	0	—	—
Finland	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—
Ghana	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—
Guatemala	—	—	—	34	—	—	—	—
Honduras	—	—	—	26	—	0	—	—
Hong Kong	—	—	—	—	—	—	—	—
India	—	—	—	0	—	1	—	—
Indonesia	—	—	—	—	—	—	—	—
Ireland	—	—	—	—	—	—	—	—
Israel	—	—	—	334	—	0	—	—
Italy	—	—	—	—	—	—	—	—
Jamaica	—	—	—	0	—	152	—	—
Japan	—	—	—	0	—	—	—	—
Korea, South	—	—	—	0	—	—	—	—
Lebanon	—	—	—	—	—	—	—	—
Mexico	—	—	—	1,226	—	507	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	135	—	—
New Zealand	—	—	—	—	—	—	—	—
Nicaragua	—	—	—	37	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—
Panama	—	—	—	264	—	58	—	—
Peru	—	—	—	1	—	0	—	—
Philippines	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	0	—	0	—	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	2	—	90	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	—	—	—	—	—	0	—	—
South Africa	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—
Switzerland	—	—	—	—	—	—	—	—
Taiwan	—	—	—	0	—	0	—	—
Thailand	—	—	—	—	—	0	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—
Turkey	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	0	—	—	—	—
United Kingdom	—	—	—	0	—	0	—	—
Venezuela	—	—	—	—	—	—	—	—
Other	—	—	—	102	—	376	—	—
Total	—	—	—	2,813	—	2,521	—	—

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, May 2021
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina	—	—	70	32	0	866	866	—	28	28
Australia	0	391	0	5	0	955	1,710	24	31	55
Bahamas	—	—	2	2	0	982	982	—	32	32
Bahrain	0	—	—	0	—	1	1	—	0	0
Belgium	0	3	0	526	1	1,871	1,871	—	60	60
Belize	—	—	—	1	—	52	52	—	2	2
Brazil	1	1,394	0	505	1	10,843	11,281	14	350	364
Canada	108	594	133	273	3	15,311	23,731	272	494	766
Cayman Islands	—	—	2	2	—	4	4	—	0	0
Chile	0	0	93	72	0	2,839	4,399	50	92	142
China	3	3,104	1	28	1	11,629	22,471	350	375	725
Colombia	0	0	0	133	1	2,475	3,575	35	80	115
Costa Rica	—	—	95	11	0	1,555	1,555	—	50	50
Denmark	—	—	—	0	—	0	120	4	0	4
Dominican Republic	0	—	—	19	0	3,079	3,579	16	99	115
Ecuador	0	413	0	60	—	2,157	2,157	—	70	70
Egypt	0	—	—	1	—	446	446	—	14	14
El Salvador	—	—	—	28	—	897	897	—	29	29
Finland	—	107	0	1	—	632	632	—	20	20
France	0	241	—	0	0	1,032	2,587	50	33	83
Germany	2	0	6	2	0	84	3,390	107	3	109
Ghana	—	—	—	0	—	0	0	—	0	0
Gibraltar	—	—	—	—	—	410	410	—	13	13
Greece	—	—	—	0	—	0	0	—	0	0
Guatemala	0	245	—	31	—	3,643	3,643	—	118	118
Honduras	0	289	72	13	—	2,674	2,674	—	86	86
Hong Kong	0	—	—	3	0	658	658	—	21	21
India	1	1,059	0	9	1	5,631	16,813	361	182	542
Indonesia	0	—	1	2	—	3,227	3,227	—	104	104
Ireland	—	—	—	0	—	1	671	22	0	22
Israel	0	295	—	26	0	667	667	—	22	22
Italy	0	475	—	0	—	480	4,939	144	15	159
Jamaica	0	—	0	4	0	709	709	—	23	23
Japan	1	1,612	1	21	3	15,248	15,248	—	492	492
Korea, South	1	0	0	7	0	7,131	14,554	239	230	469
Lebanon	—	—	—	0	—	0	0	—	0	0
Mexico	16	1,912	268	1,181	18	39,658	39,658	—	1,279	1,279
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	166	—	0	—	1,434	1,434	—	46	46
Mozambique	—	52	—	0	—	53	53	—	2	2
Netherlands	2	203	2	5	0	4,822	12,408	245	156	400
New Zealand	0	—	0	1	—	1	1	—	0	0
Nicaragua	—	—	—	8	—	417	705	9	13	23
Nigeria	—	—	—	1	—	936	936	—	30	30
Norway	—	88	0	0	—	1,189	3,576	77	38	115
Pakistan	—	—	—	0	0	0	0	—	0	0
Panama	0	—	—	23	—	3,897	3,897	—	126	126
Peru	0	—	—	71	0	3,340	3,740	13	108	121
Philippines	0	—	—	3	0	3	3	—	0	0
Portugal	—	—	—	—	—	620	620	—	20	20
Puerto Rico	0	—	1	9	—	50	50	—	2	2
Romania	—	—	—	0	—	0	0	—	0	0
Saudi Arabia	0	3	—	7	—	182	182	—	6	6
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	0	—	0	2	0	1,907	5,168	105	62	167
South Africa	—	92	—	63	—	708	1,506	26	23	49
Spain	1	271	—	1	—	1,041	1,751	23	34	56
Switzerland	—	—	—	0	—	604	1,339	24	19	43
Taiwan	0	—	0	8	0	459	6,909	208	15	223
Thailand	0	—	0	6	0	13	13	—	0	0
Trinidad and Tobago	—	—	—	5	0	275	275	—	9	9
Turkey	0	915	—	47	—	1,774	1,774	—	57	57
United Arab Emirates	0	110	2	30	0	146	146	—	5	5
United Kingdom	1	90	0	1	0	3,109	10,288	232	100	332
Venezuela	—	—	—	8	—	9	9	—	0	0
Other	3	1,165	27	63	4	6,724	9,414	86	216	305
Total	140	15,289	776	3,360	33	171,560	256,374	2,736	5,534	8,270

— = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-May 2021
(Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	8	0	--	357	--	--	--	--	--	--
Australia	2,981	1,714	--	9	--	0	0	2	0	2
Bahamas	--	678	--	0	--	610	610	0	1	1
Bahrain	--	--	--	0	--	1	1	--	--	--
Belgium	1,242	2,796	--	678	--	0	0	0	--	0
Belize	--	80	--	--	--	125	125	--	0	0
Brazil	10,280	9,585	--	11,963	--	3,938	3,938	0	--	0
Canada	49,025	47,233	--	7,426	--	2,088	2,088	--	3,203	3,203
Cayman Islands	--	19	--	--	--	136	136	1	0	1
Chile	4,415	5,951	--	55	--	1,669	1,669	--	1	1
China	47,017	33,616	--	20	--	5	5	--	0	0
Colombia	2,862	24	--	4,531	--	4,249	4,249	0	269	270
Costa Rica	--	877	--	14	--	3,670	3,670	--	--	--
Denmark	2,790	--	--	125	--	--	--	0	--	0
Dominican Republic	3,456	5,762	--	2	--	1,173	1,173	--	--	--
Ecuador	--	5,908	--	353	--	3,586	3,586	--	17	17
Egypt	--	3,612	--	--	--	--	--	--	--	--
El Salvador	--	1,451	--	3	--	2,042	2,042	--	0	0
Finland	--	1,454	--	0	--	--	--	--	--	--
France	10,971	4,541	--	123	--	--	--	--	--	--
Germany	11,155	230	--	22	--	--	--	--	0	0
Ghana	--	--	--	--	--	--	--	--	--	--
Gibraltar	--	475	--	--	--	--	--	--	--	--
Greece	--	--	--	--	--	0	0	--	--	--
Guatemala	--	1,996	--	15	--	7,781	7,781	--	1	1
Honduras	--	2,400	--	5	--	2,617	2,617	--	0	0
Hong Kong	--	--	--	652	--	6	6	--	--	--
India	60,261	23,488	--	346	--	20	20	--	1	1
Indonesia	612	20,489	--	4	--	--	--	--	--	--
Ireland	3,180	--	--	--	--	1	1	--	--	--
Israel	--	1	--	65	--	--	--	--	--	--
Italy	16,044	1,011	--	8	--	0	0	--	--	--
Jamaica	--	174	--	0	--	474	474	--	1	1
Japan	2,010	60,711	--	7,520	--	2	2	5	183	188
Korea, South	47,009	19,229	--	5,542	--	8	8	2	4	5
Lebanon	--	--	--	--	--	0	0	--	--	--
Mexico	--	25,157	--	2,298	--	69,847	69,847	16	6,213	6,228
Montenegro	--	--	--	--	--	--	--	--	--	--
Morocco	--	6,707	--	--	--	--	--	--	--	--
Mozambique	--	--	--	--	--	--	--	--	--	--
Netherlands	43,513	9,768	--	5,032	--	--	--	--	--	--
New Zealand	--	1	--	0	--	--	--	--	--	--
Nicaragua	1,010	--	--	--	--	496	496	--	--	--
Nigeria	--	3,440	--	0	--	820	820	--	--	--
Norway	5,247	4,956	--	413	--	--	--	--	0	0
Pakistan	--	--	--	--	--	0	0	--	--	--
Panama	1,400	367	--	6	--	3,773	3,773	0	130	130
Peru	2,616	1,953	--	138	--	3,656	3,656	--	279	279
Philippines	--	525	--	1	--	--	--	--	--	--
Portugal	1,454	5,372	--	--	--	--	--	--	--	--
Puerto Rico	--	151	--	19	--	11	11	0	3	3
Romania	--	--	--	--	--	--	--	--	--	--
Saudi Arabia	--	0	--	5	--	1	1	--	0	0
Serbia (Excludes Kosovo) ..	--	--	--	--	--	--	--	--	--	--
Singapore	18,453	4,339	--	3,110	--	194	194	--	0	0
South Africa	798	1,332	--	--	--	--	--	--	--	--
Spain	8,107	2,090	--	33	--	--	--	--	--	--
Switzerland	2,847	2,443	--	345	--	--	--	--	--	--
Taiwan	28,883	3	--	1,418	--	6	6	0	0	0
Thailand	6,528	0	--	14	--	--	--	--	--	--
Trinidad and Tobago	--	0	--	1	--	1	1	--	--	--
Turkey	--	7,044	--	0	--	--	--	--	0	0
United Arab Emirates	--	0	--	3	--	3	3	--	0	0
United Kingdom	31,727	5,244	--	834	--	161	161	--	200	200
Venezuela	--	1	--	0	--	1	1	1	0	1
Other	12,447	12,493	--	1,099	--	1,435	1,435	1	2	4
Total	440,348	348,891	--	54,607	--	114,606	114,606	28	10,508	10,536

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-May 2021
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina	---	---	0	—	—	—	1,028	613	—	—	1,641
Australia	---	---	33	0	—	—	2	—	—	—	2
Bahamas	---	---	0	—	—	—	1,041	—	839	—	1,880
Bahrain	---	---	1	—	—	—	—	—	—	—	—
Belgium	---	---	1	—	—	—	375	—	—	—	375
Belize	---	---	0	—	—	—	303	—	—	—	303
Brazil	---	---	729	—	—	—	13,356	1,587	101	—	15,043
Canada	---	---	3,012	1,302	—	—	6	2,096	404	—	2,506
Cayman Islands	---	---	—	—	—	—	198	—	—	—	198
Chile	---	---	3	1	—	—	12,919	0	293	—	13,213
China	---	---	2,384	—	—	—	5	—	1	—	6
Colombia	---	---	465	—	—	—	1,718	—	—	—	1,718
Costa Rica	---	---	2	—	—	—	3,156	—	—	—	3,156
Denmark	---	---	—	—	—	—	37	40	—	—	77
Dominican Republic	---	---	4	—	—	—	1,242	1	940	—	2,183
Ecuador	---	---	0	—	—	—	1,215	442	165	—	1,822
Egypt	---	---	2	—	—	—	1	—	—	—	1
El Salvador	---	---	—	—	—	—	643	301	417	—	1,360
Finland	---	---	262	—	—	—	2	—	—	—	2
France	---	---	143	—	—	—	6	—	—	—	6
Germany	---	---	5	5	—	—	0	—	—	—	0
Ghana	---	---	—	—	—	—	—	—	—	—	—
Gibraltar	---	---	—	—	—	—	2,025	40	1,600	—	3,665
Greece	---	---	1	—	—	—	—	—	—	—	—
Guatemala	---	---	0	—	—	—	4,343	404	1,332	—	6,079
Honduras	---	---	0	—	—	—	3,895	—	—	—	3,895
Hong Kong	---	---	0	—	—	—	—	—	—	—	—
India	---	---	2,467	—	—	—	66	—	15	—	80
Indonesia	---	---	0	0	—	—	1,349	—	—	—	1,349
Ireland	---	---	0	—	—	—	—	—	—	—	—
Israel	---	---	4	—	—	—	0	—	—	—	0
Italy	---	---	19	—	—	—	—	209	—	—	209
Jamaica	---	---	147	—	—	—	396	99	198	—	693
Japan	---	---	2	—	—	—	5	—	—	—	5
Korea, South	---	---	1,693	4	—	—	837	0	—	—	837
Lebanon	---	---	—	—	—	—	0	—	—	—	0
Mexico	---	---	340	1	—	—	41,407	134	245	—	41,786
Montenegro	---	---	—	—	—	—	—	—	—	—	—
Morocco	---	---	—	—	—	—	326	—	—	—	326
Mozambique	---	---	—	—	—	—	—	—	—	—	—
Netherlands	---	---	60	158	—	—	789	305	476	—	1,569
New Zealand	---	---	—	—	—	—	—	—	—	—	—
Nicaragua	---	---	0	—	—	—	489	20	589	—	1,098
Nigeria	---	---	486	—	—	—	1	—	—	—	1
Norway	---	---	69	—	—	—	81	—	—	—	81
Pakistan	---	---	—	—	—	—	—	—	—	—	—
Panama	---	---	0	—	—	—	7,799	1,606	113	—	9,518
Peru	---	---	391	133	—	—	10,369	0	299	—	10,668
Philippines	---	---	547	—	—	—	—	—	—	—	—
Portugal	---	---	—	—	—	—	0	—	—	—	0
Puerto Rico	---	---	18	—	—	—	3	0	0	—	3
Romania	---	---	—	—	—	—	—	—	—	—	—
Saudi Arabia	---	---	278	—	—	—	8	—	—	—	8
Serbia (Excludes Kosovo) ..	---	---	—	—	—	—	—	—	—	—	—
Singapore	---	---	74	3	—	—	3,557	—	25	—	3,582
South Africa	---	---	0	—	—	—	0	—	—	—	0
Spain	---	---	0	—	—	—	—	—	—	—	—
Switzerland	---	---	27	—	—	—	285	—	—	—	285
Taiwan	---	---	1	—	—	—	0	—	—	—	0
Thailand	---	---	0	—	—	—	1	—	—	—	1
Trinidad and Tobago	---	---	0	—	—	—	891	780	—	—	1,671
Turkey	---	---	86	—	—	—	—	—	—	—	—
United Arab Emirates	---	---	0	—	—	—	—	—	—	—	—
United Kingdom	---	---	114	—	—	—	2,487	—	—	—	2,487
Venezuela	---	---	0	—	—	—	23	—	—	—	23
Other	---	---	94	82	—	—	4,943	2,338	2,143	—	9,427
Total	---	---	13,964	1,689	—	—	123,628	11,015	10,195	—	144,838

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-May 2021
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina	—	—	—	51	—	—	—	—
Australia	0	—	—	0	—	0	—	—
Bahamas	—	—	—	442	—	1,017	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	0	—	—
Belize	—	—	—	12	—	—	—	—
Brazil	—	—	—	120	—	—	—	—
Canada	112	—	—	1,423	—	4,540	—	—
Cayman Islands	—	—	—	6	—	1	—	—
Chile	—	—	—	922	—	848	—	—
China	0	—	—	0	—	6	—	—
Colombia	6	—	—	1	—	—	—	—
Costa Rica	—	—	—	502	—	—	—	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	—	—	—	506	—	485	—	—
Ecuador	2	—	—	2	—	0	—	—
Egypt	0	—	—	—	—	—	—	—
El Salvador	0	—	—	97	—	0	—	—
Finland	—	—	—	—	—	0	—	—
France	—	—	—	—	—	0	—	—
Germany	—	—	—	—	—	4	—	—
Ghana	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—
Guatemala	—	—	—	371	—	—	—	—
Honduras	0	—	—	131	—	75	—	—
Hong Kong	—	—	—	—	—	0	—	—
India	—	—	—	0	—	4	—	—
Indonesia	—	—	—	—	—	0	—	—
Ireland	—	—	—	—	—	—	—	—
Israel	0	—	—	667	—	0	—	—
Italy	—	—	—	—	—	—	—	—
Jamaica	0	—	—	61	—	337	—	—
Japan	—	—	—	0	—	—	—	—
Korea, South	—	—	—	0	—	0	—	—
Lebanon	—	—	—	—	—	507	—	—
Mexico	543	—	—	4,799	—	2,325	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	0	—	—	—	—	781	—	—
New Zealand	0	—	—	0	—	0	—	—
Nicaragua	56	—	—	79	—	—	—	—
Nigeria	—	—	—	0	—	—	—	—
Norway	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—
Panama	0	—	—	729	—	728	—	—
Peru	5	—	—	198	—	1	—	—
Philippines	—	—	—	—	—	0	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	0	—	0	—	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	2	—	2,152	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	7	—	—	—	—	1,569	—	—
South Africa	—	—	—	—	—	0	—	—
Spain	—	—	—	—	—	—	—	—
Switzerland	—	—	—	—	—	—	—	—
Taiwan	—	—	—	0	—	0	—	—
Thailand	—	—	—	0	—	0	—	—
Trinidad and Tobago	—	—	—	0	—	—	—	—
Turkey	—	—	—	—	—	—	—	—
United Arab Emirates	1	—	—	2	—	0	—	—
United Kingdom	0	—	—	0	—	1	—	—
Venezuela	0	—	—	—	—	—	—	—
Other	4	—	—	698	—	961	—	—
Total	736	—	—	11,821	—	16,342	—	—

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-May 2021
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina	1	0	70	216	0	2,337	2,345	0	15	16
Australia	5	1,108	2	25	2	2,902	5,883	20	19	39
Bahamas	—	—	7	11	1	4,647	4,647	—	31	31
Bahrain	0	—	—	1	—	2	2	—	0	0
Belgium	0	469	0	2,182	4	6,506	7,748	8	43	51
Belize	—	—	—	5	—	525	525	—	3	3
Brazil	4	7,520	0	1,812	4	50,718	60,999	68	336	404
Canada	525	2,397	757	1,265	32	77,819	126,845	325	515	840
Cayman Islands	—	—	10	6	0	375	375	—	2	2
Chile	3	3	248	353	0	23,268	27,684	29	154	183
China	11	16,269	5	110	3	52,435	99,452	311	347	659
Colombia	1	0	1	544	2	11,813	14,675	19	78	97
Costa Rica	1	428	258	80	0	8,987	8,987	—	60	60
Denmark	0	353	—	0	—	556	3,346	18	4	22
Dominican Republic	1	726	217	87	1	11,145	14,601	23	74	97
Ecuador	0	1,284	0	224	0	13,199	13,199	—	87	87
Egypt	0	574	—	2	—	4,192	4,192	—	28	28
El Salvador	0	301	0	129	—	5,383	5,383	—	36	36
Finland	—	107	0	3	—	1,828	1,828	—	12	12
France	1	1,004	—	3	0	5,823	16,793	73	39	111
Germany	16	17	16	42	1	359	11,514	74	2	76
Ghana	—	—	—	2	—	2	2	—	0	0
Gibraltar	—	—	—	—	—	4,139	4,139	—	27	27
Greece	—	807	—	2	—	810	810	—	5	5
Guatemala	1	863	—	120	—	17,227	17,227	—	114	114
Honduras	0	520	114	64	0	9,821	9,821	—	65	65
Hong Kong	1	0	—	6	0	666	666	—	4	4
India	5	3,347	1	523	1	30,284	90,545	399	201	600
Indonesia	0	0	5	8	0	21,856	22,468	4	145	149
Ireland	—	352	—	2	0	355	3,535	21	2	23
Israel	0	429	—	81	0	1,247	1,247	—	8	8
Italy	6	3,063	0	3	1	4,322	20,366	106	29	135
Jamaica	0	0	0	34	1	1,922	1,922	—	13	13
Japan	3	7,076	4	52	19	75,581	77,591	13	501	514
Korea, South	1	3	2	37	2	27,364	74,373	311	181	493
Lebanon	—	—	—	4	—	511	511	—	3	3
Mexico	94	10,639	1,054	4,954	69	170,134	170,134	—	1,127	1,127
Montenegro	—	—	—	0	—	0	0	—	0	0
Morocco	—	1,852	—	0	—	8,885	8,885	—	59	59
Mozambique	—	359	—	0	—	360	360	—	2	2
Netherlands	31	1,882	7	80	1	19,370	62,883	288	128	416
New Zealand	0	215	197	4	—	416	416	—	3	3
Nicaragua	—	0	—	31	—	1,760	2,770	7	12	18
Nigeria	0	—	0	6	—	4,753	4,753	—	31	31
Norway	0	428	0	5	—	5,953	11,200	35	39	74
Pakistan	0	290	1	1	0	291	291	—	2	2
Panama	2	—	59	298	0	15,612	17,012	9	103	113
Peru	0	1	0	341	1	17,765	20,380	17	118	135
Philippines	0	0	0	10	1	1,084	1,084	—	7	7
Portugal	0	165	—	1	—	5,538	6,992	10	37	46
Puerto Rico	0	—	3	59	—	269	269	—	2	2
Romania	—	72	—	2	—	73	73	—	0	0
Saudi Arabia	0	140	—	30	—	2,617	2,617	—	17	17
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	0	0	1	145	0	13,025	31,478	122	86	208
South Africa	0	328	—	268	—	1,929	2,727	5	13	18
Spain	3	3,230	—	6	0	5,362	13,470	54	36	89
Switzerland	—	—	—	0	0	3,101	5,948	19	21	39
Taiwan	1	2	2	29	1	1,463	30,345	191	10	201
Thailand	1	—	2	20	1	38	6,567	43	0	43
Trinidad and Tobago	—	1	—	40	0	1,713	1,713	—	11	11
Turkey	0	2,898	0	143	1	10,172	10,172	—	67	67
United Arab Emirates	0	643	4	157	0	813	813	—	5	5
United Kingdom	5	246	0	5	3	9,300	41,028	210	62	272
Venezuela	—	—	—	22	—	49	49	—	0	0
Other	6	3,003	64	333	6	29,699	42,143	84	200	285
Total	729	75,414	3,111	15,028	158	812,470	1,252,818	2,916	5,381	8,297

-- = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, May 2021
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	686	-15	-	62	-	-6	-6	-	79	79
Algeria	7	-	-	12	-	-	-	-	-	-
Angola	42	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	162	-	-	17	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	117	-	-	1	-	0	0	-	-	-
Nigeria	104	-15	-	-	-	-10	-10	-	19	19
Saudi Arabia	255	0	-	32	-	4	4	-	60	60
United Arab Emirates	-	-	-	0	-	0	0	-	0	0
Venezuela	-	0	-	-	-	0	0	-	0	0
Non-OPEC	2,406	-2,161	17	175	-	-641	-641	227	519	746
Argentina	15	-	-	0	-	-	-	-	5	5
Aruba	-	-	-	-	-	-1	-1	-	-	-
Australia	-24	-18	-	0	-	-	-	0	-	0
Bahamas	-	-2	-	0	-	-12	-12	-	-	-
Bahrain	-	-	-	0	-	-	-	-	-	-
Belgium	-	-43	-	1	-	-	-	10	11	21
Brazil	17	-91	-	-43	-	-25	-25	-	53	53
Brunei	30	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	3,272	-190	17	-44	-	10	10	99	24	123
Chad	-	-	-	-	-	-	-	-	-	-
China	-350	-264	-	0	-	-	-	-	-	-
Colombia	171	0	-	-36	-	-29	-29	-	0	0
Denmark	-4	-	-	-	-	-	-	1	-	1
Dominican Republic	-16	-53	-	0	-	-17	-17	-	-	-
Ecuador	181	-34	-	14	-	-10	-10	-	0	0
Estonia	-	-	-	4	-	-	-	-	0	0
Finland	-	-17	-	-	-	0	0	-	2	2
France	-50	-23	-	-1	-	-	-	12	19	31
Germany	-107	-2	-	2	-	3	3	-	1	1
Guatemala	-	-5	-	0	-	-56	-56	-	0	0
Honduras	-	-19	-	0	-	-20	-20	-	-	-
India	-361	-132	-	-10	-	12	12	-	83	83
Indonesia	-	-104	-	0	-	-	-	-	-	-
Italy	-144	-	-	11	-	0	0	0	35	36
Japan	-	-384	-	-55	-	0	0	0	3	3
Korea, South	-239	-166	-	-57	-	21	21	0	42	42
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-24	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	0	-	-	-	-	-	-
Mexico	600	-139	-	23	-	-548	-548	0	-71	-71
Netherlands	-245	-66	-	-70	-	20	20	37	82	118
Norway	-22	-35	-	7	-	1	1	29	6	35
Oman	-	-	-	-	-	-	-	-	-	-
Panama	-	-2	-	0	-	-24	-24	-	-4	-4
Portugal	-	-20	-	-	-	1	1	17	14	31
Puerto Rico	-	-1	-	0	-	0	0	-	0	0
Qatar	-	-	-	0	-	0	0	0	-	0
Russia	277	-	-	396	-	40	40	3	66	69
Spain	-23	-25	-	-	-	9	9	1	43	44
Sweden	-	-29	-	-2	-	-	-	5	14	19
Trinidad and Tobago	35	0	-	0	-	0	0	-	-	-
United Kingdom	-232	-45	-	12	-	15	15	13	36	49
Vietnam	-	-34	-	-	-	-	-	0	0	0
Virgin Islands, U.S.	-23	-7	-	6	-	8	8	-	28	28
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-328	-211	0	17	-	-39	-39	0	27	27
Total	3,092	-2,176	17	237	-	-647	-647	227	599	825
Persian Gulf²	417	0	-	49	-	4	4	0	60	60

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, May 2021
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-8	-	-	-	34	-	-	-	34
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-5	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-3	-	-	-	26	-	-	-	26
United Arab Emirates	--	--	0	-	-	-	8	-	-	-	8
Venezuela	--	--	-	-	-	-	0	-	-	-	0
Non-OPEC	--	--	-47	-9	28	-	-679	-59	-40	-	-779
Argentina	--	--	-	-	-	-	-14	-10	-	-	-24
Aruba	--	--	0	-	-	-	-1	-	-	-	-1
Australia	--	--	0	-	-	-	-	-	-	-	-
Bahamas	--	--	0	-	-	-	-16	-	-	-	-16
Bahrain	--	--	0	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	25	-	-	-	25
Brazil	--	--	0	-	-	-	-119	-7	-	-	-126
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-21	-7	-	-	100	-10	-2	-	87
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-10	-	-	-	0	-	-	-	0
Colombia	--	--	-1	-	-	-	19	-	-	-	19
Denmark	--	--	-	-	-	-	-	-	-	-	-
Dominican Republic	--	--	0	-	-	-	-10	0	-9	-	-19
Ecuador	--	--	-	-	-	-	-11	-	-	-	-11
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	7	-	-	-	7
France	--	--	-1	-	-	-	8	-	-	-	8
Germany	--	--	-	0	-	-	0	-	-	-	0
Guatemala	--	--	0	-	-	-	-47	-	-	-	-47
Honduras	--	--	-	-	-	-	-34	-	-	-	-34
India	--	--	-3	-	-	-	-1	-	-	-	-1
Indonesia	--	--	-	0	-	-	0	-	-	-	0
Italy	--	--	0	-	-	-	-	-	-	-	-
Japan	--	--	0	-	-	-	0	-	-	-	0
Korea, South	--	--	-7	1	-	-	10	-	-	-	10
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	0	-	-	-	-	-	-	-	-
Mexico	--	--	-3	0	-	-	-324	-4	-7	-	-335
Netherlands	--	--	-	-1	-	-	3	-	-	-	3
Norway	--	--	-	-	-	-	0	-	-	-	0
Oman	--	--	-	-	-	-	0	-	-	-	0
Panama	--	--	-	-	-	-	-75	-6	-4	-	-84
Portugal	--	--	-	-	-	-	8	-	-	-	8
Puerto Rico	--	--	0	-	-	-	0	0	-	-	0
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	28	-	-	-	28
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-9	-	-	-9
United Kingdom	--	--	0	-	-	-	-43	-	-	-	-43
Vietnam	--	--	0	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	--	--	-	-	-	-	6	-	-2	-	4
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-1	-2	28	-	-198	-13	-16	-	-228
Total	--	--	-54	-9	28	-	-645	-59	-40	-	-745
Persian Gulf²	--	--	-3	-	-	-	34	-	-	-	34

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, May 2021
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
OPEC	-	-	-	33	1	-1	-	-
Algeria	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	2	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	-	-	-	0	-	-	-	-
Kuwait	-	-	-	14	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	6	1	-3	-	-
United Arab Emirates	-	-	-	13	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-
Non-OPEC	-	0	-	68	16	67	21	4
Argentina	-	-	-	0	-	-	-	-
Aruba	-	-	-	-3	-	-	-	-
Australia	-	-	-	-	-	0	-	-
Bahamas	-	-	-	-2	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	1	-	-	-
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-	0	-	2	3	-11	3	3
Chad	-	-	-	-	-	-	-	-
China	-	-	-	10	-	0	-	-
Colombia	-	-	-	-	-	1	-	-
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	-	-	-	-3	-	-6	-	-
Ecuador	-	-	-	0	-	1	-	-
Estonia	-	-	-	-	-	1	-	-
Finland	-	-	-	-	-	-	-	-
France	-	-	-	10	-	-	-	2
Germany	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-1	-	-	-	-
Honduras	-	-	-	-1	-	0	-	-
India	-	-	-	18	-	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	1	-	-	-	-
Japan	-	-	-	3	1	-	6	-
Korea, South	-	-	-	103	4	-	2	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-
Mexico	-	-	-	-40	1	63	7	-
Netherlands	-	-	-	-	-	2	-	-
Norway	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-
Panama	-	-	-	-9	-	-2	-	-
Portugal	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	0	-	0	-	-
Qatar	-	-	-	0	-	-	-	-
Russia	-	-	-	-	-	34	-	-
Spain	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	0	-	0	2	-
Vietnam	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-9	-	-
Yemen	-	-	-	-	-	-	-	-
Other	-	0	-	-20	6	-7	1	-1
Total	-	0	-	101	18	66	21	4
Persian Gulf²	-	-	-	33	1	-3	-	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, May 2021
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
OPEC	0	6	0	3	0	188	874
Algeria	—	—	—	0	—	12	19
Angola	—	—	—	—	—	—	42
Congo (Brazzaville)	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	0	—	0	0
Gabon	—	—	—	—	—	2	2
Iran	—	—	—	—	—	—	—
Iraq	—	—	—	0	—	17	178
Kuwait	0	—	—	0	—	14	14
Libya	—	—	—	0	—	1	118
Nigeria	—	—	—	0	—	-11	93
Saudi Arabia	0	9	—	0	—	134	389
United Arab Emirates	0	-4	0	4	0	20	20
Venezuela	—	—	—	0	—	0	0
Non-OPEC	1	-475	37	-50	-1	-2,981	-575
Argentina	—	7	-2	-1	0	-16	-1
Aruba	0	—	—	0	—	-5	-5
Australia	0	-13	0	0	0	-31	-55
Bahamas	—	—	0	0	0	-32	-32
Bahrain	0	—	—	7	—	7	7
Belgium	0	0	0	-17	0	-14	-14
Brazil	0	-38	0	-16	0	-285	-268
Brunei	—	—	—	0	—	0	30
Cameroon	—	-1	—	0	—	-1	-1
Canada	-1	-19	58	5	0	19	3,291
Chad	—	—	—	—	—	—	—
China	0	-100	0	-1	0	-365	-715
Colombia	0	0	0	-4	0	-51	120
Denmark	—	—	—	0	—	1	-3
Dominican Republic	0	—	—	-1	0	-99	-115
Ecuador	0	-13	0	-2	—	-54	127
Estonia	—	—	—	0	—	6	6
Finland	—	-3	0	0	—	-11	-11
France	0	-8	—	0	0	18	-32
Germany	0	0	0	0	0	4	-103
Guatemala	0	-8	—	-1	—	-118	-118
Honduras	0	-9	-2	0	—	-86	-86
India	0	-34	0	0	0	-69	-429
Indonesia	0	—	0	5	—	-99	-99
Italy	1	-15	—	0	—	33	-111
Japan	0	-52	0	-1	0	-478	-478
Korea, South	0	0	0	13	0	-34	-274
Latvia	—	—	—	0	—	0	0
Lithuania	—	—	—	0	—	0	-24
Malaysia	1	-14	—	0	0	-14	-14
Mexico	-1	-62	-9	-38	-1	-1,151	-552
Netherlands	0	-7	0	0	0	-1	-246
Norway	—	-3	0	0	—	4	-17
Oman	—	-2	—	0	—	-2	-2
Panama	0	—	—	-1	—	-126	-126
Portugal	—	—	—	—	—	20	20
Puerto Rico	0	—	0	0	—	-2	-2
Qatar	0	-4	—	16	—	12	12
Russia	0	—	0	0	—	567	844
Spain	0	-9	—	0	—	19	-4
Sweden	0	—	—	0	—	-12	-12
Trinidad and Tobago	—	—	—	0	0	-9	27
United Kingdom	0	-3	0	0	0	-13	-244
Vietnam	0	—	—	0	—	-35	-35
Virgin Islands, U.S.	—	—	0	0	—	30	8
Yemen	—	—	—	0	—	0	0
Other	1	-65	-8	-13	0	-508	-839
Total	1	-469	37	-48	-1	-2,793	299
Persian Gulf²	0	2	0	26	0	203	620

— = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-May 2021
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	670	-22	-	24	-	-4	-4	0	33	33
Algeria	35	-	-	3	-	0	0	-	2	2
Angola	32	-	-	-	-	-	-	-	4	4
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	1	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	0	0
Iran	7	-	-	-	-	-	-	-	-	-
Iraq	136	-	-	7	-	-	-	-	-	-
Kuwait	17	0	-	-	-	0	0	-	-	-
Libya	82	-	-	1	-	0	0	-	-	-
Nigeria	97	-23	-	1	-	-5	-5	-	11	11
Saudi Arabia	264	0	-	13	-	2	2	-	14	14
United Arab Emirates	-	0	-	0	-	0	0	-	2	2
Venezuela	-	0	-	0	-	0	0	0	0	0
Non-OPEC	2,178	-2,108	18	147	-	-637	-637	200	419	619
Argentina	16	0	-	-2	-	-	-	-	4	4
Aruba	-	0	-	0	-	-1	-1	-	-	-
Australia	-20	-11	-	0	-	0	0	0	0	0
Bahamas	-	-4	-	0	-	-4	-4	0	0	0
Bahrain	-	-	-	0	-	0	0	-	-	-
Belgium	-8	-19	-	-3	-	2	2	6	19	25
Brazil	-17	-63	-	-79	-	-23	-23	0	28	28
Brunei	19	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	0	0	-	-	-
Canada	3,337	-135	17	-45	-	7	7	110	21	131
Chad	-	-	-	-	-	-	-	-	-	-
China	-311	-223	-	0	-	0	0	-	0	0
Colombia	172	0	-	-30	-	-28	-28	0	-2	-2
Denmark	-18	-	-	-1	-	0	0	1	0	1
Dominican Republic	-23	-38	-	0	-	-8	-8	-	-	-
Ecuador	165	-39	-	6	-	-24	-24	-	0	0
Estonia	-	-	-	1	-	-	-	-	0	0
Finland	-	-10	-	1	-	1	1	-	28	28
France	-73	-30	-	-1	-	1	1	12	16	28
Germany	-74	-2	-	0	-	1	1	-	1	1
Guatemala	2	-13	-	0	-	-52	-52	-	0	0
Honduras	-	-16	-	0	-	-17	-17	-	0	0
India	-399	-156	-	-2	-	5	5	-	54	54
Indonesia	-4	-136	-	0	-	-	-	-	-	-
Italy	-106	-7	-	4	-	5	5	0	28	28
Japan	-13	-402	-	-50	-	0	0	0	2	2
Korea, South	-311	-127	-	-36	-	8	8	0	22	22
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-5	-	-	-	-	2	2	-	0	0
Malaysia	-	-	-	0	-	0	0	-	-	-
Mexico	569	-167	0	26	-	-463	-463	0	-41	-41
Netherlands	-288	-65	-	-32	-	20	20	34	52	86
Norway	10	-31	-	3	-	1	1	10	4	13
Oman	-	-	-	0	-	-	-	-	0	0
Panama	-9	-2	-	0	-	-25	-25	0	-1	-1
Portugal	-10	-36	-	-	-	1	1	9	23	32
Puerto Rico	-	-1	-	0	-	0	0	0	0	0
Qatar	-	-	-	0	-	0	0	0	-	0
Russia	165	0	-	375	-	19	19	1	52	53
Spain	-54	-14	-	0	-	4	4	0	27	27
Sweden	-10	-13	-	-1	-	1	1	1	14	15
Trinidad and Tobago	38	0	-	0	-	0	0	-	-	-
United Kingdom	-177	-35	-	-2	-	3	3	15	20	36
Vietnam	-3	-7	-	0	-	0	0	0	0	0
Virgin Islands, U.S.	-56	-6	-	10	-	0	0	-	11	11
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-326	-300	1	5	-	-73	-73	1	37	38
Total	2,848	-2,130	18	171	-	-640	-640	200	452	652
Persian Gulf²	424	0	-	20	-	2	2	0	16	16

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-May 2021
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-5	-	-	-	37	-	-	-	37
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	0	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	0	-	-	-	0
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	0	-	-	-	0
Kuwait	--	--	0	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	0	-	-	-	0
Nigeria	--	--	-3	-	-	-	10	-	-	-	10
Saudi Arabia	--	--	-2	-	-	-	19	-	-	-	19
United Arab Emirates	--	--	0	-	-	-	8	-	-	-	8
Venezuela	--	--	0	-	-	-	0	-	-	-	0
Non-OPEC	--	--	-87	0	28	-	-532	-69	-65	-	-666
Argentina	--	--	0	-	-	-	-7	-4	-	-	-11
Aruba	--	--	0	-	-	-	0	-	0	-	-1
Australia	--	--	0	0	-	-	0	-	-	-	0
Bahamas	--	--	0	-	-	-	-7	-	-6	-	-12
Bahrain	--	--	0	-	-	-	2	-	-	-	2
Belgium	--	--	0	-	-	-	8	-	-	-	8
Brazil	--	--	-5	-	-	-	-88	-11	-1	-	-99
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-20	-1	-	-	139	-14	-3	-	123
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-16	-	-	-	0	-	0	-	0
Colombia	--	--	-3	-	-	-	12	-	-	-	12
Denmark	--	--	-	-	-	-	0	0	-	-	-1
Dominican Republic	--	--	0	-	-	-	-8	0	-6	-	-14
Ecuador	--	--	0	-	-	-	-8	-3	-1	-	-12
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-2	-	-	-	1	-	-	-	1
France	--	--	-1	-	-	-	2	-	-	-	2
Germany	--	--	0	2	-	-	0	-	-	-	0
Guatemala	--	--	0	-	-	-	-29	-3	-9	-	-40
Honduras	--	--	0	-	-	-	-26	-	-	-	-26
India	--	--	-16	-	-	-	23	-	0	-	22
Indonesia	--	--	0	0	-	-	-8	-	-	-	-8
Italy	--	--	0	-	-	-	-	-1	-	-	-1
Japan	--	--	0	-	-	-	0	-	-	-	0
Korea, South	--	--	-11	1	-	-	0	4	-	-	4
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	0	-	-	-	0
Malaysia	--	--	0	-	-	-	-7	-	-	-	-7
Mexico	--	--	-2	0	-	-	-274	-1	-2	-	-276
Netherlands	--	--	0	-1	-	-	20	-2	-3	-	15
Norway	--	--	0	-	-	-	-1	-	-	-	-1
Oman	--	--	0	-	-	-	10	-	-	-	10
Panama	--	--	0	-	-	-	-52	-11	-1	-	-63
Portugal	--	--	-	-	-	-	2	-	-	-	2
Puerto Rico	--	--	0	-	-	-	0	0	0	-	0
Qatar	--	--	0	-	-	-	8	-	-	-	8
Russia	--	--	-	-	-	-	27	0	-	-	27
Spain	--	--	0	0	-	-	-	-	-	-	-
Sweden	--	--	-1	-	-	-	0	-	-	-	0
Trinidad and Tobago	--	--	0	-	-	-	-6	-5	-	-	-11
United Kingdom	--	--	-1	-	-	-	-16	-	-	-	-16
Vietnam	--	--	0	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	--	--	0	-	-	-	-1	-3	1	-	-3
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-9	-1	28	-	-248	-15	-34	-	-300
Total	--	--	-92	0	28	-	-495	-69	-65	-	-629
Persian Gulf²	--	--	-2	-	-	-	37	-	-	-	37

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-May 2021
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
OPEC	0	-	-	19	1	-13	0	-
Algeria	-	-	-	5	-	0	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	1	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	-	-	-
Kuwait	-	-	-	4	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	0	-	-	0	-
Saudi Arabia	-	-	-	1	1	-14	-	-
United Arab Emirates	0	-	-	9	-	0	-	-
Venezuela	0	-	-	-	-	-	-	-
Non-OPEC	-5	1	-	36	11	67	15	4
Argentina	-	-	-	0	-	-	-	0
Aruba	0	-	-	-1	-	-	-	-
Australia	0	-	-	0	-	0	-	-
Bahamas	-	-	-	-3	-	-4	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	0	0	-
Brazil	-	-	-	-1	1	2	-	-
Brunei	-	-	-	2	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-1	0	-	1	2	-12	3	2
Chad	-	-	-	-	-	-	-	-
China	0	-	-	2	-	0	-	-
Colombia	0	-	-	1	-	3	-	-
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	-	-	-	-3	-	-3	-	-
Ecuador	0	-	-	0	-	4	-	-
Estonia	-	0	-	-	-	1	-	-
Finland	-	-	-	-	-	0	-	-
France	-	-	-	2	-	0	0	1
Germany	-	-	-	-	-	0	-	-
Guatemala	-	-	-	-2	-	-	-	-
Honduras	0	-	-	-1	-	0	-	-
India	-	-	-	8	1	3	-	-
Indonesia	-	-	-	-	-	0	-	-
Italy	-	-	-	4	-	-	-	-
Japan	-	-	-	1	1	-	2	-
Korea, South	-	-	-	79	4	0	1	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	0	-	-	-	-	0	-	-
Mexico	-4	-	-	-32	0	43	5	-
Netherlands	0	0	-	-	-	-2	-	-
Norway	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-5	-	-3	-	-
Portugal	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	0	-	0	-	-
Qatar	0	-	-	0	-	0	-	-
Russia	-	-	-	-	-	39	0	-
Spain	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	0	-	-	-	-
United Kingdom	0	-	-	0	-	0	1	-
Vietnam	0	-	-	0	-	-	-	-
Virgin Islands, U.S.	0	-	-	3	-	7	1	-
Yemen	-	-	-	-	-	-	-	-
Other	0	1	-	-19	2	-11	2	1
Total	-5	1	-	55	11	54	16	4
Persian Gulf²	0	-	-	14	1	-14	-	-

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-May 2021
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
OPEC	0	-2	0	3	0	72	742
Algeria	—	—	—	0	—	10	45
Angola	—	—	—	0	—	4	36
Congo (Brazzaville)	—	—	—	—	—	—	0
Equatorial Guinea	—	0	—	0	—	1	1
Gabon	—	—	—	—	—	1	1
Iran	—	—	—	—	—	—	7
Iraq	—	—	—	0	—	7	143
Kuwait	0	1	—	0	—	5	21
Libya	—	—	—	0	—	1	82
Nigeria	0	—	0	0	—	-10	87
Saudi Arabia	0	1	—	0	—	36	300
United Arab Emirates	0	-4	0	3	0	18	18
Venezuela	—	—	—	0	—	0	0
Non-OPEC	2	-485	26	-56	-1	-3,070	-892
Argentina	0	4	0	-1	0	-6	10
Aruba	0	—	0	0	—	-4	-4
Australia	0	-7	0	0	0	-19	-39
Bahamas	—	—	0	0	0	-28	-28
Bahrain	0	—	—	3	—	5	5
Belgium	0	-3	0	-14	0	-4	-13
Brazil	0	-48	0	-12	0	-299	-317
Brunei	—	—	—	0	—	2	21
Cameroon	—	-1	0	0	—	-1	-1
Canada	-1	-15	40	3	0	101	3,439
Chad	—	—	—	0	—	0	0
China	1	-108	0	-1	0	-344	-656
Colombia	0	0	1	-4	0	-50	122
Denmark	0	-2	—	0	—	-2	-20
Dominican Republic	0	-5	-1	-1	0	-74	-97
Ecuador	0	-9	0	-1	0	-75	90
Estonia	—	—	—	0	—	2	2
Finland	—	-1	0	0	—	19	19
France	0	-7	—	0	0	-4	-77
Germany	0	0	0	0	0	3	-71
Guatemala	0	-6	—	-1	—	-114	-112
Honduras	0	-3	-1	0	0	-65	-65
India	0	-22	0	-3	0	-106	-505
Indonesia	0	0	0	3	0	-141	-145
Italy	0	-20	0	0	0	14	-92
Japan	0	-47	0	0	0	-493	-506
Korea, South	0	0	0	8	0	-47	-358
Latvia	0	—	—	0	—	0	0
Lithuania	0	0	—	0	0	2	-3
Malaysia	1	-3	0	0	0	-10	-10
Mexico	-1	-70	-7	-33	0	-1,022	-453
Netherlands	0	-12	0	1	0	10	-278
Norway	0	-3	0	0	—	-17	-7
Oman	—	0	—	0	—	11	11
Panama	0	—	0	-2	0	-102	-111
Portugal	0	-1	—	0	—	-2	-12
Puerto Rico	0	—	0	0	—	-2	-2
Qatar	0	-2	—	12	—	18	18
Russia	0	1	0	0	—	514	679
Spain	0	-21	1	0	0	-3	-57
Sweden	0	0	—	0	0	2	-8
Trinidad and Tobago	—	0	—	0	0	-11	27
United Kingdom	0	-2	0	0	0	-16	-193
Vietnam	0	0	0	0	0	-7	-11
Virgin Islands, U.S.	—	—	0	0	0	23	-33
Yemen	—	—	—	0	—	0	0
Other	2	-72	-7	-13	-1	-728	-1,051
Total	2	-487	26	-52	-1	-2,998	-150
Persian Gulf²	0	-4	0	19	0	88	512

— = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, May 2021
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	8,639	133,921	888,328	25,310	47,981	1,104,179
Refinery	6,383	14,121	46,379	2,524	20,340	89,747
Tank Farms and Pipelines (Includes Cushing, OK)	2,256	119,800	214,364	22,786	24,283	383,489
Cushing, Oklahoma	--	46,048	--	--	--	46,048
Leases	--	--	--	--	--	--
Strategic Petroleum Reserve ¹	--	--	627,585	--	--	627,585
Alaskan In Transit	--	--	--	--	3,358	3,358
Total Stocks, All Oils (excluding Crude Oil)²	154,350	166,537	381,667	24,871	89,671	817,097
Refinery	11,596	46,845	119,240	11,264	46,761	235,706
Bulk Terminal	112,980	80,613	201,538	6,873	37,860	439,865
Pipeline	29,482	37,635	59,697	6,516	4,669	137,999
Natural Gas Processing Plant	292	1,444	1,192	218	381	3,527
Natural Gas Liquids	8,907	38,711	127,654	5,975	3,386	184,634
Refinery	338	3,103	5,377	295	1,480	10,593
Bulk Terminal	6,175	18,103	100,225	1,004	1,525	127,033
Pipeline	2,102	16,061	20,860	4,458	--	43,481
Natural Gas Processing Plant	292	1,444	1,192	218	381	3,527
Ethane	1,241	6,341	58,362	1,289	--	67,233
Refinery	--	--	13	--	--	13
Bulk Terminal	734	2,809	50,382	--	--	53,925
Pipeline	507	3,389	7,828	1,284	--	13,008
Natural Gas Processing Plant	--	143	139	5	--	287
Propane	5,594	12,271	27,430	2,039	1,296	48,630
Refinery	93	824	822	36	108	1,883
Bulk Terminal	4,119	6,984	19,938	289	1,095	32,425
Pipeline	1,237	3,810	6,467	1,610	--	13,124
Natural Gas Processing Plant	145	653	203	104	93	1,198
Normal Butane	1,617	8,773	23,160	1,527	1,616	36,693
Refinery	155	1,539	3,002	153	1,001	5,850
Bulk Terminal	1,138	5,764	17,404	707	422	25,435
Pipeline	270	1,349	2,610	623	--	4,852
Natural Gas Processing Plant	54	121	144	44	193	556
Isobutane	150	2,176	6,661	420	422	9,829
Refinery	90	483	1,028	94	369	2,064
Bulk Terminal	--	676	4,375	--	6	5,057
Pipeline	45	766	1,183	309	--	2,303
Natural Gas Processing Plant	15	251	75	17	47	405
Natural Gasoline	305	9,150	12,041	700	52	22,249
Refinery	--	257	512	12	2	783
Bulk Terminal	184	1,870	8,126	8	2	10,191
Pipeline	43	6,747	2,772	632	--	10,194
Natural Gas Processing Plant	78	276	631	48	48	1,081
Refinery Olefins	167	498	1,046	151	119	1,981
Refinery	167	498	1,046	151	119	1,981
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Ethylene	--	--	0	--	--	0
Refinery	--	--	0	--	--	0
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Propylene	101	349	645	3	8	1,106
Refinery	101	349	645	3	8	1,106
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Normal Butylene	44	149	367	148	111	819
Refinery	44	149	367	148	111	819
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Isobutylene	22	0	34	0	0	56
Refinery	22	0	34	0	0	56
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Other Hydrocarbons	--	8	--	--	--	8
Refinery	--	8	--	--	--	8
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--
Refinery	--	--	--	--	--	--
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, May 2021
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
MTBE	--	--	--	--	--	--
Refinery	--	--	--	--	--	--
Bulk Terminal ³	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Other Oxygenates⁴	--	--	--	--	--	--
Refinery	--	--	--	--	--	--
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	7,293	10,269	5,473	477	4,165	27,677
Refinery	198	142	326	133	580	1,379
Bulk Terminal	7,095	10,127	5,147	340	3,585	26,294
Pipeline	--	--	--	4	--	4
Fuel Ethanol²	6,177	9,065	4,046	356	2,369	22,013
Refinery	191	105	193	123	164	776
Bulk Terminal	5,986	8,960	3,853	229	2,205	21,233
Pipeline	--	--	--	4	--	4
Renewable Diesel Fuel⁵	1,116	1,179	1,421	121	1,708	5,545
Refinery	7	37	133	10	388	575
Bulk Terminal	1,109	1,142	1,288	111	1,320	4,970
Pipeline	--	--	--	--	--	--
Other Renewable Fuels	--	24	6	--	89	119
Refinery	--	--	--	--	28	28
Bulk Terminal	--	24	6	--	61	91
Pipeline	--	--	--	--	--	--
Unfinished Oils	4,193	13,177	50,816	3,830	18,756	90,772
Naphthas and Lighter	1,026	3,294	11,148	1,039	3,020	19,527
Refinery	1,003	3,273	10,069	1,039	2,824	18,208
Bulk Terminal	23	21	1,079	--	196	1,319
Kerosene and Light Gas Oils	384	2,413	9,636	699	3,495	16,627
Refinery	375	2,413	7,140	699	3,367	13,994
Bulk Terminal	9	--	2,496	--	128	2,633
Heavy Gas Oils	2,054	5,159	23,930	1,552	9,748	42,443
Refinery	1,770	5,059	20,194	1,552	9,202	37,777
Bulk Terminal	284	100	3,736	--	546	4,666
Residuum	729	2,311	6,102	540	2,493	12,175
Refinery	729	2,311	5,522	540	2,493	11,595
Bulk Terminal	--	--	580	--	--	580
Motor Gasoline Blending Components²	63,214	42,604	81,030	5,682	26,962	219,492
Refinery	3,307	12,067	26,905	2,939	12,871	58,089
Bulk Terminal	47,287	21,152	35,448	1,788	11,769	117,444
Pipeline	12,620	9,385	18,677	955	2,322	43,959
Reformulated - RBOB	21,453	5,547	11,183	--	12,933	51,116
Refinery	1,097	838	1,959	--	4,154	8,048
Bulk Terminal	15,895	2,714	4,715	--	7,249	30,573
Pipeline	4,461	1,995	4,509	--	1,530	12,495
Conventional	41,761	37,057	69,847	5,682	14,029	168,376
Refinery	2,210	11,229	24,946	2,939	8,717	50,041
Bulk Terminal	31,392	18,438	30,733	1,788	4,520	86,871
Pipeline	8,159	7,390	14,168	955	792	31,464
CBOB	28,986	29,980	36,619	4,477	7,298	107,360
Refinery	457	5,389	10,233	1,737	2,546	20,362
Bulk Terminal	20,370	17,495	12,509	1,785	3,962	56,121
Pipeline	8,159	7,096	13,877	955	790	30,877
GTAB	1,320	--	--	--	--	1,320
Refinery	--	--	--	--	--	--
Bulk Terminal	1,320	--	--	--	--	1,320
Pipeline	--	--	--	--	--	--
Other	11,455	7,077	33,228	1,205	6,731	59,696
Refinery	1,753	5,840	14,713	1,202	6,171	29,679
Bulk Terminal	9,702	943	18,224	3	558	29,430
Pipeline	--	294	291	--	2	587
Aviation Gasoline Blending Components	--	--	21	--	--	21
Refinery	--	--	21	--	--	21
Bulk Terminal	--	--	--	--	--	--
Finished Motor Gasoline	3,206	5,160	7,824	1,576	2,594	20,361
Refinery	17	1,087	3,553	784	909	6,350
Bulk Terminal	1,273	1,530	3,124	592	1,587	8,107
Pipeline	1,916	2,543	1,147	200	98	5,904
Reformulated	6	--	--	--	18	24
Refinery	--	--	--	--	18	18
Bulk Terminal	6	--	--	--	--	6
Pipeline	--	--	--	--	--	--
Reformulated (Blended with Fuel Ethanol)	6	--	--	--	18	24
Refinery	--	--	--	--	18	18
Bulk Terminal	6	--	--	--	--	6
Pipeline	--	--	--	--	--	--

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, May 2021
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Reformulated (Other)	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Conventional	3,200	5,160	7,824	1,576	2,576	20,337
Refinery	17	1,087	3,553	784	891	6,332
Bulk Terminal	1,267	1,530	3,124	592	1,587	8,101
Pipeline	1,916	2,543	1,147	200	98	5,904
Conventional (Blended with Fuel Ethanol)	—	145	—	65	11	222
Refinery	—	—	—	63	—	63
Bulk Terminal	—	145	—	2	11	159
Pipeline	—	—	—	—	—	—
Ed55 and Lower	—	145	—	65	—	210
Refinery	—	—	—	63	—	63
Bulk Terminal	—	145	—	2	—	147
Pipeline	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	11	11
Pipeline	—	—	—	—	—	—
Conventional (Other)	3,200	5,015	7,824	1,511	2,565	20,115
Refinery	17	1,087	3,553	721	891	6,269
Bulk Terminal	1,267	1,385	3,124	590	1,576	7,942
Pipeline	1,916	2,543	1,147	200	98	5,904
Finished Aviation Gasoline	184	167	431	9	337	1,128
Refinery	—	65	301	9	203	578
Bulk Terminal	184	102	130	—	134	550
Pipeline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	9,994	6,601	16,205	753	9,802	43,355
Refinery	476	1,739	5,446	308	3,360	11,329
Bulk Terminal	5,692	3,415	6,379	360	5,754	21,600
Pipeline	3,826	1,447	4,380	85	688	10,426
Kerosene	1,371	102	174	1	7	1,655
Refinery	103	84	137	1	1	326
Bulk Terminal	1,264	18	37	—	6	1,325
Pipeline	4	—	—	—	—	4
Distillate Fuel Oil²	39,615	30,040	53,413	3,794	13,099	139,961
Refinery	1,355	6,210	16,347	1,612	4,766	30,290
Bulk Terminal	29,246	15,631	22,433	1,368	6,772	75,450
Pipeline	9,014	8,199	14,633	814	1,561	34,221
15 ppm sulfur and Under	36,055	29,219	45,832	3,588	12,163	126,857
Refinery	1,044	5,712	13,239	1,466	4,158	25,619
Bulk Terminal	26,835	15,488	18,762	1,308	6,529	68,922
Pipeline	8,176	8,019	13,831	814	1,476	32,316
Greater than 15 ppm to 500 ppm sulfur	957	359	1,474	167	296	3,253
Refinery	87	60	949	107	274	1,477
Bulk Terminal	870	126	463	60	1	1,520
Pipeline	—	173	62	—	21	256
Greater than 500 ppm sulfur	2,603	462	6,107	39	640	9,851
Refinery	224	438	2,159	39	334	3,194
Bulk Terminal	1,541	17	3,208	—	242	5,008
Pipeline	838	7	740	—	64	1,649
Residual Fuel Oil	7,425	1,328	16,999	207	5,724	31,683
Refinery	386	1,227	3,079	207	1,989	6,888
Bulk Terminal	7,039	101	13,920	—	3,735	24,795
Pipeline	—	—	—	—	—	—
Less than 0.31% Sulfur	544	30	1,947	29	2,089	4,639
Refinery	14	24	62	29	30	159
Bulk Terminal	530	6	1,885	—	2,059	4,480
0.31% to 1.00% Sulfur	1,629	317	4,972	4	650	7,572
Refinery	143	314	567	4	261	1,289
Bulk Terminal	1,486	3	4,405	—	389	6,283
Greater than 1.00% Percent Sulfur	5,252	981	10,080	174	2,985	19,472
Refinery	229	889	2,450	174	1,698	5,440
Bulk Terminal	5,023	92	7,630	—	1,287	14,032
Petrochemical Feedstocks	—	521	2,637	—	2	3,160
Refinery	—	521	2,637	—	2	3,160
Naphtha for Petrochemical Feedstock Use	—	418	1,930	—	2	2,350
Other Oils for Petrochemical Feedstock Use	—	103	707	—	—	810
Special Naphthas	48	178	852	—	31	1,109
Refinery	31	97	847	—	31	1,006
Bulk Terminal	17	81	5	—	—	103
Lubricants	871	666	6,867	—	744	9,148
Refinery	454	243	3,990	—	556	5,243
Bulk Terminal	417	423	2,877	—	188	3,905
Waxes	219	42	263	—	—	524
Refinery	219	42	263	—	—	524
Petroleum Coke	—	1,791	3,412	225	1,097	6,525
Refinery	—	1,791	3,412	225	1,097	6,525
Asphalt and Road Oil	7,583	14,591	6,137	2,182	2,752	33,245
Refinery	610	4,782	2,215	760	818	9,185
Bulk Terminal	6,973	9,809	3,922	1,422	1,934	24,060

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, May 2021
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Miscellaneous Products	60	83	413	10	93	659
Refinery	58	83	413	10	93	657
Bulk Terminal	2	—	—	—	—	2
Pipeline	—	—	—	—	—	—
Total Stocks, All Oils	162,989	300,458	1,269,995	50,181	137,652	1,921,276

— = Not Applicable.

— = No Data Reported.

Lease stocks were excluded from crude oil stocks beginning with data for July 2016 (see explanatory notes).

¹ Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

² Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

³ Includes stocks held at fuel ethanol production facilities.

⁴ Includes stocks held by merchant producers.

⁵ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

⁶ Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Stocks are reported as of the last day of the month.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene."

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, May 2021
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components ¹			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	6	1,284	1,290	16,992	33,602	50,594	1,367
Connecticut	—	—	—	1,501	23	1,524	32
Delaware	—	—	—	615	625	1,240	55
District of Columbia	—	—	—	—	—	—	—
Florida	—	866	866	—	6,120	6,120	—
Georgia	—	115	115	—	2,794	2,794	—
Maine	—	—	—	423	403	826	98
Maryland	—	—	—	1,870	100	1,970	55
Massachusetts	5	—	5	1,515	—	1,515	15
New Hampshire	—	—	—	—	—	—	—
New Jersey	—	33	33	6,604	11,574	18,178	330
New York	1	11	12	982	2,153	3,135	489
North Carolina	—	89	89	—	2,422	2,422	162
Pennsylvania	—	7	7	737	4,524	5,261	95
Rhode Island	—	—	—	843	13	856	—
South Carolina	—	113	113	—	1,484	1,484	7
Vermont	—	—	—	—	27	27	5
Virginia	—	23	23	1,902	1,205	3,107	24
West Virginia	—	27	27	—	135	135	—
PAD District 2	—	2,617	2,617	3,552	29,667	33,219	102
Illinois	—	178	178	1,966	4,256	6,222	71
Indiana	—	174	174	477	3,913	4,390	—
Iowa	—	48	48	—	1,365	1,365	—
Kansas	—	140	140	—	2,791	2,791	14
Kentucky	—	248	248	369	1,095	1,464	—
Michigan	—	128	128	71	2,357	2,428	—
Minnesota	—	382	382	1	1,815	1,816	—
Missouri	—	122	122	131	747	878	—
Nebraska	—	30	30	—	563	563	—
North Dakota	—	87	87	—	749	749	—
Ohio	—	666	666	—	3,196	3,196	7
Oklahoma	—	269	269	—	3,031	3,031	—
South Dakota	—	18	18	—	391	391	—
Tennessee	—	54	54	—	2,057	2,057	—
Wisconsin	—	73	73	537	1,341	1,878	10
PAD District 3	—	6,677	6,677	6,674	55,679	62,353	174
Alabama	—	135	135	27	1,180	1,207	5
Arkansas	—	107	107	—	991	991	—
Louisiana	—	1,820	1,820	474	11,948	12,422	102
Mississippi	—	590	590	11	1,903	1,914	—
New Mexico	—	20	20	15	508	523	—
Texas	—	4,005	4,005	6,147	39,149	45,296	67
PAD District 4	—	1,376	1,376	—	4,727	4,727	1
Colorado	—	256	256	—	1,213	1,213	—
Idaho	—	209	209	—	190	190	—
Montana	—	401	401	—	1,156	1,156	—
Utah	—	87	87	—	1,238	1,238	1
Wyoming	—	423	423	—	930	930	—
PAD District 5	18	2,478	2,496	11,403	13,237	24,640	7
Alaska	—	790	790	—	—	—	6
Arizona	—	88	88	800	356	1,156	—
California	18	369	387	10,482	6,783	17,265	1
Hawaii	—	237	237	—	591	591	—
Nevada	—	181	181	12	410	422	—
Oregon	—	78	78	—	1,561	1,561	—
Washington	—	735	735	109	3,536	3,645	—
U.S. Total	24	14,433	14,457	38,621	136,912	175,533	1,651

See footnotes at end of table.

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, May 2021
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil ¹				Residual Fuel Oil	Propane
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
PAD District 1	27,879	957	1,765	30,601	7,425	4,357
Connecticut	2,067	—	—	2,067	18	—
Delaware	680	31	73	784	752	8
District of Columbia	—	—	—	—	—	—
Florida	1,870	193	—	2,063	1,380	103
Georgia	1,388	—	—	1,388	279	15
Maine	1,969	—	16	1,985	42	—
Maryland	1,416	—	—	1,416	338	1
Massachusetts	1,443	38	40	1,521	98	—
New Hampshire	377	—	—	377	18	134
New Jersey	5,887	444	899	7,230	3,850	59
New York	3,187	—	151	3,338	199	640
North Carolina	1,040	—	—	1,040	—	64
Pennsylvania	3,298	—	131	3,429	229	3,129
Rhode Island	956	—	—	956	—	—
South Carolina	902	—	—	902	75	89
Vermont	40	—	—	40	—	—
Virginia	1,239	198	455	1,892	147	3
West Virginia	120	53	—	173	—	91
PAD District 2	21,200	186	455	21,841	1,328	8,461
Illinois	3,068	—	4	3,072	479	688
Indiana	2,395	—	71	2,466	55	331
Iowa	2,019	2	—	2,021	—	244
Kansas	2,119	—	—	2,119	47	2,999
Kentucky	781	8	—	789	—	249
Michigan	1,067	86	—	1,153	78	2,907
Minnesota	1,383	—	51	1,434	306	188
Missouri	694	22	2	718	—	116
Nebraska	744	—	—	744	—	76
North Dakota	732	1	—	733	32	59
Ohio	1,876	8	77	1,961	149	475
Oklahoma	1,755	59	250	2,064	59	57
South Dakota	466	—	—	466	—	26
Tennessee	1,236	—	—	1,236	105	5
Wisconsin	864	—	—	864	18	41
PAD District 3	32,001	1,412	5,367	38,780	16,999	20,963
Alabama	996	7	41	1,044	257	20
Arkansas	826	—	—	826	—	51
Louisiana	4,960	619	1,632	7,211	8,845	1,407
Mississippi	759	482	142	1,383	378	1,514
New Mexico	269	—	—	269	72	3
Texas	24,191	304	3,552	28,047	7,447	17,968
PAD District 4	2,774	167	39	2,980	207	429
Colorado	427	—	—	427	3	25
Idaho	357	—	—	357	—	—
Montana	823	80	—	903	69	26
Utah	634	10	39	683	58	297
Wyoming	533	77	—	610	77	81
PAD District 5	10,687	275	576	11,538	5,724	1,296
Alaska	792	—	39	831	147	4
Arizona	938	—	—	938	—	602
California	5,795	274	258	6,327	3,799	277
Hawaii	278	1	276	555	549	93
Nevada	314	—	3	317	—	—
Oregon	693	—	—	693	132	—
Washington	1,877	—	—	1,877	1,097	320
U.S. Total	94,541	2,997	8,202	105,740	31,683	35,506

— = No Data Reported.

¹ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Note: Stocks are reported as of the last day of the month.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, May 2021
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	234	169	0	2,465	49,795	7,353	3,922	1,336	19,949
Petroleum Products	16,544	216	8	20,825	44,564	12,659	6,336	87,949	25,804
Natural Gas Liquids	7,106	194	0	7,514	33,268	8,497	549	812	6,565
Ethane	4,863	0	—	0	13,818	2,039	—	0	596
Propane	1,264	16	0	5,381	10,929	3,415	322	812	509
Normal Butane	222	169	0	2,077	4,447	1,385	146	0	157
Isobutane	409	9	0	56	1,418	487	81	0	590
Natural Gasoline	348	0	—	0	2,656	1,171	—	0	4,713
Refinery Olefins	0	0	—	287	566	—	—	0	0
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	0	0	—	287	566	—	—	0	0
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	42	0	—	0	464	—	—	0	623
Motor Gasoline Blending Components	6,262	0	0	1,022	1,996	2,118	0	53,520	8,374
Reformulated - RBOB	40	0	0	0	0	—	0	6,506	4,953
Conventional	6,222	0	0	1,022	1,996	2,118	0	47,014	3,421
CBOB	6,222	0	0	1,022	1,678	2,118	0	47,014	2,939
GTAB	—	—	—	—	—	—	—	—	—
Other	0	0	—	—	318	—	—	—	482
Renewable Fuels	32	0	6	8,760	5,239	476	5,487	349	0
Fuel Ethanol	0	0	0	8,668	4,892	466	5,128	349	0
Renewable Diesel Fuel ²	32	0	6	92	347	10	359	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	83	0	0	980	174	97	0	1,917	1,666
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	83	0	0	980	174	97	0	1,917	1,666
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	83	0	0	980	174	97	0	1,917	1,666
Finished Aviation Gasoline	0	0	—	0	0	—	—	115	15
Kerosene-Type Jet Fuel	247	0	0	135	50	521	0	9,784	1,253
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	2,772	0	0	977	903	930	0	20,764	6,873
15 ppm sulfur and under	2,772	0	0	977	903	930	0	20,357	6,769
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—	—	1	104
Greater than 500 ppm sulfur	—	0	—	0	0	—	—	406	—
Residual Fuel Oil	0	0	—	—	509	—	—	—	0
Petrochemical Feedstocks	0	0	—	0	204	—	—	82	0
Naphtha for Petrochemical Feedstock Use	0	0	—	0	204	—	—	82	0
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	0	0	—	—	0	—	—	—	48
Lubricants	0	10	—	0	9	—	—	331	166
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	12	0	401	792	20	36	3	23
Asphalt and Road Oil	0	0	3	750	390	0	264	272	189
Miscellaneous Products	0	0	—	—	0	—	—	—	10
Total	16,778	385	8	23,289	94,359	20,012	10,258	89,285	45,753

See footnotes at end of table.

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, May 2021
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
Crude Oil	0	13	0	25,201	601	0	0	0	0
Petroleum Products	0	6,027	0	16,441	3,383	2,017	9	28	34
Natural Gas Liquids	0	6	0	15,104	3,224	35	0	0	0
Ethane	0	—	0	4,430	1,407	—	0	0	0
Propane	0	0	0	5,550	815	18	0	0	0
Normal Butane	0	4	0	2,245	303	17	0	0	0
Isobutane	0	2	0	926	241	0	0	0	0
Natural Gasoline	0	—	0	1,953	458	—	0	0	0
Refinery Olefins	—	—	0	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	—	—	0	0	0	—	0	0	—
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components	0	3,917	0	230	0	981	0	0	0
Reformulated - RBOB	—	2,083	0	0	0	0	0	0	—
Conventional	0	1,834	0	230	0	981	0	0	0
CBOB	0	1,834	0	230	0	981	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	—	—	—	0	0	—	—	0	—
Renewable Fuels	0	513	0	0	0	14	0	0	0
Fuel Ethanol	0	185	0	0	0	14	0	0	0
Renewable Diesel Fuel ²	0	328	0	0	0	0	0	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	0	0	0	359	0	209	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	0	0	0	359	0	209	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	0	0	0	359	0	209	0	0	0
Finished Aviation Gasoline	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel	0	245	0	12	0	16	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	0	1,179	0	337	0	378	0	0	0
15 ppm sulfur and under	0	1,179	0	337	0	378	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	0	0	0	—	0	0	—
Greater than 500 ppm sulfur	—	—	0	—	0	—	0	0	—
Residual Fuel Oil	—	—	—	0	0	—	—	0	—
Petrochemical Feedstocks	—	—	0	0	0	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	0	0	0	—	0	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	—	—	—	0	0	—	—	0	—
Lubricants	—	—	0	0	0	—	0	0	—
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	0	0	254	22	137	9	28	0
Asphalt and Road Oil	0	167	0	145	138	248	0	0	34
Miscellaneous Products	—	—	—	0	0	—	—	0	—
Total	0	6,040	0	41,642	3,984	2,017	9	28	34

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, May 2021
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	133	36	163	48,394	7,353	126	19,949	0	-
Petroleum Products	16,211	0	9,000	34,919	12,163	64,364	23,600	0	5,341
Natural Gas Liquids	6,940	0	6,475	32,380	8,497	719	6,461	0	-
Ethane	4,863	0	0	13,818	2,039	0	596	0	-
Propane	1,196	0	4,817	10,419	3,415	719	501	0	-
Normal Butane	158	0	1,658	4,234	1,385	0	157	0	-
Isobutane	375	0	0	1,253	487	0	494	0	-
Natural Gasoline	348	0	0	2,656	1,171	0	4,713	0	-
Motor Gasoline Blending Components	6,235	0	686	1,609	2,118	39,070	7,856	0	3,917
Reformulated - RBOB	40	0	0	0	-	6,506	4,953	-	2,083
Conventional	6,195	0	686	1,609	2,118	32,564	2,903	0	1,834
CBOB	6,195	0	686	1,609	2,118	32,564	2,838	0	1,834
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	-	65	-	-
Renewable Fuels	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel ¹	-	-	-	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	83	0	928	0	97	582	1,506	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	83	0	928	0	97	582	1,506	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	83	0	928	0	97	582	1,506	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	247	0	135	50	521	7,377	1,151	0	245
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	2,706	0	776	880	930	16,616	6,626	0	1,179
15 ppm sulfur and under	2,706	0	776	880	930	16,209	6,522	0	1,179
Greater than 15 ppm to 500 ppm sulfur	0	0	0	0	-	1	104	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	406	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	16,344	36	9,163	83,313	19,516	64,490	43,549	0	5,341

See footnotes at end of table.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, May 2021
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	25,201	338	—	0	0
Petroleum Products	0	16,042	3,224	1,584	0	0
Natural Gas Liquids	0	15,104	3,224	—	0	0
Ethane	0	4,430	1,407	—	0	0
Propane	0	5,550	815	—	0	0
Normal Butane	0	2,245	303	—	0	0
Isobutane	0	926	241	—	0	0
Natural Gasoline	0	1,953	458	—	0	0
Motor Gasoline Blending Components	0	230	0	981	0	0
Reformulated - RBOB	0	0	0	0	0	—
Conventional	0	230	0	981	0	0
CBOB	0	230	0	981	0	0
GTAB	—	—	—	—	—	—
Other	—	0	0	—	0	—
Renewable Fuels	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Renewable Diesel Fuel ¹	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—
Finished Motor Gasoline	0	359	0	209	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	359	0	209	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	359	0	209	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	12	0	16	0	0
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	337	0	378	0	0
15 ppm sulfur and under	0	337	0	378	0	0
Greater than 15 ppm to 500 ppm sulfur	0	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	41,243	3,562	1,584	0	0

— = Not Applicable.

— = No Data Reported.

¹ Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, May 2021
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	101	133	-	208	1,401	-
Petroleum Products	135	10	0	960	2,389	0
Natural Gas Liquids	-	0	-	0	0	-
Ethane	-	-	-	-	-	-
Propane	-	0	-	0	0	-
Normal Butane	-	-	-	-	-	-
Isobutane	-	-	-	-	-	-
Natural Gasoline	-	-	-	-	-	-
Unfinished Oils	42	0	-	0	464	-
Motor Gasoline Blending Components	27	0	-	336	387	-
Reformulated - RBOB	-	-	-	-	-	-
Conventional	27	0	-	336	387	-
CBOB	27	0	-	336	69	-
GTAB	-	-	-	-	-	-
Other	0	0	-	-	318	-
Renewable Fuels	0	0	0	319	498	0
Fuel Ethanol	0	0	-	319	454	-
Renewable Diesel Fuel ¹	0	0	0	-	44	0
Other Renewable Fuels	-	-	-	-	-	-
Finished Motor Gasoline	0	0	-	52	174	-
Reformulated	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-
Conventional	0	0	-	52	174	-
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-
Conventional Other	0	0	-	52	174	-
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	0	0	-	0	0	-
Kerosene	-	-	-	-	-	-
Distillate Fuel Oil	66	0	-	201	23	-
15 ppm sulfur and under	66	0	-	201	23	-
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-
Greater than 500 ppm sulfur	-	-	-	-	-	-
Residual Fuel Oil	0	0	-	-	509	-
Less than 0.31 percent sulfur	-	-	-	-	-	-
0.31 to 1.00 percent sulfur	0	0	-	-	348	-
Greater than 1.00 percent sulfur	0	0	-	-	161	-
Petrochemical Feedstocks	0	0	-	0	204	-
Naphtha for Petrochemical Feedstock Use	0	0	-	0	204	-
Other Oils for Petrochemical Feedstock Use	-	-	-	-	-	-
Special Naphthas	0	0	-	-	0	-
Lubricants	0	10	-	0	9	-
Waxes	-	-	-	-	-	-
Marketable Petroleum Coke	-	-	-	-	-	-
Asphalt and Road Oil	0	0	-	52	121	-
Miscellaneous Products	0	0	-	-	0	-
Total	236	143	0	1,168	3,790	0

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, May 2021
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
Crude Oil	1,210	—	1,210	—	0	—	0	0	0
Petroleum Products	23,444	—	274	23,170	2,013	263	0	0	0
Natural Gas Liquids	30	—	—	30	—	—	0	—	0
Ethane	—	—	—	—	—	—	—	—	—
Propane	30	—	—	30	—	—	0	—	0
Normal Butane	—	—	—	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—	—	—	—
Unfinished Oils	0	—	—	—	623	—	0	0	0
Motor Gasoline Blending Components	14,450	—	—	14,450	518	—	0	0	0
Reformulated - RBOB	—	—	—	—	—	—	—	—	—
Conventional	14,450	—	—	14,450	518	—	0	0	0
CBOB	14,450	—	—	14,450	101	—	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	—	—	—	—	417	—	—	0	0
Renewable Fuels	349	—	—	349	0	263	0	0	0
Fuel Ethanol	349	—	—	349	0	—	0	0	0
Renewable Diesel Fuel ¹	—	—	—	—	0	263	—	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	1,335	—	—	1,335	160	—	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	1,335	—	—	1,335	160	—	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	1,335	—	—	1,335	160	—	0	0	0
Finished Aviation Gasoline	115	—	24	91	15	—	0	0	0
Kerosene-Type Jet Fuel	2,407	—	—	2,407	102	—	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	4,148	—	—	4,148	247	—	0	0	0
15 ppm sulfur and under	4,148	—	—	4,148	247	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Greater than 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Residual Fuel Oil	—	—	—	—	0	—	—	0	0
Less than 0.31 percent sulfur	—	—	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	—	—	—	—	0	—	—	0	0
Greater than 1.00 percent sulfur	—	—	—	—	0	—	—	0	0
Petrochemical Feedstocks	82	—	—	82	0	—	0	0	0
Naphtha for Petrochemical Feedstock Use	82	—	—	82	0	—	0	0	0
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	48	—	—	0	0
Lubricants	331	—	250	81	166	—	0	0	0
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	197	—	—	197	124	—	0	0	0
Miscellaneous Products	—	—	—	—	10	—	—	0	0
Total	24,654	—	1,484	23,170	2,013	263	0	0	0

— = No Data Reported.

¹ Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, May 2021
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	2,094	0	0	3,922
Propane	68	16	0	0	564	510	0	322
Propylene	0	0	–	–	287	566	–	–
Normal Butane	64	169	0	0	419	213	0	146
Isobutane	34	9	0	0	56	165	0	81
Fuel Ethanol	0	0	0	0	8,349	4,438	466	5,128
Biodiesel	32	0	0	6	92	303	10	359
Marketable Petroleum Coke	0	12	0	0	401	792	20	36
Asphalt and Road Oil	0	0	0	3	698	269	0	264

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	0	13	0	0	263	0
Propane	63	8	0	0	0	0	0	18
Propylene	0	0	–	–	0	0	0	–
Normal Butane	0	0	0	4	0	0	0	17
Isobutane	0	96	0	2	0	0	0	0
Fuel Ethanol	0	0	0	185	0	0	0	14
Biodiesel	0	0	0	65	0	0	0	0
Marketable Petroleum Coke	3	23	0	0	0	254	22	137
Asphalt and Road Oil	75	65	0	167	0	145	138	248

Commodity	From 5 to			
	1	2	3	4
Crude Oil	0	0	0	0
Propane	0	0	0	0
Propylene	0	0	0	–
Normal Butane	0	0	0	0
Isobutane	0	0	0	0
Fuel Ethanol	0	0	0	0
Biodiesel	0	0	0	0
Marketable Petroleum Coke	9	16	28	0
Asphalt and Road Oil	0	0	0	34

– = No Data Reported.
Source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, May 2021
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	133	101	0	234
3	36	133	0	169
4	0	—	0	0
5	—	—	0	0
From 2 to				
1	163	208	2,094	2,465
3	48,394	1,401	0	49,795
4	7,353	—	0	7,353
5	—	—	3,922	3,922
From 3 to				
1	126	1,210	0	1,336
2	19,949	0	0	19,949
4	0	—	0	0
5	—	—	13	13
From 4 to				
1	0	0	0	0
2	25,201	0	0	25,201
3	338	0	263	601
5	—	—	0	0
From 5 to				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	—	0	0

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail ¹ Between PAD Districts, May 2021
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	3,801	403	3,398	45,384	63,534	-18,150	50,565	21,298	29,267
Petroleum Products	108,783	16,769	92,014	58,806	84,384	-25,579	48,192	119,781	-71,589
Natural Gas Liquids	8,326	7,300	1,026	28,775	49,828	-21,053	36,686	7,383	29,303
Ethane	0	4,863	-4,863	9,889	15,857	-5,968	15,225	596	14,629
Propane	6,193	1,280	4,913	7,323	20,047	-12,724	11,760	1,321	10,439
Normal Butane	2,077	391	1,686	2,624	8,055	-5,431	4,919	161	4,758
Isobutane	56	418	-362	1,925	2,042	-117	1,668	592	1,076
Natural Gasoline	0	348	-348	7,014	3,827	3,187	3,114	4,713	-1,599
Refinery Olefins	287	0	287	0	853	-853	566	0	566
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	287	0	287	0	853	-853	566	0	566
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	0	42	-42	665	464	201	464	623	-159
Motor Gasoline Blending Components	54,542	6,262	48,280	14,866	5,136	9,730	1,996	65,811	-63,815
Reformulated - RBOB	6,506	40	6,466	4,993	0	4,993	0	13,542	-13,542
Conventional	48,036	6,222	41,814	9,873	5,136	4,737	1,996	52,269	-50,273
CBOB	48,036	6,222	41,814	9,391	4,818	4,573	1,678	51,787	-50,109
GTAB	0	0	-	-	-	-	-	-	-
Other	0	0	-	482	318	164	318	482	-164
Renewable Fuels	9,109	38	9,070	32	19,962	-19,930	5,239	862	4,377
Fuel Ethanol	9,017	0	9,017	0	19,155	-19,155	4,892	534	4,358
Renewable Diesel Fuel ²	92	38	53	32	808	-775	347	328	18
Other Renewable Fuels	-	-	-	0	0	-	0	0	-
Finished Motor Gasoline	2,897	83	2,814	2,108	1,251	857	174	3,583	-3,409
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	2,897	83	2,814	2,108	1,251	857	174	3,583	-3,409
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	2,897	83	2,814	2,108	1,251	857	174	3,583	-3,409
Finished Aviation Gasoline	115	0	115	15	0	15	0	130	-130
Kerosene-Type Jet Fuel	9,919	247	9,672	1,512	706	806	50	11,282	-11,232
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	21,741	2,772	18,969	9,982	2,810	7,172	903	28,816	-27,913
15 ppm sulfur and under	21,334	2,772	18,562	9,878	2,810	7,068	903	28,305	-27,402
Greater than 15 ppm to 500 ppm sulfur	1	0	1	104	0	104	0	105	-105
Greater than 500 ppm sulfur	406	0	406	0	0	-	0	406	-406
Residual Fuel Oil	0	0	-	0	509	-509	509	0	509
Petrochemical Feedstocks	82	0	82	0	204	-204	204	82	122
Naphtha for Petrochemical Feedstock Use	82	0	82	0	204	-204	204	82	122
Other Oils for Petrochemical Feedstock Use	-	-	-	0	0	-	0	0	-
Special Naphthas	0	0	-	48	0	48	0	48	-48
Lubricants	331	10	321	166	9	157	19	497	-478
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	413	12	401	292	1,249	-957	854	26	829
Asphalt and Road Oil	1,021	3	1,019	334	1,403	-1,069	527	627	-100
Miscellaneous Products	0	0	-	10	0	10	0	10	-10
Total	112,584	17,172	95,411	104,190	147,919	-43,729	98,756	141,078	-42,322

See footnotes at end of table.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail ¹ Between PAD Districts, May 2021
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	7,353	25,802	-18,449	3,934	0	3,934
Petroleum Products	12,693	21,842	-9,149	14,389	87	14,303
Natural Gas Liquids	8,497	18,363	-9,866	590	0	590
Ethane	2,039	5,837	-3,798	0	0	—
Propane	3,415	6,383	-2,968	340	0	340
Normal Butane	1,385	2,565	-1,180	167	0	167
Isobutane	487	1,167	-680	83	0	83
Natural Gasoline	1,171	2,411	-1,240	0	0	—
Refinery Olefins	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—
Propylene	0	0	—	0	0	—
Normal Butylene	0	0	—	0	0	—
Isobutylene	0	0	—	0	0	—
Unfinished Oils	0	0	—	0	0	—
Motor Gasoline Blending Components	2,118	1,211	907	4,898	0	4,898
Reformulated - RBOB	—	—	—	2,083	0	2,083
Conventional	2,118	1,211	907	2,815	0	2,815
CBOB	2,118	1,211	907	2,815	0	2,815
GTAB	—	—	—	—	—	—
Other	0	0	—	0	0	—
Renewable Fuels	476	14	463	6,020	0	6,020
Fuel Ethanol	466	14	452	5,327	0	5,327
Renewable Diesel Fuel ²	10	0	10	693	0	693
Other Renewable Fuels	0	0	—	0	0	—
Finished Motor Gasoline	97	568	-471	209	0	209
Reformulated	—	—	—	0	0	—
Reformulated Blended with Fuel Ethanol	—	—	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	97	568	-471	209	0	209
Conventional Blended with Fuel Ethanol	0	0	—	0	0	—
Ed55 and Lower	0	0	—	0	0	—
Greater than Ed55	0	0	—	0	0	—
Conventional Other	97	568	-471	209	0	209
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	521	28	493	261	0	261
Kerosene	0	0	—	0	0	—
Distillate Fuel Oil	930	715	215	1,557	0	1,557
15 ppm sulfur and under	930	715	215	1,557	0	1,557
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—
Greater than 500 ppm sulfur	0	0	—	0	0	—
Residual Fuel Oil	0	0	—	0	0	—
Petrochemical Feedstocks	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—
Special Naphthas	—	—	—	0	0	—
Lubricants	0	0	—	0	0	—
Waxes	0	0	—	0	0	—
Marketable Petroleum Coke	20	413	-393	173	53	121
Asphalt and Road Oil	34	530	-496	680	34	647
Miscellaneous Products	0	0	—	0	0	—
Total	20,046	47,644	-27,597	18,324	87	18,237

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

PAD District I

East Coast: The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian No. 1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

Sub-PAD District I

New England: The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Central Atlantic: The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

Lower Atlantic: The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

PAD District II

Indiana-Illinois-Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

Minnesota-Wisconsin-North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma-Kansas-Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana-Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

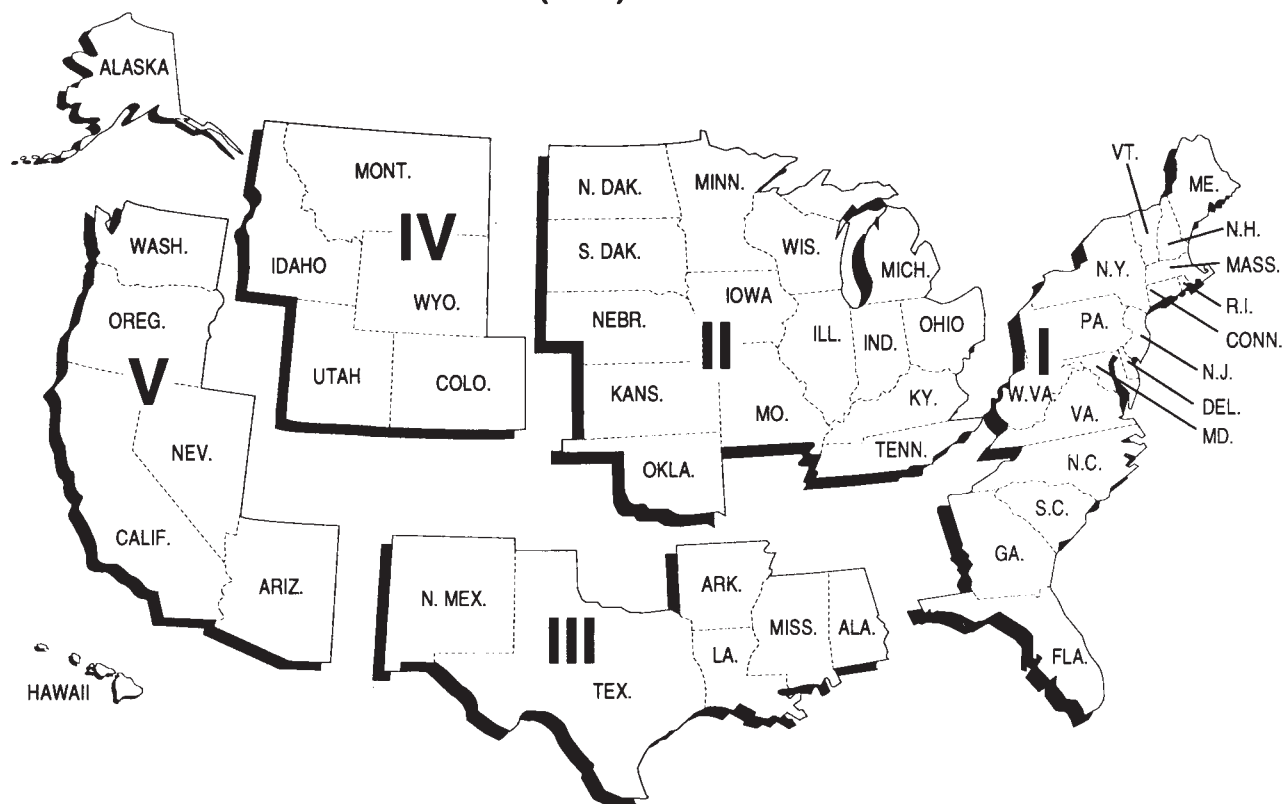
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

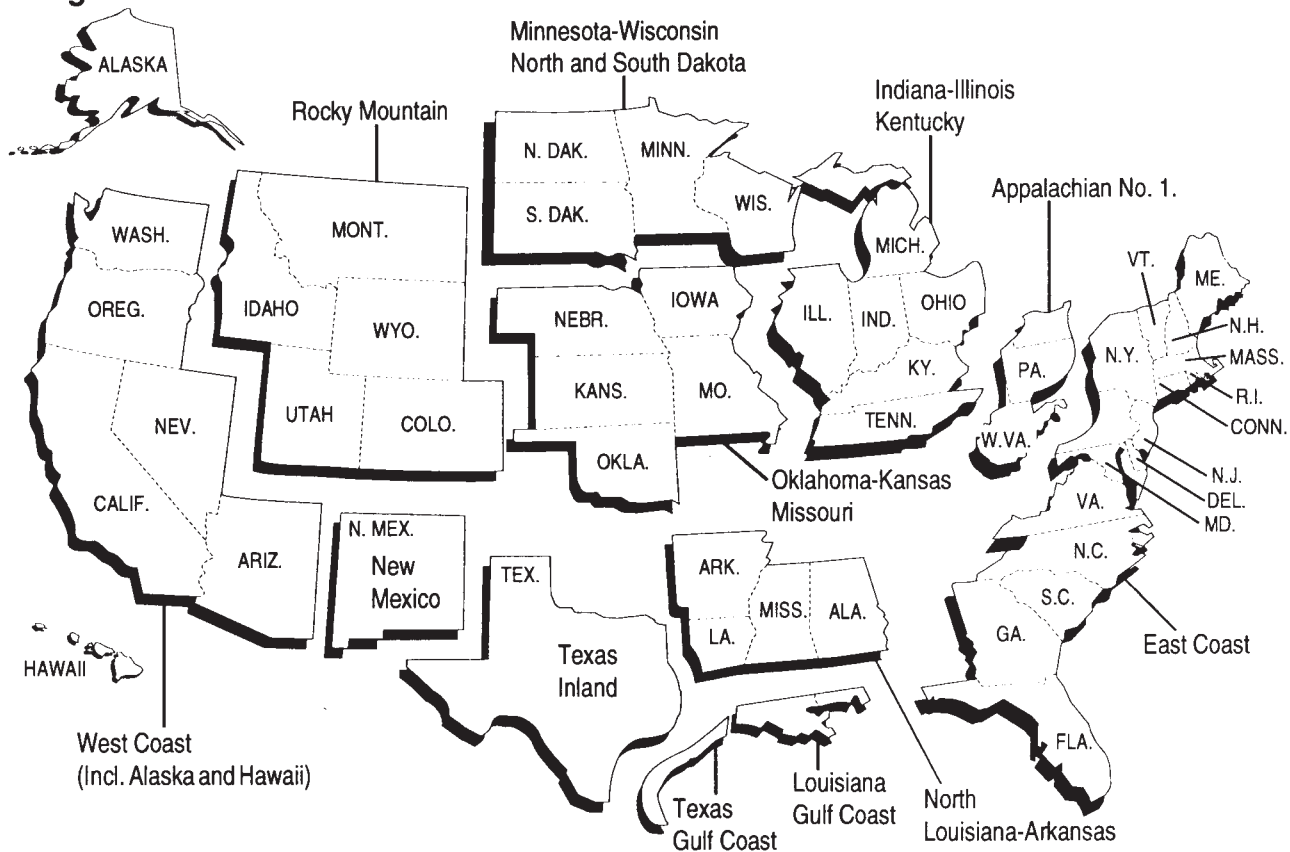
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Refining Districts



PSM Explanatory Notes

Preface

The *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are reports produced by the Monthly Petroleum Supply Reporting System (MPSRS) operated by the U.S. Energy Information Administration (EIA). The PSM and PSA track supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels. The reports are produced by the Office of Petroleum and Biofuel Statistics of the U.S. Energy Information Administration (EIA).

Data presented in the PSM and PSA describe supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels in the United States, and major U.S. geographic regions with selected data available at the state level. Data describe production, imports, exports, inter-Petroleum Administration for Defense District (PADD) movements, and inventories in the United States (50 States and the District of Columbia). The reporting universe includes operators engaged in primary supply activities including refining, motor gasoline blending, natural gas processing and fractionation, inter-PADD transportation, importers, and major inventory holders. When aggregated, data reported by operators in these sectors are used to derive consumption of petroleum products in the United States.

Monthly and year-to-date data are normally released in the PSM on the last business day of each month. Monthly data are available approximately 60 days after the end of each reference month. Revised monthly data and annual totals and averages are released in the PSA usually at the end of August each year.

Appendix B. Explanatory Notes

1. Overview

A. The Energy Information Administration's Quality Guidelines

Data contained in the *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are subject to information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve its systems in order to provide high quality information needed by public and private policymakers and decision makers. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM and PSA are used for calculation of petroleum demand measured as product supplied. Product supplied is often called “implied” demand because it is a measure of demand that is implied by disappearance of petroleum product barrels from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries, bulk storage and blending terminals, natural gas processing plants and fractionators, renewable fuels and oxygenate production plants, imports, exports, , and transportation by pipelines, tankers, barges, and railroads. Total product supplied at the U.S. level is equal to the sum of field production (including production of crude oil and natural gas liquids from natural gas processing plants), refinery and blender net production, renewable fuels and oxygenate plant net production, imports, and adjustments, minus the sum of stock change, refinery and blender net inputs, and exports. Net receipts are added to supply when product supplied is calculated for Petroleum Administration for Defense Districts (PADD). Crude oil product supplied is zero after September 1997 because crude oil is processed in refineries to produce fuels and other products rather than being used directly as fuel. Data include crude oil used directly as fuel between January 1981 and September 1997.

The secondary supply chain falls between primary supply and end-users. Product barrels typically flow in bulk quantities from primary supply into secondary supply before delivery to consumers. Fuels and other products held by consumers are considered to be in tertiary supply. Secondary supply facilities and activities include storage at bulk plants and retail outlets. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, as defined by EIA, receive product only by rail or truck, but not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, fuel and nonfuel products held by end users, and certain proprietary storage of raw materials such as propane held at chemical plants for use as ethylene feedstock.

There is a delay between the time when barrels are reported as demand measured as product supplied and when the same barrels are actually consumed. The delay is due to the time required for barrels to move from primary supply through secondary and tertiary supply chains and ultimately to end users where the barrels are actually consumed as fuel, feedstock, or for other purposes. Users of demand measured as product supplied should expect product supplied to either anticipate or lag timing of actual petroleum consumption.

C. Components of Supply and Disposition

The detailed statistics tables in the *PSM* provide complete supply and disposition information for the current month and year to date. The tables are organized to locate National and Petroleum Administration for Defense (PAD) District supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. To assist in the interpretation of these tables, the following discussion of supply, disposition, and ending stocks as shown in Tables 1– 25 is provided. The categories and products are defined in the EIA Glossary.

(1.) Supply

a. Field Production - Total Field Production is the sum of crude oil production and natural gas plant liquids and liquefied refinery gases production.

Crude oil production is an estimate based on data received from State conservation agencies, the Mineral Management Service of the U.S. Department of the Interior and Form EIA-914 “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report. Refer to “Domestic Crude Oil Production” in Section 2C (1) for further details.

Field production of natural gas plant liquids is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs).

b. Renewable Fuels and Oxygenate Plant Net Production – Renewable fuels production included fuel ethanol beginning with data for January 2009, biodiesel beginning with data for January 2011, and renewable hydrocarbon biofuels (diesel, heating oil, jet, naphtha, gasoline, and other) beginning with data for January 2021. EIA included production of fuel oxygenates (ethyl tertiary butyl ether (ETBE), methyl tertiary butyl ether (MTBE), and other fuel oxygenates) as a component of the petroleum balance from January 2009 until December 2018. This supply category also includes net production of non-biofuel products, including petroleum-derived gasoline, distillate fuel oil, jet fuel, and kerosene and natural gas liquids, blended with biofuels as denaturants or for other purposes at biofuel producing plants. Negative production indicates the amount of a product produced during the month was less than the amount of that same product reported as input during the same month.

c. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Forms EIA-810 and EIA- 815. Refinery and Blender Net Production equals refinery and blenders production minus refinery and blender inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

d. Imports - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories from foreign countries.

e. Net Receipts – Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 62.

f. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, biodiesel (included in “Renewable Fuels Except Fuel Ethanol”) and distillate fuel oil. EIA calculates adjustment quantities to balance supply and disposition for selected products or to reclassify one product to another product. EIA calculates product supplied as the balancing item for most products and a measure of implied demand for petroleum products. EIA uses adjustments as balance items in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, renewable fuels and oxygenate plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Unless otherwise noted in Section 2C, adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PAD District. EIA discontinued reporting adjustment quantities for non-fuel ethanol biofuels and distillate fuel oil beginning with data for January 2021.

(2.) Disposition

a. Stock Change – Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

b. Refinery and Blender Net Inputs – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, hydrocarbon gas liquids, hydrogen, renewable fuels, and other hydrocarbons) processed at refineries or blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Refinery and blender input of natural gas liquids equal gross input of natural gas liquids received from natural gas plants for blending and processing.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery and blender input minus refinery and blender production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

c. Exports - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.

d. Products Supplied - Products supplied is a calculated measure of demand equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, (plus net receipts when calculated by PADD), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied values indicate quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PADD basis, the figure for net receipts was inaccurate because the coverage of inter-PADD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported (e.g. unfinished oils received at refineries for processing from petrochemical plants).

EIA reported crude oil burned as fuel on leases and by pipelines as either distillate or residual fuel oil product supplied prior to January 1983. EIA reported crude oil product supplied equal to crude oil used directly as reported on Form EIA-813 "Monthly Crude Oil Report" from January 1983 through December 2009. EIA discontinued reporting crude oil used directly on Form EIA-813 after December 2009.

(3.) Ending Stocks

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks held by consumers. Product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported by EIA, but quantities held in selected government reserves are provided in Appendix D.

Primary stocks of crude oil included barrels held on crude oil producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in on eia.gov were revised beginning with data for January 2005 to exclude lease stocks. Data may be accessed from the following locations on the EIA web site.

http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbbbl_m_cur.htm

http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm

http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbbbl_m.htm

2. Components - Forms Discussions

The data presented in the *PSM* include data collected by the EIA on nine monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data collected on Form EIA-914 as well as production data from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

A. Petroleum Supply Reporting System

The nine monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and hydrocarbon gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the six weekly surveys. The MPSRS includes eight monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, "Weekly Refinery and Fractionator Report,"
2. EIA-802, "Weekly Product Pipeline Report,"
3. EIA-803, "Weekly Crude Oil Stocks Report,"
4. EIA-804, "Weekly Imports Report,"
5. EIA-805, "Weekly Bulk Terminal Report,"
6. EIA-809, "Weekly Oxygenate Report,"
7. EIA-22M, "Monthly Biodiesel Production Survey," (discontinued effective with data for October 2020)
8. EIA-810, "Monthly Refinery Report,"
9. EIA-812, "Monthly Product Pipeline Report,"
10. EIA-813, "Monthly Crude Oil Report,"
11. EIA-814, "Monthly Imports Report,"
12. EIA-815, "Monthly Bulk Terminal Report."
13. EIA-816, "Monthly Natural Gas Liquids Report"

14. EIA-817, “Monthly Tanker and Barge Movement Report”
15. EIA-819, “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene” (formerly “Monthly Oxygenate Report”)
16. EIA-820, “Annual Refinery Report.”

EIA administers weekly and monthly surveys at six key points along the petroleum and biofuel supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and plants producing biofuels and fuel oxygenates. EIA also collects inter-PADD movements by pipelines, tankers, and barges using monthly surveys. Weekly surveys do not capture petroleum movements. EIA selects a sample of operators reporting on monthly surveys to also report on weekly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA- 820, “Annual Refinery Report.” The EIA-820 data are published in the annual “Refinery Capacity Report.”

B. Monthly Supply Survey Description and Methodology

(1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at:
<https://www.eia.gov/survey/>

The Form EIA-22M “Monthly Biodiesel Production Survey” collects data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales. EIA discontinued Form EIA-22M effective with data for October 2020, and incorporated data previously collected on Form EIA-22M into Form EIA-819 “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene.”

The Form EIA-810, “Monthly Refinery Report,” collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on an annual basis.

The Form EIA-812, “Monthly Product Pipeline Report,” collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included.

The Form EIA-813, “Monthly Crude Oil Report,” collects data on end-of-month stock levels of crude oil held in pipelines, and at tank farms operated by the reporting company, and Alaskan crude oil in transit by water. Data are reported by PADD including stocks held in the 50 states and the District of Columbia. In addition to stocks, EIA uses Form EIA-813 to collect inter-PADD movements of crude oil by pipeline. EIA collects movements for shipping and receiving PADDs with no intermediate PADD movements. EIA uses Form EIA-813 to collect annual storage capacity in data for the month of March.

The Form EIA-814, “Monthly Imports Report,” collects data on imports of crude oil and petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil and unfinished oils only.

The Form EIA-815, “Monthly Bulk Terminal Report,” collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on an annual basis.

The Form EIA-816, “Monthly Natural Gas Liquids Report,” collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

The Form EIA-817, “Monthly Tanker and Barge Movement Report,” collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

The Form EIA-819, “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane and Isooctene” collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Beginning in October 2020 it also collects facility-level data on biodiesel and renewable hydrocarbon fuels production and blending and end-of-month stocks. Plant operators report end-of-month stocks on site on a custody basis regardless of ownership as well as stocks in transit by rail, truck, and water to their plants.

(2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of “Who Must Submit” participate in the survey.

The activities for frames maintenance are conducted on an ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M “Monthly Biodiesel Production Survey” include operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes. This survey was discontinued in October 2020 and replaced with EIA-819 “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene.

Respondents to Form EIA-810, “Monthly Refinery Report” include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, “Monthly Product Pipeline Report” include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, “Monthly Crude Oil Report” include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, “Monthly Imports Report” include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, “Monthly Bulk Terminal Report” include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included.

Respondents to Form EIA-816, “Monthly Natural Gas Liquids Report” include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, “Monthly Tanker and Barge Movement Report” include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company- owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between

PAD Districts are considered to have custody.

Respondents to Form EIA-819, “Monthly Report of Biofuels, Fuels from Non-Biogenic Wastes, Fuel Oxygenates, Isooctane, and Isooctene” include all operators of facilities that produce (manufacture or distill) fuel alcohol, biodiesel, renewable diesel, heating oil, jet fuel, naphtha, gasoline and other renewable fuels and feedstocks, isooctane, isooctane and fuel oxygenates other than fuel alcohol (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations located in the 50 States and the District of Columbia.)

(3.) Collection

Survey data for the MPSRS are collected by Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

(4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies result in further review of respondent data which in turn may result in additional flagged data and imputation.

(5.) Estimation and Imputation

The nine monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported data. Where possible, EIA uses imputed values to account for activity when a company fails to file. Depending on the survey, imputed values may be estimates based on weekly reports, estimates equal to prior-month reported quantities, or estimates based on non-survey data (e.g. imports quantities may be imputed using data provided to EIA by U.S. Customs and Border Protection). Imputation normally accounts for very small quantities in published totals because response rates to monthly surveys tend to be very high, typically exceeding 97 percent calculated as total reports received divided by total reports expected.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in the Petroleum Supply Annual (PSA).

(6.) Macro Editing

EIA compares data reported by individual companies and plants on monthly and weekly surveys. EIA uses these comparisons to identify cases where reporting companies responded differently to the same or similar questions on weekly and monthly surveys and then works with reporting companies to identify and address inconsistent or erroneous reporting on surveys. EIA also compares aggregate and other data with external sources in order to identify and correct potential errors in reporting or survey methodology. EIA makes additional comparisons of survey data with model results. EIA may use imputation to correct known and/or suspected errors in data reported in the Petroleum Supply Monthly and Petroleum Supply Annual.

(7.) Dissemination

In most cases, EIA releases PSM data within 60 days of the close of the reference month. The PSM is available on the web at:

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

Much of the PSM data are available in HTML format on eia.gov. Features include: downloadable spreadsheets containing complete data history, data tables which “pivot” to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum data can be accessed at: <http://www.eia.gov/petroleum/data.cfm>

C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of the statistics published in the PSM are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

(1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the PSM, are based on:

- (a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;
- (b.) crude oil production data reported on Form EIA-914, “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report.” For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA- 914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.
- (c.) first purchase data reported on Form EIA-182 “Domestic Crude Oil First Purchase Report.” For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.

State-level production estimates are published in Table 26, “Production of Crude Oil by PAD District and State.” Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly ([http:// www.eia.gov/petroleum/supply/monthly/](http://www.eia.gov/petroleum/supply/monthly/)) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum Supply Monthly roughly 60 days after the production month.

(2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a “Shipper’s Export Declaration Document” with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

(3.) Movements of crude oil and select products by railroad

The volume of crude oil, ethanol, biodiesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt moving by

railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the National Energy Board of Canada (NEB), data in EIA's Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-914 survey starting in January 2015, and an estimation procedure developed by EIA for months in which these data are not available.

Additional data from the NEB, OGSM, and the EIA-914 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt are converted to barrels using data from the CWS.

The most current monthly STB waybill sample may not be received with sufficient lead time to be processed and included in the PSM publication. Further, STB aggregates and provides waybills based on the accounting period, while EIA is interested in the waybill date, which can differ by several months from the accounting period. In addition, waybills from non-Class I railroads might only be included in the sample for the last month of a calendar quarter. As a result, EIA may estimate anywhere from one to three months of rail movements, relying on historical averages or near-month model estimates for those months to be published in the PSM for which incomplete or no STB data are available.

Estimates of rail movements are subject to revision on a monthly basis as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum data html tables are updated with final data for a year from the Petroleum Supply Annual. Petroleum Supply Monthly and Petroleum Supply Annual tables released as PDF files will not be revised.

(4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the "lease adjustment," a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the "lease adjustment" could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

(5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Plant Liquids (NGPL) Adjustment

The TAPS-NGPL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGPL injection into Alaskan crude oil transported in TAPS. Natural gas processing plants in Alaska produce substantial volumes of NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGPL adjustment subtracts Alaskan NGPL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGPL production is added to refinery receipts and inputs of NGPL. The adjusted NGPL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS- NGPL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane and natural gasoline also in PAD District 5.

NGPL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGPL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

(6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

Note on MTBE Adjustment: The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination

of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock (GTAB), “other” motor gasoline blending components, fuel ethanol, and MTBE. The quantity of GTAB and “other” motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each PAD District. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PAD District. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PAD Districts. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

- Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PAD District. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PAD District, then the total adjustment quantity of finished conventional motor gasoline in that PAD District would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.

- Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PAD District.

(7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and renewable fuels and oxygenate plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net

receipts. Motor gasoline blending components adjustments are calculated for reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

(8.) Renewable Fuels including Fuel Ethanol Adjustment

For data prior to January 2021, adjustment quantities for renewable fuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Calculation of adjustment quantities by PADD depend on the product. Individual products include fuel ethanol, biomass based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). Product supplied for renewable fuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” renewable fuels are discussed separately below. Beginning with data for January 2021, EIA discontinued calculating adjustment quantities for biomass based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). EIA now includes these adjustment quantities as product supplied.

- Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Adjustment quantities by PADD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.
- The product category called “renewable fuels except fuel ethanol” includes biomass-based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). For PSM data prior to January 2012, EIA calculated adjustment quantities for renewable fuels except fuel ethanol at the U.S. and PADD levels equal to the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Renewable Fuels except Fuel Ethanol was unavailable and was excluded from Renewable Fuels and Oxygenate Plant Net Production. Therefore the calculation of adjustments to Renewable Fuels except Fuel Ethanol caused production to be included in the adjustment. Similarly, the calculation caused net inter-PADD movements (i.e. net receipts) by rail and truck to also be included in adjustments to renewable fuels except fuel ethanol.

Beginning with PSM data for January 2012, and PSA data for 2011 through December, 2020 production of biodiesel reported on Form EIA-22M was included under the heading of “renewable fuels and oxygenate plant net production” in petroleum supply and disposition balances for “renewable fuels except fuel ethanol”. As a result, the adjustment for “renewable fuels except fuel ethanol” excludes production of biodiesel beginning with data for January 2012. Beginning with data for January 2010 EIA included rail movements of biodiesel in inter-PADD movements, and so rail movements were excluded from adjustment quantities.

- For data prior to January 2021, biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Adjustment quantities by PADD equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15 ppm sulfur and under) through distillate fuel oil adjustments. EIA discontinued calculating biodiesel and distillate fuel oil adjustment quantities beginning with data for January 2021. EIA now includes barrels of biodiesel formerly reported in adjustment quantities as product supplied of renewable fuels except fuel ethanol.

Beginning with PSM data for January 2021, EIA included production of renewable diesel, heating oil, jet fuel, naphtha, gasoline, and other renewable fuels and feedstocks reported on Form EIA-819 under the heading of “renewable fuels and oxygenate plant net production” in petroleum supply and disposition balances for “renewable fuels except fuel ethanol”. EIA now reports barrels formerly included in adjustment quantities as product supplied.

(9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010.

For PSM data from January 2012 and PSA data from January 2011 through December 2020, EIA calculated distillate fuel oil adjustments equal to the opposite of biodiesel adjustment quantities described above in section 8. EIA added biodiesel adjustment quantities to supply of distillate fuel oil (15 ppm sulfur and under) and total distillate fuel oil. EIA assumed that distillate fuel oil adjustment quantities reflected biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Beginning with data for January 2021, EIA discontinued calculating and reporting distillate fuel oil adjustment quantities.

(10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005.

(11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD District movements.

(12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

(13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol). Beginning with PSA data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.

3. Quality

A. General Discussion

(1.) Response Rates

The response rate is generally 98 to 100 percent. Average response rates for the monthly and weekly surveys are published in the annual PSM article “Accuracy of Petroleum Supply Data.” Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

(2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability

to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

(3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the *PSM* has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the *PSA*. These values reflect all *PSM* resubmissions and other data corrections. The values contained in the *PSA* are EIA's most accurate measure of petroleum supply activity.

(4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the previously published Petroleum Supply Annual every month in petroleum data tables ([http:// www.eia.gov/petroleum/supply/monthly/](http://www.eia.gov/petroleum/supply/monthly/)). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in petroleum data tables.

B. Data Assessment

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The *PSM* preliminary monthly data serve as leading indicators of the final monthly data published in the *PSA*. The *PSM* monthly data are not expected to have the same level of accuracy as the final monthly data published in the *PSA*. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the *PSM* are compared with the final monthly aggregates published in the *PSA*. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

4. Provisions Regarding Disclosure of Information

All PSRS survey forms, with the exception of the Form EIA-814, "Monthly Imports Report," have the same general disclosure information statement. The information reported on Form EIA-814 will be considered "public information" and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form. In addition, biofuel production capacity data reported on Form EIA-819 and Form EIA-22M will be released in company identifiable form. Refinery distillation capacity collected on Form EIA-810 also may be released in company identifiable form. EIA releases annual refinery input and production capacities in company identifiable form each year in the Annual Refinery Capacity Report.

Except as described above, information reported on Forms EIA-810 through 813, 815 through 817, 819, 820, and 22M will be protected and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the Department of Energy (DOE) regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data aggregated and published from these survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Northeast Home Heating Oil Reserve classified as ultra-low sulfur distillate (15 parts per million)

Terminal Operator	Location	Thousand Barrels
Buckeye Partners LP	Port Reading, NJ	300
Buckeye Partners LP	Groton, CT	300
Global Companies LLC	Revere, MA	201
Gulf Oil LP	Chelsea, MA	200

Source: U. S. Energy Information Administration

Northeast Regional Refined Petroleum Product Reserve motor gasoline products

Terminal Operator	Location	Thousand Barrels
Kinder Morgan Liq Terminals LLC	Carteret, NJ	0
Buckeye Terminals LLC	Port Reading, NJ	0
Buckeye Terminals LLC	Raritan Bay, NJ	700
Global Companies LLC	Revere, MA	200
South Portland Terminal LLC	South Portland, ME	99

Source: U. S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at <http://energy.gov/fe/services/petroleum-reserves/>

State of New York's Strategic Fuels Reserve Program

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Product	Location	Thousand Barrels
Motor Gasoline Blending Components	NY	83
Fuel Ethanol	NY	9
Distillate Fuel Oil, 15 ppm Sulfur and Under	NY	34

Source: New York State Energy Research & Development Authority

Definitions of Petroleum Products and Other Terms

(Revised June 2021)

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-OH}$ (e.g., methanol, ethanol, and tertiary butyl alcohol).

Alkylate. The product of an alkylation reaction. It usually refers to the high octane product from alkylation units. This alkylate is used in blending high octane gasoline.

Alkylation. A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

All Other Motor Gasoline Blending Components. See Motor Gasoline Blending Components.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{\text{sp. gr. @ } 60^\circ \text{ F}} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituent obtained by petroleum processing; used primarily for road construction. It includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. Note: The conversion factor for asphalt is 5.5 barrels per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Atmospheric Crude Oil Distillation. The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600 degrees Fahrenheit to 750 degrees Fahrenheit (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

Aviation Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in aviation reciprocating

engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL-G-5572. Note: Data on blending components are not counted in data on finished aviation gasoline.

Aviation Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, reformat, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as other hydrocarbons, hydrogen, and oxygenates.

Barrel. A unit of volume equal to 42 U.S. gallons.

Barrels Per Calendar Day. The amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation (see **Barrels per Stream Day**) to account for the following limitations that may delay, interrupt, or slow down production:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude and product slate conditions with no allowance for downtime.

Benzene (C_6H_6). An aromatic hydrocarbon present in small proportion in some crude oils and made commercially from petroleum by the catalytic reforming of naphthenes in petroleum naphtha. Also made from coal in the manufacture of coke. Used as a solvent, in manufacturing detergents, synthetic fibers, and petrochemicals and as a component of high-octane gasoline.

Biomass-Based Diesel Fuel. Biodiesel and other renewable diesel fuel or diesel fuel blending components derived from biomass, but excluding renewable diesel fuel coprocessed with petroleum

feedstocks.

Blending Components. See *Motor or Aviation Gasoline Blending Components*.

Blending Plant. A facility which has no refining capability but is either capable of producing finished motor gasoline through mechanical blending or blends oxygenates with motor gasoline.

Bonded Petroleum Imports. Petroleum imported and entered into Customs bonded storage. These imports are not included in the import statistics until they are: (1) withdrawn from storage free of duty for use as fuel for vessels and aircraft engaged in international trade; or (2) withdrawn from storage with duty paid for domestic use.

BTX. The acronym for the commercial petroleum aromatics benzene, toluene, and xylene. See individual categories for definitions.

Bulk Station. A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of less than 50,000 barrels and receives its petroleum products by tank car or truck.

Bulk Terminal. A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of 50,000 barrels or more and/or receives petroleum products by tanker, barge, or pipeline.

Butane (C_4H_{10}). A normally gaseous straight-chain or branch-chain hydrocarbon extracted from natural gas or refinery gas streams. It includes normal butane and refinery-grade butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Normal Butane (C_4H_{10}). A normally gaseous straight-chain hydrocarbon that is a colorless paraffinic gas which boils at a temperature of 31.1 degrees Fahrenheit and is extracted from natural gas or refinery gas streams.

Refinery-Grade Butane (C_4H_{10}). A refinery-produced stream that is composed predominantly of normal butane and/or isobutane and may also contain propane and/or natural gasoline. These streams may also contain significant levels of olefins and/or fluorides contamination.

Butylene (C_4H_8). An olefinic hydrocarbon recovered from refinery processes.

Captive Refinery Oxygenate Plants. Oxygenate production facilities located within or adjacent to a refinery complex.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

Fresh Feeds. Crude oil or petroleum distillates which are being fed to processing units for the first time.

Recycled Feeds. Feeds that are continuously fed back for additional processing.

Catalytic Hydrocracking. A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel, and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

Catalytic Hydrotreating. A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

Catalytic Reforming. A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

Low Pressure. A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

High Pressure. A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

Charge Capacity. The input (feed) capacity of the refinery processing facilities.

Coal. A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

Commercial Kerosene-Type Jet Fuel. See *Kerosene-Type Jet Fuel*.

Conventional Blendstock for Oxygenate Blending (CBOB). See *Motor Gasoline Blending Components*.

Conventional Gasoline. See *Motor Gasoline (Finished)*.

Crude Oil. A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include:

Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled

with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;

Small amounts of nonhydrocarbons produced from oil, such as sulfur and various metals;

Drip gases, and liquid hydrocarbons produced from tar sands, oil sands, gilsonite, and oil shale.

Liquids produced at natural gas processing plants are excluded. Crude oil is refined to produce a wide array of petroleum products, including heating oils; gasoline, diesel and jet fuels; lubricants; asphalt; ethane, propane, and butane; and many other products used for their energy or chemical content.

Crude oil is considered as either domestic or foreign, according to the following:

Domestic. Crude oil produced in the United States or from its Outer continental shelf as defined in 43 USC 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons (tar sands from Canada) are included.

Crude Oil, Refinery Receipts. Receipts of domestic and foreign crude oil at a refinery. Includes all crude oil in transit except crude oil in transit by pipeline. Foreign crude oil is reported as a receipt only after entry through customs. Crude oil of foreign origin held in bonded storage is excluded.

Crude Oil Losses. Represents the volume of crude oil reported by petroleum refineries as being lost in their operations. These losses are due to spills, contamination, fires, etc. as opposed to refinery processing losses.

Crude Oil Production. The volume of crude oil produced from oil reservoirs during given periods of time. The amount of such production for a given period is measured as volumes delivered from lease storage tanks (i.e., the point of custody transfer) to pipelines, trucks, or other media for transport to refineries or terminals with adjustments for (1) net differences between opening and closing lease inventories, and (2) basic sediment and water (BS&W).

Crude Oil Qualities. Refers to two properties of crude oil, the sulfur content and API gravity, which affect processing complexity and product characteristics.

Delayed Coking. A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

Desulfurization. The removal of sulfur, as from molten metals, petroleum oil, or flue gases. Petroleum desulfurization is a process that removes sulfur and its compounds from various streams during the refining process. Desulfurization processes include catalytic hydrotreating and other chemical/physical processes such

as adsorption. Desulfurization processes vary based on the type of stream treated (e.g., naphtha, distillate, heavy gas oil, etc.) and the amount of sulfur removed (e.g., sulfur reduction to 10 ppm). See **Catalytic Hydrotreating**.

Disposition. The components of petroleum disposition are stock change, crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

No. 1 Distillate. A light petroleum distillate that can be used as either a diesel fuel or a fuel oil.

No. 1 Diesel Fuel. A light distillate fuel oil that has a distillation temperature of 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles. See **No. 1 Distillate**.

No. 1 Fuel Oil. A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See **No. 1 Distillate**.

No. 2 Distillate. A petroleum distillate that can be used as either a diesel fuel or a fuel oil.

No. 2 Diesel Fuel. A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines that are generally operated under uniform speed and load conditions, such as those in railroad locomotives, trucks, and automobiles. See **No. 2 Distillate**.

Low Sulfur No. 2 Diesel Fuel. No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.

High Sulfur No. 2 Diesel Fuel. No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

No. 2 Fuel Oil (Heating Oil). A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in

atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

No. 4 Fuel. A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms to ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

No. 4 Diesel Fuel. See **No. 4 Fuel**.

No. 4 Fuel Oil. See **No. 4 Fuel**.

Electricity (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ending Stocks. Primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

ETBE (Ethyl tertiary butyl ether) (CH₃)₃COC₂H₅. An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

Ethane (C₂H₆). A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 127.48 degrees Fahrenheit. It is extracted from natural gas and refinery gas streams.

Ether. A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

Ethylene (C₂H₄). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes. Ethylene is used as a petrochemical feedstock for numerous chemical applications and the production of consumer goods.

Exports. Shipments of crude oil and petroleum products from the 50 States and the District of Columbia to foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, new supply of other hydrocarbons/oxygenates and motor gasoline blending components, and fuel ethanol blended into finished motor gasoline.

Flexicoking. A thermal cracking process which converts heavy

hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

Fluid Coking. A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

Fresh Feed Input. Represents input of material (crude oil, unfinished oils, natural gas liquids, other hydrocarbons and oxygenates or finished products) to processing units at a refinery that is being processed (input) into a particular unit for the first time.

Examples:

(1.) Unfinished oils coming out of a crude oil distillation unit which are input into a catalytic cracking unit are considered fresh feed to the catalytic cracking unit.

(2.) Unfinished oils coming out of a catalytic cracking unit being looped back into the same catalytic cracking unit to be reprocessed are not considered fresh feed.

Fuel Ethanol (C₂H₅OH). An anhydrous alcohol (ethanol with less than 1% water) intended for gasoline blending as described in Oxygenates definition.

Fuels Solvent Deasphalting. A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

Gas Oil. A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

Gasohol. A blend of finished motor gasoline containing alcohol (generally ethanol but sometimes methanol) at a concentration of 10 percent or less by volume. Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside carbon monoxide nonattainment areas are included in data on oxygenated gasoline. See **Oxygenates**.

Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Gasoline Treated as Blendstock (GTAB). See **Motor Gasoline Blending Components**.

Gross Input to Atmospheric Crude Oil Distillation Units. Total input to atmospheric crude oil distillation units. Includes all crude oil, lease condensate, natural gas plant liquids, unfinished oils, liquefied refinery gases, slop oils, and other liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

Heavy Gas Oil. Petroleum distillates with an approximate boiling

range from 651 degrees Fahrenheit to 1000 degrees Fahrenheit.

High-Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content greater than 500 ppm.

Hydrogen. The lightest of all gases, occurring chiefly in combination with oxygen in water; exists also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Idle Capacity. The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

Imports. Receipts of crude oil and petroleum products into the 50 States and the District of Columbia from foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

Isobutane (C_4H_{10}). A normally gaseous branch-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams.

Isobutylene (C_4H_8). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Isohexane (C_6H_{14}). A saturated branch-chain hydrocarbon. It is a colorless liquid that boils at a temperature of 156.2 degrees Fahrenheit.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane (C_4), an alkylation process feedstock, and normal pentane and hexane into isopentane (C_5) and isohexane (C_6), high-octane gasoline components.

Isopentane. See *Natural Gasoline and Isopentane*.

Kerosene. A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See *Kerosene-Type Jet Fuel*.

Kerosene-Type Jet Fuel. A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit and meeting ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military turbojet and turboprop aircraft engines.

Commercial. Kerosene-type jet fuel intended for use in commercial aircraft.

Military. Kerosene-type jet fuel intended for use in military aircraft.

Lease Condensate. A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities. See *Natural Gas Liquids*.

Light Gas Oils. Liquid Petroleum distillates heavier than naphtha, with an approximate boiling range from 401 degrees Fahrenheit to 650 degrees Fahrenheit.

Liquefied Petroleum Gases (LPG). A group of hydrocarbon-based gases derived from crude oil refining or natural gas fractionation. They include: ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. Excludes still gas.

Low-Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content greater than 15 ppm to 500 ppm. Low sulfur distillate fuel oil also includes product with sulfur content equal to or less than 15 ppm if the product is intended for pipeline shipment and the pipeline has a sulfur specification below 15 ppm.

Lubricants. Substances used to reduce friction between bearing surfaces or as process materials either incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

Merchant Oxygenate Plants. Oxygenate production facilities that are not associated with a petroleum refinery. Production from these facilities is sold under contract or on the spot market to refiners or other gasoline blenders.

Methanol (CH_3OH). A light, volatile alcohol intended for gasoline blending as described in Oxygenate definition.

Middle Distillates. A general classification of refined petroleum products that includes distillate fuel oil and kerosene.

Military Kerosene-Type Jet Fuel. See *Kerosene-Type Jet Fuel*.

Miscellaneous Products. Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils). Note:

Beginning with January 2004 data, naphtha-type jet fuel is included in Miscellaneous Products.

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as defined in ASTM Specification D 4814 or Federal Specification VV-G-1690C, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10 percent recovery point to 365 to 374 degrees Fahrenheit at the 90 percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline. Note: E85 is included only in volumetric data on finished motor gasoline production and other components of product supplied.

Conventional Gasoline. Finished motor gasoline not included in the oxygenated or reformulated gasoline categories. Note: This category excludes reformulated gasoline blendstock for oxygenate blending (RBOB) as well as other blendstock.

Ed 55 and Lower. Finished conventional motor gasoline blended with a maximum of 55 volume percent denatured fuel ethanol.

Greater than Ed55. Finished conventional motor gasoline blended with denatured fuel ethanol where the volume percent of denatured fuel ethanol exceeds 55%.

OPRG. "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area.

Oxygenated Gasoline (Including Gasohol). Oxygenated gasoline includes all finished motor gasoline, other than reformulated gasoline, having oxygen content of 2.0 percent or higher by weight. Gasohol containing a minimum 5.7 percent ethanol by volume is included in oxygenated gasoline. Oxygenated gasoline was reported as a separate product from January 1993 until December 2003 inclusive. Beginning with monthly data for January 2004, oxygenated gasoline is included in conventional gasoline. Historical data for oxygenated gasoline excluded Federal Oxygenated Program Reformulated Gasoline (OPRG). Historical oxygenated gasoline data also excluded other reformulated gasoline with a seasonal oxygen requirement regardless of season.

Reformulated Gasoline. Finished gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regulations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. It includes gasoline produced to meet or exceed emissions performance and benzene content standards of federal-program reformulated gasoline even though the gasoline

may not meet all of the composition requirements (e.g., oxygen content) of federal-program reformulated gasoline. Note: This category includes Oxygenated Fuels Program Reformulated Gasoline (OPRG). Reformulated gasoline excludes Reformulated Blendstock for Oxygenate Blending (RBOB) and Gasoline Treated as Blendstock (GTAB).

Reformulated (Blended with Alcohol). Reformulated gasoline blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content.

Reformulated (Blended with Ether). Reformulated gasoline blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content.

Reformulated (Non-Oxygenated). Reformulated gasoline without added ether or alcohol components.

Motor Gasoline Blending. Mechanical mixing of motor gasoline blending components, and oxygenates when required, to produce finished motor gasoline. Finished motor gasoline may be further mixed with other motor gasoline blending components or oxygenates, resulting in increased volumes of finished motor gasoline and/or changes in the formulation of finished motor gasoline (e.g., conventional motor gasoline mixed with MTBE to produce oxygenated motor gasoline).

Motor Gasoline Blending Components. Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. These components include reformulated gasoline blendstock for oxygenate blending (RBOB) but exclude oxygenates (alcohols, ethers), butane, and pentanes plus. Note: Oxygenates are reported as individual components and are included in the total for other hydrocarbons, hydrogens, and oxygenates.

Conventional Blendstock for Oxygenate Blending (CBOB). Conventional gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. CBOB must become conventional gasoline after blending with oxygenates. Motor gasoline blending components that require blending other than with oxygenates to become finished conventional gasoline are reported as All Other Motor Gasoline Blending Components. Excludes reformulated blendstock for oxygenate blending (RBOB).

Gasoline Treated as Blendstock (GTAB). Non-certified Foreign Refinery gasoline classified by an importer as blendstock to be either blended or reclassified with respect to reformulated or conventional gasoline. GTAB was classified on EIA surveys as either reformulated or conventional based on emissions performance and the intended end use in data through the end of December 2009. Designation of GTAB as reformulated or conventional was discontinued beginning with data for January 2010. GTAB was reported as a single product beginning with data for January 2010. GTAB data for January 2010 and later months is presented as conventional

motor gasoline blending components when reported as a subset of motor gasoline blending components.

Reformulated Blendstock for Oxygenate Blending (RBOB). Specially produced reformulated gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. Includes RBOB used to meet requirements of the Federal reformulated gasoline program and other blendstock intended for blending with oxygenates to produce finished gasoline that meets or exceeds emissions performance requirements of Federal reformulated gasoline (e.g., California RBOB and Arizona RBOB). Excludes conventional gasoline blendstocks for oxygenate blending (CBOB).

RBOB for Blending with Alcohol. Motor gasoline blending components intended to be blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

RBOB for Blending with Ether. Motor gasoline blending components intended to be blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

All Other Motor Gasoline Blending Components. Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. Includes receipts and inputs of Gasoline Treated as Blendstock (GTAB). Excludes conventional blendstock for oxygenate blending (CBOB), reformulated blendstock for oxygenate blending, oxygenates (e.g., fuel ethanol and methyl tertiary butyl ether), butane, and pentanes plus.

MTBE (Methyl tertiary butyl ether) $(CH_3)_3COCH_3$. An ether intended for gasoline blending as described in Oxygenate definition.

Naphtha. A generic term applied to a petroleum fraction with an approximate boiling range between 122 degrees Fahrenheit and 400 degrees Fahrenheit.

Naphtha Less Than 401° F. See *Petrochemical Feedstocks*.

Naphtha-Type Jet Fuel. A fuel in the heavy naphtha boiling range having an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL-T-5624L (Grade JP-4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other aviation fuels and meets engine requirements at high altitudes and speeds. Note: Beginning with January 2004 data, naphtha-type jet fuel is included in *Miscellaneous Products*.

Natural Gas. A gaseous mixture of hydrocarbon compounds, the primary one being **methane**.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Liquids. Those hydrocarbons in natural gas that are separated from the gas as liquids through the process of absorption, condensation, adsorption, or other methods in gas processing or cycling plants. Generally such liquids consist of propane and heavier hydrocarbons and are commonly referred to as lease condensate, natural gasoline, and liquefied petroleum gases. Natural gas liquids include natural gas plant liquids (primarily ethane, propane, butane, and isobutane; see *Natural Gas Plant Liquids*) and lease condensate (primarily pentanes produced from natural gas at lease separators and field facilities; see *Lease Condensate*).

Natural Gas Plant Liquids. Those hydrocarbons in natural gas that are separated as liquids at natural gas processing plants, fractionating and cycling plants, and, in some instances, field facilities. Lease condensate is excluded. Products obtained include ethane; liquefied petroleum gases (propane, butanes, propane-butane mixtures, ethane-propane mixtures); isopentane; and other small quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

Natural Gas Processing Plant. Facilities designed to recover natural gas liquids from a stream of natural gas that may or may not have passed through lease separators and/or field separation facilities. These facilities control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C_5H_{12}) , obtained by fractionation of natural gasoline or isomerization of normal pentane.

Net Receipts. The difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge.

Normal Butane. See *Butane*.

OPEC. The Organization of the Petroleum Exporting Countries (OPEC) was founded in Baghdad, Iraq, with the signing of an agreement in September 1960 by five countries namely Islamic Republic of Iran, Iraq, Kuwait, Saudi Arabia and Venezuela. They were to become the Founder Members of the Organization. These countries were later joined by Qatar (1961), Indonesia (1962), Libya (1962), the United Arab Emirates (1967), Algeria (1969), Nigeria (1971), Ecuador (1973), Gabon (1975), Angola (2007), Equatorial Guinea (2017) and Congo (2018). Ecuador suspended its membership in December 1992, rejoined OPEC in October 2007, but decided to withdraw its membership of OPEC effective 1 January 2020.

Indonesia suspended its membership in January 2009, reactivated it again in January 2016, but decided to suspend its membership once more at the 171st Meeting of the OPEC Conference on 30 November 2016. Gabon terminated its membership in January 1995. However, it rejoined the Organization in July 2016. Qatar terminated its membership on 1 January 2019.

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Operable Utilization Rate. Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operable refining capacity of the units.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Operating Utilization Rate. Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operating refining capacity of the units.

Other Hydrocarbons. Materials received by a refinery and consumed as raw materials. Includes coal tar derivatives and gilsonite. Included hydrogen in data prior to January 2009 and excluded hydrogen thereafter. Excludes natural gas used for fuel or hydrogen feedstock.

Other Oils Equal To or Greater Than 401° F. See *Petrochemical Feedstocks*.

Other Oxygenates. Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Oxygenated Gasoline. See *Motor Gasoline (Finished)*.

Oxygenates. Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Fuel Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

Fuel Ethanol. Blends of up to 10 percent by volume anhydrous ethanol (200 proof) (commonly referred to as the “gasohol waiver”).

Methanol. Blends of methanol and gasoline-grade tertiary butyl alcohol (GTBA) such that the total oxygen content does not exceed 3.5 percent by weight and the ratio of methanol to GTBA is less than or equal to 1. It is also specified that this blended fuel must meet ASTM volatility specifications (commonly referred to as the “ARCO” waiver).

Blends of up to 5.0 percent by volume methanol with a minimum of 2.5 percent by volume cosolvent alcohols having a carbon number of 4 or less (i.e., ethanol, propanol, butanol, and/or GTBA). The total oxygen must not exceed

3.7 percent by weight, and the blend must meet ASTM volatility specifications as well as phase separation and alcohol purity specifications (commonly referred to as the “DuPont” waiver).

MTBE (Methyl tertiary butyl ether). Blends up to 15.0 percent by volume MTBE which must meet the ASTM D4814 specifications. Blenders must take precautions that the blends are not used as base gasolines for other oxygenated blends (commonly referred to as the “Sun” waiver).

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

Persian Gulf. The countries that comprise the Persian Gulf are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

Petrochemical Feedstocks. Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are “Naphtha Less Than 401° F” and “Other Oils Equal To or Greater Than 401° F.”

Naphtha Less Than 401° F. A naphtha with a boiling range of less than 401 degrees Fahrenheit that is intended for use as a petrochemical feedstock.

Other Oils Equal To or Greater Than 401° F. Oils with a boiling range equal to or greater than 401 degrees Fahrenheit that are intended for use as a petrochemical feedstock.

Petroleum Administration for Defense (PAD) Districts. 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.

Petroleum Coke. A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

Catalyst Coke. In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

Marketable Coke. Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This “green” coke may be sold as is or further purified by calcining.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. 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.

Pipeline (Petroleum). Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Processing Gain. The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

Processing Loss. The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

Product Supplied, Crude Oil. Crude oil burned on leases and by pipelines as fuel.

Production Capacity. The maximum amount of product that can be produced from processing facilities.

Products Supplied. 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. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

Propane (C_3H_8). A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

Propylene (C_3H_6). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Propylene (C_3H_6) (nonfuel use). Propylene that is intended for use in nonfuel applications such as petrochemical manufacturing. Nonfuel use propylene includes chemical-grade propylene, polymer-grade propylene, and trace amounts of propane. Nonfuel use propylene also includes the propylene component of propane/propylene mixes where the propylene will be separated from the mix in a propane/propylene splitting process. Excluded is the propylene component of propane/propylene mixes where the propylene component of the mix is intended for sale into the fuel market.

Refinery. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

Refinery-Grade Butane. See *Butane*.

Refinery Input, Crude Oil. Total crude oil (domestic plus foreign) input to crude oil distillation units and other refinery processing units (cokers, etc.).

Refinery Input, Total. The raw materials and intermediate materials processed at refineries to produce finished petroleum products. They include crude oil, products of natural gas processing plants, unfinished oils, other hydrocarbons and oxygenates, motor gasoline and aviation gasoline blending components and finished petroleum products.

Refinery Production. Petroleum products produced at a refinery or blending plant. Published production of these products equals refinery production minus refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. Refinery production of unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input.

Refinery Yield. Represents the percent of finished product produced from input of crude oil, hydrogen, and other hydrocarbons, and net input of unfinished oils. Except for finished motor gasoline, finished aviation gasoline, and distillate fuel oil, EIA calculates refinery yield equal to net production of a finished petroleum product divided by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of finished motor gasoline, subtract input of natural gas liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components from net production of finished motor gasoline and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of finished aviation gasoline, subtract net input of aviation gasoline blending components from net production of finished aviation gasoline and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of distillate fuel oil, subtract input of renewable fuels except fuel ethanol (including input of biodiesel, renewable diesel fuel, and other renewable fuels) from distillate fuel oil net production and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. Prior to data for January 2009, EIA calculated refinery yields (except for finished motor gasoline) equal to finished product net production divided by the sum of input of crude oil and net input of unfinished oils. EIA calculated refinery yield of finished motor gasoline equal to net production of finished motor gasoline minus the sum of input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components divided by the sum of input of crude oil and net input of unfinished oils.

Reformulated Blendstock for Oxygenate Blending (RBOB). See *Motor Gasoline Blending Components*.

Reformulated Gasoline. See *Motor Gasoline (Finished)*.

Renewable Fuels (Other). Fuels and fuel blending components, except biomass-based diesel fuel, renewable diesel fuel, and fuel ethanol, produced from renewable biomass.

Residual Fuel Oil. A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Residuum. Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees Fahrenheit.

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Shell Storage Capacity. The design capacity of a petroleum storage tank which is always greater than or equal to working storage capacity. Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6 million BTU's per fuel oil equivalent barrel.

Stock Change. The difference between stocks at the beginning of the reporting period and stocks at the end of the reporting period. Note: A negative number indicates a decrease (i.e., a drawdown) in stocks and a positive number indicates an increase (i.e., a buildup) in stocks during the reporting period.

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Sulfur. A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No.

2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

Supply. The components of petroleum supply are field production, refinery production, imports, and net receipts when calculated on a PAD District basis.

TAME (Tertiary amyl methyl ether) $(CH_3)_2(C_2H_5)COCH_3$. An oxygenate blend stock formed by the catalytic etherification of isoamylene with methanol.

Tank Farm. An installation used by gathering and trunk pipeline companies, crude oil producers, and terminal operators (except refineries) to store crude oil.

Tanker and Barge. Vessels that transport crude oil or petroleum products. Data are reported for movements between PAD Districts; from a PAD District to the Panama Canal; or from the Panama Canal to a PAD District.

TBA (Tertiary butyl alcohol) $(CH_3)_3COH$. An alcohol primarily used as a chemical feedstock, a solvent or feedstock for isobutylene production for MTBE; produced as a co-product of propylene oxide production or by direct hydration of isobutylene.

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

Toluene $(C_6H_5CH_3)$. Colorless liquid of the aromatic group of petroleum hydrocarbons, made by the catalytic reforming of petroleum naphthas containing methyl cyclohexane. A high-octane gasoline-blending agent, solvent, and chemical intermediate, base for TNT.

Ultra-Low Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content of 15 ppm or lower. Ultra-low sulfur distillate fuel oil that will be shipped by pipeline must satisfy the sulfur specification of the shipping pipeline if the pipeline specification is below 15 ppm. Distillate fuel oil intended for pipeline shipment that fails to meet a pipeline sulfur specification that is below 15 ppm will be classified as low-sulfur distillate fuel oil.

Unaccounted for Crude Oil. Represents the arithmetic difference between the calculated supply and the calculated disposition of crude oil. The calculated supply is the sum of crude oil production plus imports minus changes in crude oil stocks. The calculated disposition of crude oil is the sum of crude oil input to refineries, crude oil exports, crude oil burned as fuel, and crude oil losses.

Unfinished Oils. All oils requiring further processing, except those requiring only mechanical blending. Unfinished oils are produced by partial refining of crude oil and include naphthas and lighter oils,

kerosene and light gas oils, heavy gas oils, and residuum.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding, those in plant condensate. This product is extracted from natural gas.

United States. The United States is defined as the 50 States and the District of Columbia.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal cracking process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

Wax. A solid or semi-solid material at 77 degrees Fahrenheit consisting of a mixture of hydrocarbons obtained or derived from petroleum fractions, or through a Fischer-Tropsch type process, in

which the straight-chained paraffin series predominates. This includes all marketable wax, whether crude or refined, with a congealing point (ASTM D 938) between 80 (or 85) and 240 degrees Fahrenheit and a maximum oil content (ASTM D 3235) of 50 weight percent.

Working Storage Capacity. The difference in volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

Xylene ($C_6H_4(CH_3)_2$). Colorless liquid of the aromatic group of hydrocarbons made the catalytic reforming of certain naphthenic petroleum fractions. Used as high-octane motor and aviation gasoline blending agents, solvents, chemical intermediates. Isomers are metaxylene, orthoxylene, paraxylene.